

# small change makes no cents STUDENTS TURN THUMBS DOWN TO CHANGES

"Whatever students in other departments have been doing, I have been studying mathematics, and that's what I want a degree in!" The fourth year pure math student who added this comment to last week's mathNEWS questionnaire certainly was not alone in expressing this sentiment as 82.4% of the over 100 respondents voiced opposition to the proposed name changes in our faculty and degrees. In fact, "opposed" was apparently not a strong enough word in the view of a number of students - as some obliterated the word and replaced it with "definitely opposed", "very opposed", "strongly opposed", "greatly opposed" and "violently opposed".

Apparently faculty members, who managed to pass the proposal through Faculty Council "without discussion or opposition", are somewhat surprised by the widespread student opposition to the changes. Then again what attempt was made to solicit student opinion? There is token student representation on Faculty Council - 5 student reps. It is interesting to note that at the time of the name change vote, three student reps were in attendance with 2 voting for the motion and the other opposing.

Before making a presentation to  
(cont'd on next page)

Here is a summary of the results:

| Year | Dept.   | For | Against | Don't Know |
|------|---------|-----|---------|------------|
| 1    | --      | 2   | 13      | 2          |
| 2    | --      | 5   | 30      | 1          |
| 3    | Applied | 0   | 2       |            |
|      | AA&CS   | 1   | 11      |            |
|      | C&O     | 4   | 0       |            |
|      | Pure    | 0   | 1       |            |
|      | Stats   | 1   | 4       |            |
|      | General | 0   | 1       |            |
|      | -----   | -   | --      |            |
|      | Total   | 6   | 19      |            |
| 4    | Applied | 0   | 1       |            |
|      | AA&CS   | 1   | 11      |            |
|      | C&O     | 0   | 3       |            |
|      | Pure    | 0   | 2       |            |
|      | Stats   | 0   | 2       |            |
|      | General | 0   | 1       |            |
|      | -----   | -   | --      |            |
|      | Total   | 1   | 20      |            |
|      | Grad    | 1   | 2       |            |
|      | Other   | 2   | 2       |            |
|      | -----   | --  | --      | -          |
|      | Total   | 17  | 86      | 3          |

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# math NEWS

## PHOTOS

mathNEWS, after considerable deliberation, has decided to break into the world of pictures. In just a short while (a week, two?, three?, who knows) mathNEWS will bring out its premier issue with pictures of high quality. For those of you who remember the last attempt to bring pictures to the pages of mathNEWS let me inform you that this time we will succeed. In order to facilitate this eventual change mathNEWS will be requiring a photographer, (any volunteers??)....

One item of note: mathNEWS will not have weekly pictorial columns, most of the pictures will be prepared well in advance of the issue that they will go into (it takes three times as long to get mathNEWS with pictures as without). As a result most pictorial items will be of special events...i.e. elections, special frosh issue, etc.

## ELECTIONS

Elections for next year's president of the Federation of Students will take place Wednesday and Thursday, February 13 and 14 between 9:30 a.m. and 4:30 p.m. On Monday February 11 the candidates (David Assman, Baron Loader, and Andrew Telegdi) will be in the third floor Math Lounge at 11:30. Come and get to know who you're voting for.

## ELSEWHEN

Fragments from mathNEWS, Thursday Feb. 8, 1973, one year ago this week. "...There shouldn't be any placement problems this term..."; "...rumour has it that there are some really fast terminals going into M&C 3167 & 3168..."; "...Mathies will no longer have to line up at their pubs and will be guaranteed entry..."; "...The result was again confusion on the Board's (of Governors) part...".

(cont'd from previous page)

senate, faculty members have been attempting to gain support for the proposals by approaching other faculties. Last Tuesday, January 29, at the Science Faculty Council session, Math professor H.F. Davis made a presentation requesting support from the Science Faculty. However, in the words of Dr. D.E. Irish, a science senate rep, "Science is still not happy with the change." It was the Science Faculty that was instrumental in defeating a similar motion made about a year ago. At the Tuesday meeting, a motion was proposed by the Science Faculty that they officially voice objection to the Math name changes. According to Dr. Irish he is sure this motion would have passed, but, in an attempt to give Math a fair chance, the motion was dropped. Instead the question is to be referred to a meeting of the Executive committees of the two faculties.

When, and if, the proposals come before senate, Dr. Irish foresees Science being the only opposition, with the remaining senators comprising a large uncommitted block.

Supposedly the opposition of the Science Faculty stems from the possible confusion that would arise from use of the word "Science" in "Mathematical Sciences." This view is shared by a number of Math students, "You can go to almost any university and get a science degree. I want a unique degree i.e. B.Math", remarked a third year AA&CS student. A second year student reiterated, "I came here because you had a Faculty of Math - not of Science!" And, added a third year Stats mathie "B.Math Sc. is too much like B.Sc. Sounds too pedantic."

Hence it seems that the only noticeable opposition to the Math Faculty's proposals comes from the students of this faculty, and, members of the Science Faculty. Obviously the outcome of any vote in senate will be with the large uncommitted block of senators. Who will sway these votes? Therein rests the final decision.

What action should students take? Since the Math Society is recognized as the official voice of students in this faculty, this is obviously the body for concerned students to approach. There are also 5 student reps on the Faculty council. If you care let them know how you feel. Their names can be found in MathSoc MC 3038.

All in all, the general feeling of the students seems to have been summarized by one fellow who commented:

"What do you think of these proposed changes?" - Not Much.

## CUSO

Canadian University Services Overseas: CUSO's technical recruiters will be on campus Thursday, February 14. Meetings are in SSC 348 at 3:30 p.m. All interested mathematicians are invited to attend. Additional meeting in Waterloo Public Library auditorium at 8:00 p.m.

## VE3UOW

The University of Waterloo Amateur Radio Club is currently attempting to expand its activities to serve the students of the University as a whole. For those interested in obtaining Amateur Radio licenses, or for those simply interested in learning more about Amateur Radio, we hope to offer code and theory classes in the near future. This is currently in the planning stage, so check your bulletin boards for further information.

Of greater importance is our "Phone-patching" service, which is open to all on campus. "Phone-patching" is a technique which only the "Ham" can offer. Basically it is a method of beating the high cost of long distance telephone calls by replacing the telephone link with short-wave radio. For example if a student here at Waterloo wants to talk to his mother in Vancouver, but if he is like most students and can't afford it, he would simply get in touch with the Amateur Radio Club who in turn would get in touch with a "Ham" in Vancouver. It is now simply a matter of connecting the telephone to the "radio" at each end to complete the system. This service is entirely free, however it is now rather inefficient due to poor facilities here at the University station. The club is hoping for financial assistance from the Federation of Students this March to replace antiquated equipment with newer and more reliable communications gear. Without improved operating facilities the club will never be able to offer a reliable communications system.

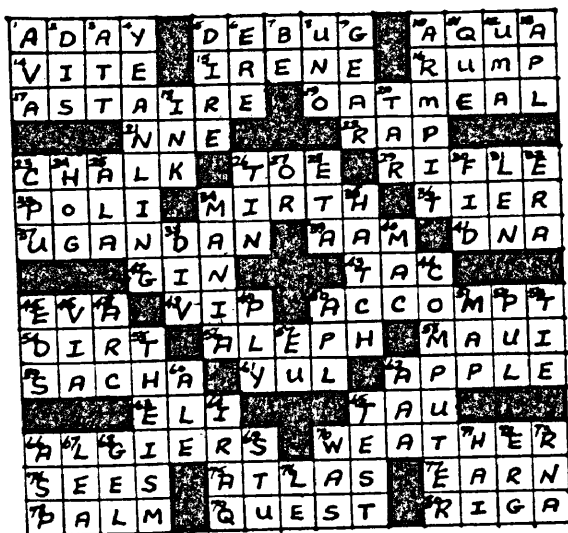
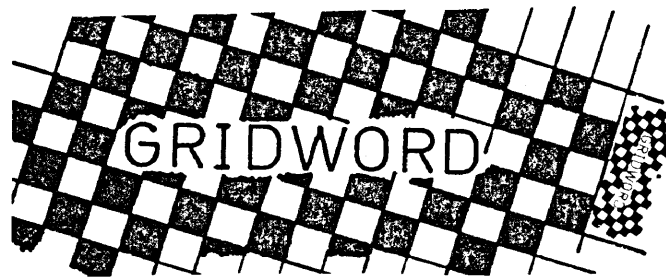
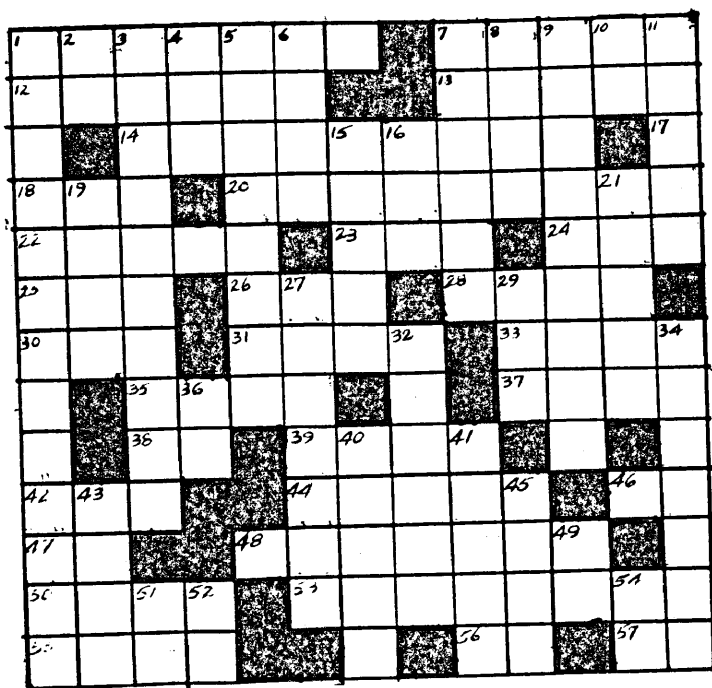
Further information may be obtained through any of the Societies supporting this effort. The Amateur Radio Club is located in Engineering 2, Rm 2355. Meetings are held every other Wednesday at 4:30 pm. New members and visitors are always welcome.

John Sluymmer VE3AKG, president  
U of W Amateur Radio Club VE3UOW

## OUR NEW SCIENCE BLDG?







Seems like a lot of people had trouble with last week's gridword. Only six solutions were turned in and four of them had mistakes. The correct solutions were submitted by Ty Faulds and Al Schincariol. The T-shirt winner is Al Schincariol (via the method: "Pick a hand"). Jim McDougall had only one letter wrong and the other three solutions all had more than one mistake.

This week's puzzle is courtesy of Terri Heale and Pam Aitken. We only give away one T-shirt so you two will have to find some way of splitting it.

## across

- 1/ this week's
- 7/ PM's new one
- 12/ mellow coward
- 13/ jail the commandant
- 14/ learning
- 17/ me, myself and \_\_\_\_\_
- 18/ German physicist (1787-1854)
- 20/ limits the work to find the limit
- 22/ many goose
- 23/ what a program never does the first time
- 24/ lambdas, rhos and \_\_\_\_\_
- 25/ past tense of 23-a
- 26/ little kid
- 28/ idols
- 30/ UW faculty
- 31/ rent a drip
- 33/ scene
- 35/ mimicked
- 37/ playthings
- 38/ Egyptian sun god
- 39/ charged particles
- 42/ slippery
- 44/ French slope
- 46/ an existing letter
- 47/ commanding officer
- 48/ deliverer of good last words
- 50/ Spanish height
- 53/ relating to meaning
- 55/ lions
- 56/ tu \_\_\_\_\_
- 57/ a direction

## down

- 1/ error
- 2/ not she
- 3/ easy my dear W.
- 4/ aged
- 5/ French wheel
- 6/ mangled masticate
- 7/ Swiss delight
- 8/ mucho
- 9/ 2 short functions
- 10/ sings background vocals in "You're Sixteen" (Init)
- 11/ \_\_\_\_\_ Before Dying
- 15/ major artery
- 16/ temporarily unemployed person
- 19/ listen
- 21/ voracious
- 27/ Theban who solved Sphinx's riddle
- 29/ grain
- 32/ kidnapper's fee
- 34/ scent
- 36/ not ma
- 40/ one who oils
- 41/ appearing in THE LAST CAELIC
- 43/ \_\_\_\_\_ Porter
- 45/ poetic evenings
- 49/ Red TANK
- 51/ not from
- 52/ since
- 54/ not out

The answer to 7-across is spelled incorrectly but it sounds the same as the proper answer. Deadline again this week is 3:30 on Tuesday. Drop your solutions into the mathNEWS mail box in Mathsoc office.

THIS  
 $\Sigma$   
 WEEK'S  
 THEOREM

Given: Triangle ABC, such that  $a > b$

Req'd: Prove that  $a^2 + b^2 > c^2$ , necessarily

Proof:

Since  $a > b$ ,

it follows that  $a \cdot \cos C > b \cdot \cos C$

But:

$$\begin{aligned} a &= b \cdot \cos C + \cos B \quad \therefore b \cos C = a - \cos B \\ b &= a \cdot \cos C + \cos A \quad \therefore a \cos C = b - \cos A \end{aligned}$$

$$\begin{aligned} \text{Hence: } b - \cos A &> a - \cos B \\ \therefore c \cos B - c \cos A &> a - b \end{aligned}$$

Multiply each side by  $2ab$ , and apply the cosine formula,  $a^2 = b^2 + c^2 - 2bc \cos A$ :

$$\begin{aligned} \therefore b(a^2 + c^2 - b^2) - a(b^2 + c^2 - a^2) &> 2ab(a - b) \\ \therefore a^3 - b^3 - a^2b + a^2b &> c^2(a - b) \\ \therefore (a - b)(a^2 + b^2) &> c^2(a - b) \\ \therefore a^2 + b^2 &> c^2 \end{aligned}$$

Division by  $a - b$  is valid, as  $a - b > 0$

- - - -

Now, consider the case with triangle, sides of length  $a = 4$ ,  $b = 3$ ,  $c = 6$ .

The triangle exists as  
 $b + c > a$ ,  $c + a > b$ ,  $a + b > c$

$$\text{But } a^2 + b^2 = 25 \text{ and } c^2 = 36$$

Therefore,  $25 > 36$

## Equal Time

After the recent criticism of the apparent oversaturation of Computer Science articles in mathNEWS, we toured the Math building looking for signs of these other departments.

Alas, all that could be found was some obscure labels with the names of these departments but no posters indicating the arrival of "Guess Who's Coming To Dinner" or seminars being given. However in the interests of observing local laws, all departments shall be given equal space (if they so desire.). To achieve this we welcome the occasional response from the Pure Math Club, the Stats Club, etc.

P.S. You have to come to us, we can't seem to find you.

## unCLASSIFIED

(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. Weekly deadline for submissions: TUESDAYS: 4:30pm.)

**REWARD: Cash!** - Lost, Tuesday afternoon, in the field between the University and Phillips Street: A red plaid pencil case; Contains monogrammed accounting pencil, monogrammed pen. If found, please contact CAL at 884-2961, or leave it in the MathSoc office.

**FOUND:** The bottom half of a clip board, in field between the University and Phillips St. If this is yours, you can claim it by phoning 884-2961.

**HAPPY BIRTHDAY:** John Dequette, from Liz, Barb, and Josephine S. Cool.

**PERSONAL:** To R.320. Seeing as our function was an overwhelming success, more events will be planned in the future. From B.C.C.C.

**THE BLACK BUBBLE COFFEE HOUSE:** Every Tuesday, 8:00 pm, Eng 4 lounge. Assorted teas and coffee, pastries and homemade cookies. LIVE entertainment, free admission.

**THE MATH GRAD PARTY:** Limited tickets available soon for only \$4.00 at MathSoc. Planned for March 16 at the Waterloo Motor Inn. Bar open at 6:00, Buffet at 7:00, Dancing at 9:00.

**NOTICE:** A free T-shirt will be awarded to the person submitting an original gridword which mathNEWS uses for publication. To submit your gridword, drop it in the mathNEWS file in MC3038 or use the campus mail (a free service) and mail it to mathNEWS, MC3038.

You know those swell hot soups and hot chocolate the coffee and donut (and kaiser and sub) stand has been selling? Well, for all you thirsty people who would like to stock up on some of these delicious snacks while studying for mid-terms or finals, we are offering a package deal - 25 cups for \$2.60.

There are the following kinds available:

- Hot chocolate
- French onion soup
- Chicken soup
- Kreem of chicken soup
- Beef soup
- Vegetable soup

Leave your orders with the people at the coffee and donut stand (please include phone number).

# math ETICS

## indoor soccer

The Math Exponents played another thrilling game of indoor soccer on Friday afternoon. With increased goal sizes over previous games, the determined Math team came very close to scoring their first goal of the season. Because of a disputed goal, the other team walked away with a narrow 5-0 victory. The first star of the game, and now tied for the point lead toward the Gaussian Cup was Steve Smith, our fearless goalie, who stood up to a great barrage of shots (Steve was 2nd star in our 2-0 loss last week, so, on a 10-5-0 point basis for the 3 stars, he has 15 points). Alison 'the animal' Reid, the Exponents strong defence-MS, was 2nd star, playing a brilliantly dirty game. Last week she was even dirtier, and was 1st star. She too has 15 pts. For the 2nd week in a row, the bench was the third star, and has 0 points in the race for the Gaussian Cup, well ahead of the rest of the team, who are down around -20. Don Krawecki, the Exponent's fan, is -25 for his snide remarks. Come and join Don on the sidelines this Friday at 3:30. Gain valuable points in the race for the Cup. Bring the family. (Seagram's Gym). Gerard, where are you?

## co-ed volleyball

Mathsoc's MATH C's maintained an unbeaten streak (that is, for the second week in a row we didn't beat our opponent once!) last Monday when we took to the court against ACE. Now there was a team worthy of our talents. They had good floor play, superior ball control, a reasonably good spiker, and (damn their luck!) three females. Matching this, we had ten players (do you believe that?? Ten people actually showed up!!), nine guys, one girl; Janice with a cold (but she still played her best match yet. After all, how easy do you think it is to volley, bump, or spike and blow your nose at the same time?!?); yours truly with a swollen thumb; and just general chaos.

Strangely enough, though, after the newcomers got over the shock of my somewhat volatile coaching techniques (that is, they just ignored me!) we played some of our best games yet. Unfortunately, this didn't prevent us from losing the match 10-15, 8-15, 11-15, 12-15. As you'll notice, this week we got stronger, as the night went on (if we'd only played another dozen or so games!)

Next Monday, Feb 11, at 9:30pm we play the DUMONT DUCKS. It's in the Seagram Gym, as usual and everybody is welcome.

Phil Lanouette

## hockey

The Regular Math hockey club (2-0) will be looking for a share of first place this Sunday when they host Sunnydale Sabres at the Moses Springs Ice Palace. Gametime is 12:00 midnight.

Sabres and Environmental Studies are both undefeated in League IV with the Studs on top with three straight wins.

In their most recent action, Reg. Math aopened up a 4-0 first period lead and then coasted to a 4-2 penalty-filled verdict over Upper Engineering II. In the second stanza, Reg. Math played shorthanded most of the time when their retaliation to the Engineering "wood-choppers" was detected by the officials.

Pat Fallon scored the first two goals for Math assisted on the second by Mike O'Neill. Murray Walker, on a penalty shot and John Gatway from Bob Milette accounted for the other scores.

| REG. MATH STATISTICS |    |    | FALL '73 |      |     |
|----------------------|----|----|----------|------|-----|
| SCORING              | GP | G  | A        | PT   | PIM |
| PAT FALLON           | 9  | 8  | 6        | 14   | 4   |
| DEAN MUCCI           | 7  | 7  | 4        | 11   | 2   |
| KEN CHUPA            | 9  | 7  | 4        | 11   | 0   |
| JIM BARTON           | 8  | 8  | 2        | 10   | 2   |
| TOM WILSON           | 8  | 4  | 6        | 10   | 8   |
| JOHN HOHMEIER        | 7  | 3  | 5        | 8    | 0   |
| PETE SELF            | 8  | 2  | 5        | 7    | 16  |
| RANDY MUSSELMAN      | 9  | 2  | 5        | 7    | 2   |
| JOHN MERKLINGER      | 9  | 1  | 6        | 7    | 0   |
| BRIAN NOWAK          | 9  | 5  | 1        | 6    | 4   |
| FRED VIVASH          | 8  | 3  | 2        | 5    | 2   |
| JOHN GATWAY          | 9  | 1  | 3        | 4    | 8   |
| BOB McLEAN           | 7  | 3  | 0        | 3    | 3   |
| GOALTENDING          | GP | GA | SO       | GAPG |     |
| BOB DENNY            | 8  | 12 | 2        | 1.50 |     |
| JOHN BURNSIDE        | 1  | 1  | 0        | 1.00 |     |

## broomball

Monday, February 5th, midnight saw the Math team pulling off a spectacular (?) win, defeating the Hot Dogs with a score of 1-0. George Chryzanowski attained his first shutout with exceptional goaltending. Randy Arsenault scored the goal for Math.

## basketball

Co-op Math I racked up its second straight win by defeating US by a 38-30 score. The math team's record stands at 2 wins and 1 loss.

## Waterpolo

St. Jerome's defaulted to the Math Seahorses tonight (they only got 3 people out - shades of last term -). Next game is on Tues Feb 12th. I don't know the time right now but you can find out on the bulletin board opposite the 3rd floor lounge.

## WANDERER

The Waterloo Wanderers in conjunction with the Grand River Conservation Authority are hosting a snow orienteering meet on Sunday February 17th. We are hoping to have orienteering by snowshoes and cross-country skis (weather permitting) as well as running the course.

Orienteering is not only an excellent competitive sport; but, you will find that it is good recreation and good exercise. You need not be a top athlete or a proficient map reader to run or complete the course. Any instruction you may feel you need, will be available along with compasses and snowshoes (sorry we cannot supply skis) at the race site.

There will also be a bonfire, so you can bring along your wienies and your 12 ounce pocket warmer.

Every one is welcome, so come out and be part of a snowshoe race; a cross-country ski race; or a foot race. It is being held at the Laurel Creek Conservation Area. Registration (entry fee of 50¢ to cover costs) is at 11:30 and the race starts at 12:30.

We know that, if you "try it, you'll like it!"

For further information contact:

Dayle Vraets MC 5144 884-4071  
Jim Young 885-0816



Items were infinitely more interesting this week. We received 14 rescripts (altho 7 were from rjb to "rumours and random data").

Two messages deserve special mention. One was a treatise on the terror of the Canadian wildlands, the "weremoose"! The other, somewhat less startling, was a vivid account of the heartbreak of coming in to do assignments on the 'bun and finding all the terminals in use for games...

to rfallen:

1) Finangle's first law: "The perversity of the universe tends to a maximum."

2) A chicken is just an egg's way of making another egg.

to fwslade: "Eng soc" is pronounced "plumsok" (emphasis on first syllable).  
to public (yep, that was the userid):

1) read up on the "x" command, then use it after doing last week's "try this".

2) "done" will get you out of

honeyapple.

to virginia: Yes, there is a Santa Claus. once more for posterity's sake

This week's "Try This":

SYSTEM? qed

QED

a !qed temp'; 'f w temp '; 'b0

I succeeded Phil Lanouette to the Campus Centre Board in a closely contended acclamation in October 1973. I didn't have a direct influence on Octoberfest however I did experience the hassles.

In the whole I thought Octoberfest was a good idea. I was not opposed to it being in the Great Hall, though it probably could've been more efficiently run. Also I didn't like the attitude of many turnkeys who would not work though the Federation paid their salaries.

During my term of 4 months I've tried to get more student input from the Math faculty. I instituted weekly reports to the Math Society and weekly columns in this paper. Also for a better perspective I attended many Federation council meetings. Input from students has increased from its dismal low.

I also instigated a forum in the Campus Centre to discuss the board unfortunately attendance was low. I participated on a committee to hire turnkeys. I know you or I may not agree with the politics of the people hired or the group they belong to, but I tried to leave my biases aside when hiring turnkeys.

As in order to ensure Board monetary powers I introduced the resolution limiting the coordinators spending powers to under \$300 without board approval.

We did increase the coordinators salary to \$90 a week however that was because her job became full instead of part-time. The chairman was given an honorarium for a years work. However the job had been hard and this honorarium was less than a previous honorarium for a six month period for a former chairman.

I know many of you were upset at the hiring of turnkeys so I supported the establishment of a committee to investigate hiring procedures. I also opposed the coordinators move to hire turnkeys indefinitely feeling that it was unfair and I feel the turnkeys should be reviewed any term.

As another move for better service and coordination with the university I tried to initiate afternoon office hours for the coordinator. This was turned down at the time but I feel that the hours will be implemented later.

After some consideration I withdrew from the contesting of a second term in favour of Cindy Harris. She has been a good Society President and should make a good Board member. I hope she continues the reporting techniques of mine and receives increased student input.



## csc report

### TO TAKE TRIP

The CSC will take a trip to the University of Western Ontario next Thursday, Feb. 14th. They will receive a talk and demonstration in each of "Pattern Recognition" and "Robotics", the two areas UWO is doing artificial intelligence research in. It is also likely that a tour of UWO's computer centre will be given. More details will be given next week.

The CSC trip will probably take place from the early morning until about 7 p.m. (meaning that they leave there at about 17:30). If you are interested in taking the trip, register with Jim Parry in MC3013A, or contact him via SYSTEM?MAIL JPARRY. Be sure to include your name, whether or not you are a member of the CSC, if you have a car (and if so how many people it will hold), and your TSS userid or phone number.

There will probably be a meeting next Tuesday to pass on all further details. SYSTEM?burp

### RUMOURS & RAW DATA

How about all those nice shiny new CRT terminals in the programming languages lab, which are seldom used. Wouldn't the undergrad students make good use of these terminals?

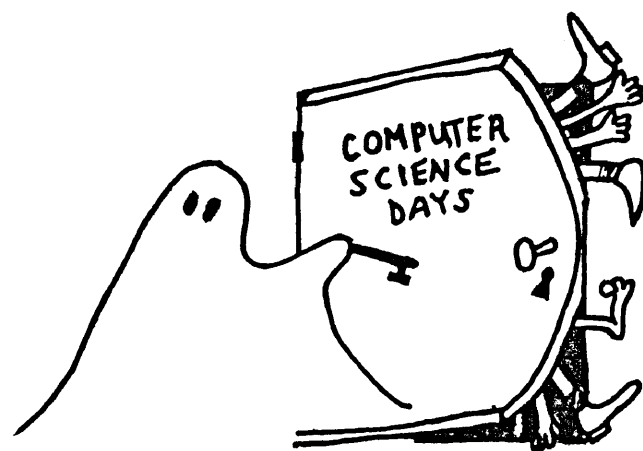
Note that on the CRAC committee decision to forgo immediate delivery of the 370/158 and consider 3 other brand "x" computers, that 3 members who were not present, from their past statements would have voted in favour, thus making it a 7-3 decision, not 4-3!!!

Stats now have their first graphics display terminal working on the Honeywell computer system. It's a TEKTRONIX 4013 display, capable of vector graphics, and running as an apl or ascii terminal. (Just imagine all those pretty pictures APL could produce!!!)

Since undergrad students now have representation on the computer usage committee, why not press officially for the services that students feel are important for their courses. This is an opportunity that should not be wasted.

There is a Math240b meeting this weekend to discuss the course as it was taught this past fall '73. Perhaps students should supply input to this meeting in the form of suggestions or comments to their profs from last term. Dr. Jim Linders is coordinating the meeting on Saturday.

What happens to Waterloo Honours grads who wish to enter graduate programmes in this University -- especially Math programs? Will computer science grads. have to all do thesis masters 'cause the undergrad courses cover material in grad courses??? Should our undergrads get exemption or credit for work already done in undergrad courses or via Co-op jobs???



### the phantom reports

Great news people! Computer Science days are here again....If you didn't know, then you weren't in on Saturday. This, of course, is about the only way you'd find out about it, for although they are scheduled well in advance, no one seems willing to warn the users....(there will be another one this weekend, naturally). None of this affected the running of the update though....it rolled along just as decrepidly as ever, supporting maybe six non-C.S. day users (and those none-too-well). However, at least this week functions which were locked during the update worked..while the update was running..not after, of course....

At least they seem to have fixed the APL operator's terminal....too bad they couldn't fix the operator too...At various times in the past week he has set the date to such interesting days as "October 30, 1974" (happy Hallowe'en) and "March 2, 1974"....He has also set the time of day to four in the morning at five in the afternoon...All this is very easy to correct, of course, it only involves taking the system down and re-initializing it....

Be it known too, that DEBUG is back in form....I have seen several nice out-the-door type line-ups (and there weren't even any assignments due).

Anyway, I'll cut it short this week.....

To the Weremoose: Yes, old fellow, there is a ghost-writer (somewhat fishy, but still extant)

To JMS: Good enough.....

To the UNNECESSARY and INSUFFICIENT GHOSTWRITER: '007'004'004'004

To HONEYAPPLE: #ABC

### TACTILE TEST

This week our resident medical advisor and dermatologist presents our own version of the tactile test! Run your fingers over the Braille dots below.

.....

In case you cannot "read" the word we have also inked in the dots.



# FEEDBACK

(Note: Letters appearing in this column represent the opinions of our readers. 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. Weekly deadline for submissions: TUESDAY 4:30pm.)

## science→math

mathNEWS:

It's good to see that the 'bun finally learned to spell mathNEWS! I don't know how long this message will be or what it will be about, so I might be truncated in the middle of a word.... Also I don't know if I am able to spell? Anyway I guess I should say something....

I would like to congratulate whoever it was for coming up with that very impressive sounding name.... "FACULTY of MATHEMATICAL SCIENCES", "BACHELOR of MATHEMATICAL SCIENCES" and so on... With a B. H. Sc. after my name as opposed to a mere B. Math. someday I'm sure prospective employers will be twice as impressed and eager to hire me.

Also, I have a dream (recurring nightmare?) of the day when the rest of the university will follow in our footsteps. Imagine.....

FACULTY of ENGINEERING SCIENCES,  
FACULTY of KINETICAL and LEISURE SCIENCES,

FACULTY of ARTISTIC SCIENCES.....

Of course the Faculty of Science will be a little put off with all of this, as they are now, so soon will appear.....

The FACULTY of SCIENTIFIC SCIENCES!!!

(I wonder if MATHS reaction to this would be "The Faculty of Scientific Mathematical Sciences"?)

Seriously, though I think I could do without the impressive-long-name status of "Mathematical Sciences" and settle for "MATHEMATICS".

Mathematical Sciences (it really is a pain having to type "mathematical Sciences" all the time...) implies, to me anyway, that MATH is to be classified along with the (other) sciences such as Chemical Sciences, Physical Sciences and so on. In other words MATH is a subset of Science. I don't think so. In no way do I take any science courses in this building. In fact, what is mistakenly referred to as "Computer Science" should really be named "Computer MATH". Computer Science implies wires, resistors, hardware etc. I study algorithms, logic, software, storage, optimization etc. in Computer MATH.

Furthermore concerning this question of MATH being a part of Science.... I would prefer to think of Science as being MATH applied to the real world. Or MATH>Science. I think most people realize that Science couldn't exist without MATH,

however, MATH doesn't depend on Science....

I would like to see the student opinion taken into account on this issue. Everyone that I have spoken to seems to prefer plain ordinary everyday MATHEMATICS.

Anyway I came to this university to get a degree in MATHEMATICS, and I'm going to get one.

The views presented here are those of Richard Devitt 2B, and do not necessarily represent those of this terminable or the H-6050. P.S. For the status seekers: doesn't Mathematical Sciences sound like something that is taught at a community college?

## name game

mathNEWS:

I believe that the students definitely should be consulted. I further believe that if indeed this name change should go through, the students who enrolled in this faculty prior to the name change approval by the university should be given the choice of which degree they prefer.

My opposition to the name change is that while the name change does fit the current scope of this faculty better, it contains the danger that we might in the future diverge too much from the study of Mathematics and tend too much towards achieving technical skills.

Godfrey Lee  
Math 4B(AA&CS)

## lit. crit.

mathNEWS:

Although in past issues, I was often critical of the material printed by mathNEWS and undoubtedly, I will continue to be so in the future, I think mathNEWS should be commended on their recent endeavour into the realm of academic (and especially Math Faculty) politics.

In former issues, mathNEWS has tried to vary its topics -- from garbage to inside jokes to computer jokes to stale jokes -- culminating in a sad sense of humour. Although, someone once tried to convince me that the readership of mathNEWS exceeded that of any other campus newspaper, I was highly sceptical of such nonsense. mathNEWS has seldom sought to express the opinions of the math student, nor has it often tried to keep its readers informed on any relevant or pertinent topics. It has merely blundered through each issue -- its format always remaining the same.

But, this is all understandable -- mathNEWS' purpose is not to provide much more than a little bit of entertainment in Friday's classes (i.e. the alternative to listening to the lecture -- the crossword puzzle).

But alas, through fate or destiny, it has struck upon something that might be very deep in the hearts of its readers. Being typical of the "media", mathNEWS now seeks to defend the rights of the student body and make its voice heard.

The Math Faculty has proposed changing its name to the Faculty of Mathematical  
(cont'd on next page)

(cont'd from previous page)  
Sciences. This move was proposed and supported by members of the Faculty Council and as was reported by mathNEWS, nobody even thought to enquire about the students' opinion.

When asked whether such a change would actually occur, a chairman of one of the departments in the Math Faculty replied, "It's quite likely."

Speaking on behalf of myself only, but possibly reflecting a number of persons' views, I would like to say that I hope the proposal is defeated somewhere along the way or that enough pressure is applied so that it's dropped completely. Although this proposed change in name, might not result in any other changes that could influence myself, I feel that the idea is completely out of order and I'm certain that the Math Faculty Council can find other areas in which to waste their time.

Enter mathNEWS: mathNEWS could now play an influential role in the decision. Since it has decided to conduct an opinion poll on the topic, the necessary response could prove to be a deciding factor in this matter. Hopefully, this will become one of mathNEWS's more successful attempts at anything worthwhile.

Matthew Masternak

## defender of the faith

mathNEWS:

This letter concerns the recent sequence of criticisms of mathNEWS' computer-oriented content.

A couple of weeks ago someone commented that mathNEWS is filled with material of interest only to computer science students. The reply to this is obvious: most of the people on the staff are in computer science, and they write about what they know best. If you want different material included, by all means write it. I'm sure the paper would be glad to include it. This campus is too full of people who are all too willing to bitch, but not willing to do any work to remedy the situation.

But even with this in mind, it is difficult to find any excuse for such an exercise in opaqueness as the phantom's column. Aside from the fact that I don't recall him ever having said anything complimentary or constructive, obscure comments to unknown third parties have no place in a general

interest paper. "FULLDUPLEX" is at least readable and understandable; 'Ludwig' doesn't misuse his column to build himself up by cutting other people down.

Dave Lamb

4th year math(aa&cs)

## knocks b. of e.

mathNEWS:

As everyone knows, last weekend was Math weekend and this is the time where Mathies are supposed to participate in the different tournaments and go over to the pub and rock on. Well I did make it to the pub on Thursday night but I wasn't too impressed. I saw a handful of incompetent people trying to run a pub. I was very disappointed by their conduct.

My friend and I arrived at the pub at about 9:00 pm. I paid my quarter and went over to a nearby table to talk to some friends, forgetting that I had to sign my friend in since he wasn't a student. About a minute later one of the persons working at the door said in a rather disgusted tone "Wally, do you want to sign this idiot in?" I believe that this is a rather crude way to talk to someone who is wholly undeserving of this title. I don't think that everone who enters the pub is greeted in this manner so I believe that an apology would be appropriate.

We went into the pub area and sat at a table near the door. A little later we noticed one of the workers at the door physically "throwing out" two girls who wanted to come in. Now for people who were begging for girls to come to their pubs during the summer this is an unsightly and unwarranted event. Many of my friends couldn't believe what was happening.

If these are common occurrences at all of the pubs in the campus centre I think something should be done about it. The workers at the door should stop playing God and start treating people who come to the pubs as customers. The people in charge of the hiring (of) workers for the pub should start looking for personable people who know how to handle these situations that arise. The attitude now seems to be - "We're doing you a favour so play by our rules or fuck off." How B.E. - where's your head at?

Wally Romansky  
Math 2

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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. The views and opinions expressed herein are those of the mathNEWS staff and are made independently of both the university administration and the math society. mathNEWS welcomes your contributions, suggestions, criticisms, advertisements (published free of charge), feedback, etc. Contact us via room 3038. We put the whole thing together on Tuesday nights in MC 3011; feel free to drop in. Weekly deadline for submissions: TUESDAYS 4:30pm. Circulation this issue: 1500.

This week we have been plagued by Maggots (that's not my name!) and a pink Phantom. As the horizon sinks slowly into the rising sun, at 5:00 a.m. we find Ludwig doing his finite automata assignment, Russell reading a book, several others arguing about Headlines, Ishmael, etc., and one doing the work. Thanks this week to Jim Parry, Janice Halligan, Pat Fallon, rib, Peter C. Chynoweth, and J.J. Long. At one time or another, tonight we were: Pete Raynham, the unruly (as usual) phantom, Bob White, Mark Saal-tink, Ludwig, Mark Shields, Ian MacRae, Dave Lamb, Randall McDougall, Tom Duff, Jim Webb, Dave Brown, rfallen, Phil Lanouette, Elger, Norm MacDonald, Dave Newell, and John Peebles. Next mathNEWS night: Tues. Feb. 12, 7 pm, MC 3010+2. Good Night Zelda.