faculty council:

RUSSIAN

The regular meeting of the Faculty of Mathematics Council was held on Tuesday, February 18, 1975 at 3:30 p.m. in MC 5158.

The minutes of the meeting held on Tuesday, January 21, 1975 were approved. Business arising from those minutes was discussed:

(i)English usage: The topic was introduced by C. F. A. Beaumont, and a fairly lengthy discussion ensued. One prof felt that logical explanations on math assignments should be marked for proper English. Another felt that foreign students would have problems, and that English should be "understandable", not necessarily "proper". There are actually two issues: (a)math language and (b)non-math language. Both are important. The first must necessarily be more precise than the second. It was also suggested that professors use proper English in their classes instead of point form. etc.

There were two ideas that resulted: (1)an optional essay worth up to 10% of the final mark and (2)a policy statement should be issued every year. The first was voted down, and four

members were asked to draft a statement by the next meeting.

(ii)Building access at night: This was tabled until the next meeting. Prof. Beaumont commented that since the building is open until 12:00 p.m., those who want to work all night can come in before then.

Peter Lee was supposed to do a presentation on the Anticalendar, but was not present (he walked in late), so J. J. Long, one of the MathSoc reps present, commented that as far as he knew, the object of the discussion was closer liaison with the faculty.

Next came "Overhead Projectors: Considerable inconvenience has been caused by people who move overhead projectors from one room to another and then forget to return them. It has been suggested that Faculty Council discuss the possibility of assuming responsibility for audio-visual equipment at the Faculty or Departmental level. Perhaps overhead projectors should be supplied in every classroom." (from agenda) Again, a fair bit of discussion ensued, with the conclusion that people should go through audio-visual to obtain equipment, and then the problem would be avoided.

mathNEWS

cold & silent:

ANTI-CAL

This intrepid mathNEWS reporter got to the anti-cal meeting in MC2066 (Feb 20) early to find a cold (what ever happened to central heating?) and silent room. Around 3:30 things started to liven up and by twenty to four we had a full room consisting of Dean Forbes, Dr Sprott (head of Stats Dept), Peter Lee, Howard LeBlanc, Janet Martin, Andy Haycock and Dennis Mullin.

Discussion covered a wide range of topics going from design of the book to how to arrange when to have a class surveyed to changing the questionnaire.

It was decided to divide things into two areas of attack, with separate meetings to 1) decide how to analyse the data for this year and 2) design a new questionnaire.

Some areas which are being looked into are: 1) the fact that the Dean of Engineering has, for two years in the past, hired a student in the summer to process and analyse anti-cal information for the engineers. This could be done for mathies.
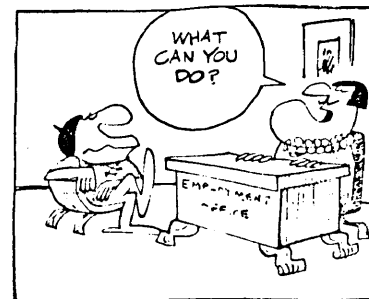2) a student might get a course credit for doing this work.
3) a stats class could design a questionnaire as a project.

The meeting broke up after an hour with several people staying afterwards to discuss questionnaire design.

If you are interested in helping out or want to make suggestions talk to Peter Lee or Janet Martin OR send your ideas to mathNEWS (we'll pass them along to the right hands).

ELECTION

TIME

On Monday, March 3 at 9:30 a.m. nominations open for the positions of:

    President
    Vice-President
    2nd year regular rep.
    2nd year co-op "A" stream rep.
    3rd year regular rep.
    4th year regular rep.
    4th year co-op "B" stream rep.

Nominations close on Wed., March 12 at 4:30 p.m. Elections will be held Wed., March 19 from 9-5. Nominations forms are available at the mathSoc office MC 3038.

1

Reports followed: (a)Curriculum Committee: Two joint honours programmes were approved: "Honours Mathematics and Russian" and "Honours Mathematics and German".

(b)Executive Committee: A motion was passed "that to reduce the flow of paper announcing various seminars and colloquia, a Faculty Newsletter be distributed weekly, for distribution Monday morning, to include advance notice of events the following week as well" after discussion.

Dean Forbes started his reports. At this time, Peter Lee arrived. He thought the meeting started at 4:30, not 3:30. The Dean gave him the floor and P. Lee covered a fairly large area on Antical. He asked the Faculty for active participation; gave a history of Antical; explained the concept of Antical as a critique; named the alternative that students should be able to praise as well as criticize profs; there should be a two-way link through which professors can tell students and vice versa about how they feel; the critique should be changed to a survey; profs should also be able to make a comment; there is a problem with student apathy. He made the appeal to faculty to help him (1)in designing a section especially for profs (2)in changing the questionnaire and (3) helping in the handout of questionnaires by sending a student to the MathSoc office to pickup questionnaires, have them filled out, then return them.

The last suggestion was given a fair amount of support.

Dean Forbes briefly raised four points: (1)There is a new policy for tenure. The members of the Tenure Committee should be selected in a manner determined by the Faculty Council. A motion was made and carried to ratify the present members for one year.

(2)Math convocation will be Friday, May 23 in the morning.

(3)Faculty members should consider persons qualified to be nominated for honourary degrees.

(4)Faculty were invited to the 4B Co-op 'get-together' at the Faculty Club at 8:30 on the 19th.

The meeting was adjourned at 4:40.

Village Ablaze

A few weeks ago Village 1 council conducted a smoking survey. They received a response of about 30%. (Better than math's turnout for the last election).

The results were:

1) Set aside a non-smoking area in the cafeterias?
    Yes 202   No 152

2) Would you sit in such an area?
    Yes 186   No 142   Don't care 26

PRE - REGISTRATION

All Regular and Co-op math students who have hopes of continuing their studies in the Fall of 1975 should pre-register during the week of March 10 to 14, 1975.

mathNEWS QUESTION NAIRE results

HOW MANY ANSWERED?
    24 were submitted
    23 read mathNEWS regularly
    1 reads it almost regularly

WHY DO READ?
    3 read mathNEWS for the gridword
    10 read it for everything else
    11 read it for both the gridword and for other reasons

HOW OFTEN?
    15 want mathNEWS every week
    6 want it every second week
    2 would like it when it is convenient for staffers
    1 doesn't care

mathNEWS WORTHWHILE?
    23 think that mathNEWS is worthwhile
    1 doesn't care

WORK FOR mathNEWS?
    5 said that they would work for mathNEWS but all 5 had reasons why they can't right now
    18 said that they wouldn't, or can't work for mathNEWS
    2 said they already do (?)

mathSoc
    7 think that mathSoc is doing an okay job
    3 said they don't care
    1 was undecided
    1 , when asked what they thought of mathSoc said, "What?".

NAME CHANGE
    2 were were for the faculty name change
    18 were dead against it

CLASS LENGTH
    1 is for the lengthening of classes
    19 are against the idea

SEMI-FORMAL
    6 thought that the semi-formal was good
    7 thought that it was bad
    2 didn't care

SMOKING
    3 are against smoker's rights being restricted
    14 think that smoker's rights should be restricted
    2 said they don't care

LIBRARY HOURS
    4 think that the library hours are okay as they are now
    9 think that the hours should be extended (some say back to 24 hours a day)

COMPUTING
    4 think that the policy on computer accounts should be less restrictive
    2 said they don't really care

mathNEWS
    7 think that mathNEWS is great
    3 think that mathNEWS is good
    1 thinks that mathNEWS is deteriorating

OTHER
    3 said that they think that the M&C building should be open longer at night
    1 said that the course drop period should be lengthened to the last week of lectures

BURLOAF

Recently, I took a trip through the Computing Centre's famed (infamed?) Debug terminal. I knew conditions were bad in there, but I had forgotten just how bad they were. Luckily, at the time I went, there we'rent that many people trying to get work done so that I was able to keep my visit down to about six hours, getting an assignment done. One good point, I see they've gone to eight lines per inch of printer output, from the previous six lines. Not only does this save some paper, by having smaller pages, it fits better into standard 8-1/2 by 11 inch notebooks (you can save 110 columns as opposed to 80 columns of output) and as far as I am concerned it is much more asthetically pleasing.

They still use that ridiculous header page, though. If they're not going to print the job name in large letters (like downstairs), but rather just the one line with the job name, they as might as well stick that one line on the top of the page and then start the compilation on the same page. As well as consuming needless paper, it slows the terminal down, not by much for one job, however, the volume of jobs run causes a signifigant amout of time wasted.

Another cause of paper wastage is the unique ability the compilers they provide on Debug have of tyrning one syntactic error into a page full of messages. When I first ran a two page Algol W program, i had four keypunching errors. This cause the the generation of seventy-five error messages. (The compiler had many more messages to give, but it aborts after the first seventy-five.) Because a declaration was wrong, a number of variables were undefined to the program. Every time the compiler encountered one of the variables in usage, it then gave an appropriate error. This meant I got told umpteen times that each variable was undeclared, when I really only needed to be told once. I had also left out an END, which had a rather cute effect. The missing END cause several errors to occur, but for some reason, the compiler insisted on putting in an END. The place it chose for it (not the end of the program, incidentally) was the wrong place, and only resulted in another avalance of nasty messages.

When I let my comments wander into columns 73 to 80, the compiler generates the silly message "garbage in sequence field", when what is in the "sequence field" is not garbage but valid comments. Why the blockhead who put in this feature assumed that I wanted to sequence all my cards, I'll never know. Most programs written on Debug are short enough that sequencing would be of no real value.

In one of the terminal rooms there is a computer printout tacked to the wall with a listing revealing three people playing spacewar on the Honeywell. All three userid's were "bellcanada". Below was scibbled the comment "The world needs Nellorphones!".

This week's morsels of knowledge deals with base one arithmetic. As most computer science students know, computers use bse two because it is simpler than base ten (for machines, that is). Well, if base two is simpler than base ten, base one should be even simpler. And it is.

Base one has one digit - 0. Following is a list of some the real number representable in base one:

0

The basic operations are easily defined, in fact all the tables have one entry each.

```
 + | 0        - | 0        * | 0        / | 0
 --+---       --+---       --+---       --+---
 0 | 0        0 | 0        0 | 0        0 | 0
```

"*" denotes multiplication, "/" division. Although 0/0 is traditionally undefined, we will fix it to be 0 for simplicity's sake.

Lots of neat mathematical properties hold in base 1:

Commutativity: $0+0 = 0+0$ $0-0 = 0-0$
                    $0*0 = 0*0$ $0/0 = 0/0$

Associativity: $(0+0)+0 = 0+(0+0)$
                    $(0-0)-0 = 0-(0-0)$
                    $(0*0)*0 = 0*(0*0)$
                    $(0/0)/0 = 0/(0/0)$

Distributivity: $0*(0+0) = (0*0)+(0*0)$
(note: all operations are distributive over everything.)

Existance of identites: $0+0=0$ $0*0=0$
Existance of inverses: $0=0-0$ $0=0/0$

Although 0 raised to the 0th power can be either 0 or 1, we define it as 0. The 0th root of 0 is also defined as 0.

We have the traditional heirarchy of sets:

whole numbers:	0
integers:	0
rationals:	0/0
reals:	0.0
complex:	0+0i

From this, it must be clear to the reader, the simplicity that can be obtained by using base one arithmetic.
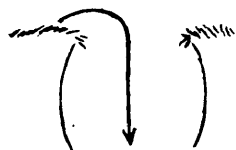
---

underwhelming
TURNIN

The Math undergrad Reps on the Federation of Students Council for 1975 to 1976 were chosen last week. In a hard-fought acclamation J. J. Long and G. G. Dryden were returned to the Fed council for another year and Denis Richardson a first-year student and member of the Federation Board of Education was chosen as the Math Co-op Rep. Hopefully statements will be forthcoming from our reps in the next issue of mathNEWS. Elections in other Faculties take place March 5th and the annual general meeting of the Federation will take place Monday March 10th. Any student can vote at this meeting and the new Board of Directors will be selected at this meeting. On the same day the new council will meet to ratify the new executive and the election.
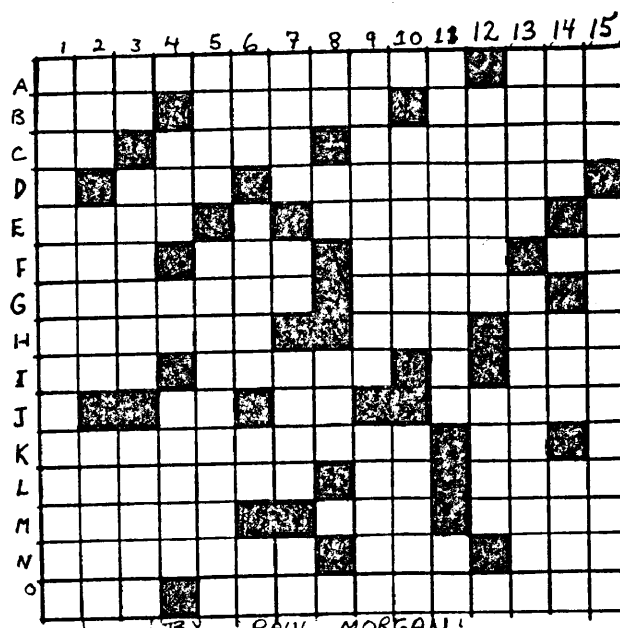
In another exciting acclamation of interest? to Math students, second-year student Harry Vanderzand was selected February 13 to be the new Math undergrad rep on the U. W. Senate. Harry succeeds Joe Carpenter and takes office May 1st for a two year term of office.

Math still lacks a rep on the Campus Centre Board, anyone interested should see the CCB. Mathsoc council elections take place on March 19th. As usual nominations are needed, especially for President and Vice- President (they don't want to see another acclamation). Nominations open Monday and close March 12th.

CLUES DOWN

a 1 Representation
a 2 Hale Erwin uses one
a 3 Same as 19 across

a 5 Arabian sheikdom
a 6 Three eighths of twice
   the radius
a 7 A Toad Ran In
a 8 Cash Register
a 9 Plate _____ (geol)
a11 Living space
a13 Owns a trolley
a14 Knicks Willis or
      Vikings Oscar
a15 Its only human
b12 'You' Be Proud In
    Seventy Eight
c 4 Dog command
c10 Mean in disposition
d 3 A vitamin
d 8 Make sure you know it
e 2 Virile
e 6 CBC series
e15 Disrespect
f 5 Measures angles
f 7 Rabid Skunk
g 4 Pin-__
g13 Honourable males
h14 Derangement of 'Beantown's
    Bobby
i 7 Ceremony
i 8 Greek letter
j 4 Adolph's little woman
j12 Latin for behold
k 2 Almost a town in Nova Scotia
k 3 Lukewarm
k 6 Same as k12 across
k 9 Composer
k10 Boy's name
l14 Flat plate
n 6 Coin Exchange
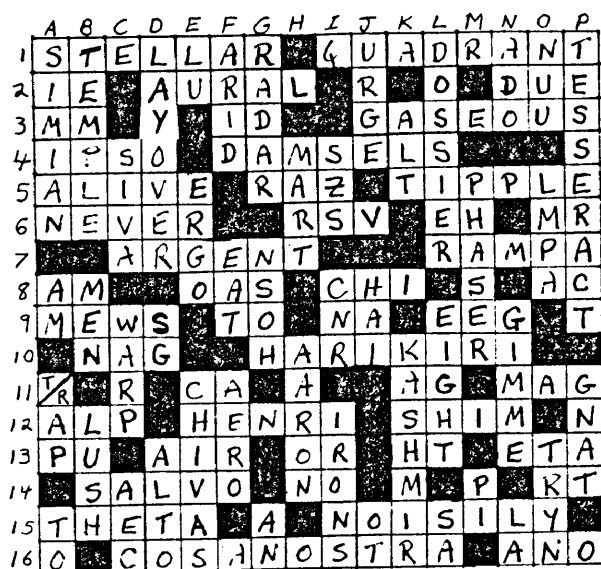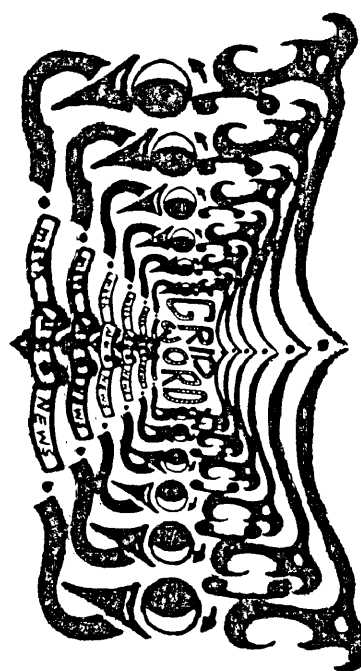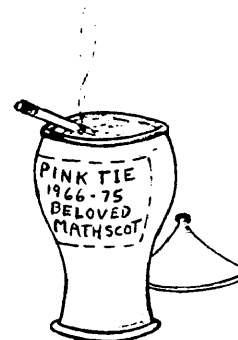n 7 __to, surjective
n11 What politicians give
    us a lot of

CLUES ACROSS

a 1 Earlybird?
a13 As opposed to the rock part.
b 1 It doesn't look like a fish
b 5 Type of joint.
b11 Swiss mathematician.
c 1 Concerning.
c 4 West German river.
c 9 Shoe fixer.
d 3 Partial derangement of INN.
d 7 Dauntless.
e 1 You need not do it.
e 8 Girl's name.
f 1 North American Airways.
f 5 A redemption value of a bond
f 9 Noun-forming suffix
f14 Babylonian city
g 1 Curves to the inside
g 9 In short, you take exlax
    for it
h 1 Switch on
h 9 Its almost the Central
    Intelligence Agency
h13 Before
i 1 In Your Name
i 5 They often cover playing
    fields
i13 A month to remember
j 4 British
j 7 3rd person sing. he _ .
j11 Arrangements of beats in
    a line of poetry
k 1 Enticing
k12 French for sky?
l 1 Molasses produced during
    refining of sugar
l 9 Elevated railroad
l12 Surrender
m 1 Power supplied to a
    machine
m 8 Prefix meaning three
m12 Partial derangement of
    MINE, reversed
n 1 S. American river
n 9 A quick, light touch
n13 Ethiopean Social Club
o 1 Its as good as a wink to
    a blind horse
o 5 That glorious era,
    artistically speaking

BY PAUL MORGAN

LAST WEEKS SOLUTION

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	S	T	E	L	L	A	R		G	U	A	D	R	A	N	T
2	I	E		A	U	R	A	L		R		O		D	U	E
3	M	M		A	Y		I	D		G	A	S	E	O	U	S
4	I	?	S	O		D	A	M	S	E	L	S				S
5	A	L	I	V	E		R	A	Z		T	I	P	P	L	E
6	N	E	V	E	R			R	S	V		E	H		M	R
7			A	R	G	E	N	T				R	A	M	P	A
8	A	M			O	A	S		C	H	I		S		A	C
9	M	E	W	S		T	O		N	A		E	E	G		T
10		N	A	G			H	A	R	I	K	I	R	I		
11	T/R		R		C	A		A		A	G		M	A	G
12	A	L	P		H	E	N	R	I		S	H	I	M		N
13	P	U		A	I	R		O	R		H	T		E	T	A
14		S	A	L	V	O		N	O		M		P		R	T
15	T	H	E	T	A		A		N	O	I	S	I	L	Y
16	O		C	O	S	A	N	O	S	T	R	A		A	N	O

FINALLY THIS GRIDWORD BY
LEONARD V.A. SMITH (JVICB.Inc.)

PINK TIE
1966-75
BELOVED
MATHSCOT!

4

COMPLIMENTS

My compliments to MathSoc. Because it's about time someone got some credit for doing something right. The Lighthouse Semi-Formal was an obvious entertainment success. Definitely better than the "same old thing". MathSoc took a chance and tried to do something original, and it paid off (though perhaps not financially). Commendations are in order, especially from those pessimists who criticized this endeavour before it even happened. But I expect they never even bothered to apologize...
While I'm at it, three cheers to the C/D stand. I haven't found any little animals or hairs in my kaisers, and the coffee's ok, too!
...In fact, mathNEWS ain't doing such a bad job, either. Hell, I usually read mathNEWS first, and then maybe the Chevron, if I can find one. (yawn)

Phipp, 3A MATH

COMMENT:

The usual(?) editor is back this biweek after a slight bout of midtermitis. Lewd comments indeed! Girls, I'm thinking of having a Grid pet of the biweek. Applicants are welcome to come to any mathNEWS meeting.

Returning to matters more mundane, Alex Kowolenko is this bi-week's winner. There were only two other correct entries, both from Macdonalds. Shame on you two for breaking tradition by not winning a t-shirt. Chester Buczek almost made it but he forgot to fill in the questionnaire on the back and so was disqualified. Thanks to Mark Brader for his treatise of Richard Needham's puzzles, but, Mark, mathNEWS is indifferent to foul threats and they roll off our shoulders as does the gentle rain from heaven. The most common mistake was putting the word ASS for AND. I guess most people don't know their..., well I will keep my lewd thoghts to myself.

I have thrown 47 snowballs at the Math building but it still refuses to fall down. Suggestions are welcome.

As you may know, to reduce errors in the gridword, the submitter must come in and type up the clues. The following list is to save everyone out there a lot of tension about whether or not their grid has been accepted. I will let each person know by phone when to come out and word on it.

List of Gridwords Submitters
Accepted: Lynn Helwig
         Norm Macdonald c/o Kathy Wilson
         Douglas Holmes
         Graham Johnson and Greg Williams
Note: Anybody who wants their published gridword back or wants to rework their rejected sumission, come to a mathNEWS meeting and pick it up. Hurry--after a few weeks they will be thrown out.

Speaking of mistakes, there wasn't any mention of the mispositioning of a down clue in the across list. Even the corrections sometimes go astray when not being supervised by the creator.

Dig up: some chicken legs (drumsticks)
       chicken hearts
       chicken giblets
       2 medium tomatoes
       2 medium onions
       1 large green pepper
       1 zuccini
       salt & pepper
       margerine
       Minute Rice (or other)
       water (hard to find)
       red table wine

Take a medium-sized casserole dish and melt about a spoonful of margerine over low flame. Remove dish from stove. Add drumsticks, chicken hearts, giblets. Add diced tomatoes, chopped onions, diced green pepper and diced zuccini. Sprinkle with salt and pepper. Pour on about 1/2 cup of red wine. Place in pre-heated oven at 400 F for one half hour with the lid on.

While this concoction is in the oven, take a look at the directions on your package of rice for 2 servings. On Minute Rice, it is 3/4 cups of water, 3/4 cups of rice. What you do is take 3/8 water, 3/8 red wine, 3/4 rice, and follow directions on the package. Now, you have pink rice!

When your half hour is up, you take the casserole dish out of the oven, stir in the cooked rice, and put it back in the oven at 450 F with the lid on for another 20 minutes.

VUILA. YOU'RE FINISHED.

A nice drink to go with this is Dubonnet on the rocks.

If you happen to have time, fruit salad is a nice dessert.

unCLASSIFIED ADS

For Sale - STEREO

one Pioneer SX-727 AM-FM stereo receiver (40 watts/channel rms) and one pair of ADC 303ax, 2 way loudspeakers, 10 months old. list $900 sell for $650 for receiver and speakers. (both rated as best buys by Consumer Reports magazine) phone 884-5039 ask for Al.

HOUSE TO RENT from May 1/75 to Aug. 30/75. semi-detached house at 139A Weber St. N. Wat. - Bridgeport and Weber, close to shopping plaza and bus. RENT - $250/month. Call 885-2238.

Happy Birthday Laura

Even though you're one year older
And Ricky says you're going grey
We hope your nights will not grow colder,
Cause we still love you anyway.

Best wishes from Paul, Rick, Ty, Al.

FICT ETICS

LORRAINE DEFECTS TO SCIENCE
CHEMICALS IN POOL TOO MUCH FOR SCIENCE
AS SEA-WHORES HAND THEM SHOCKING DEFAULT

Following last week's default by Science, Math Sea-Whores turned the tables and defaulted to the Boob-Tubes in Waterpolo un-action Sunday night.

In a rare and unprecedented display of apathy, Sea-Whores declined to show up for the last game (allowing the Boob-Tubes a victory which otherwise would have been impossible), winding up the season with a 5-0-0-1 (wins-losses-ties-defaults) record (an impressive record considering the quality of play displayed all term).

In the previous week's action Science defaulted to Sea-Whores , mainly because they were unable to kid-nap enough girls to play on a Sunday night. Where-upon LIBIDINOUS LORRAINE defected to Science in an unsuccessful attempt to pick up some/all of the Scientologists.

As a result none of those plant-watchers could stay in their tubes long enough to receive a pass (the waterpolo kind) let alone score (also the waterpolo kind).

Science coach SANDY YATES commented after the game, "Goddamn you Mathies, you get those pool-attendants to put so much CL 2 in the water it make us Science types puke, (a violent chemical reaction???-editor) and then we have to spend as much time fighting off Lorraine as trying to stop you guys from scoring."

The A.C. replied, "Tough shit!,you guys wanna play, you gotta take what we give you. Besides, we couldn't give you Nancy because she has to be on the team with the white hats since she can't see people wearing black."

A.C. GETS FIRST GOAL OF LIFE
SCROOGE BECOMES HERO FINALLY
COASTER TRANSFORMED INTO $6 MAN

In a tough 3-game in 2 day schedule last week Math came out undefeated.

In Friday's first game the Hacks managed to scramble for a tie in the closing minutes of the game on a superb and well-executed goal by SCROOGE. "I don't know what happened for sure, there I was nonchalantly leaning on my broom in front of the opposition net, trying to hustle this chick, when all of a sudden the broomball comes bouncing off the end boards and richochetes off my stick into the net. It really blew my chances with that broad , I don't mind telling you (slim as they were to start with)".

COASTER played a great game considering the fact that he was recovering from an expensive $6 transplant operation where his severed arms and legs (see last issue of Mathnews for details) were replaced by 2 seal flippers and a cod-fish tail. He is still unable to grasp a broomball stick, but his fantastic diving saves and his ability to balance the ball on his nose, easily out-weighs that disadvantage. The operation seems to have given COASTER several other skills, such as his new-found capacity for raw fish and his ability to play the "North-Atlantic Squadron" on a series of bicycle horns.

In the following game the Hacks were recruited to fill in for a team that had defaulted to the SUNNYDALE SWEEPERS (heirs of the Sunnydale Sluts and Hose-bags). Even though weary and exhausted, the Hackers beat the Vacuum Cleaners, sorry, Sweepers, 3-2 in a game which the A.C. scored the first and second goals of his 10 year career in UofW broomball, along with his first-ever assist. It is rumoured that the Hacks are going to have a new election for A.C. (assistant coach) as the current one doesn't seem to be the worst player on the team any more. SCROOGE was nominated for the position but luckily he had scored a goal the game before and no longer had the necessary qualifications for the job. "I guess I'm just lucky, I know what has happened to elected officials of this team in the past, I just couldn't face another chain-saw after that fight I had with one last summer."

When asked if she felt that SCROOGE'S remarks constituted a slur directed towards her, CATHY-X replied, "As you all know Staff-Sargeant HUBERT-X cleared me of all charges a few weeks ago, but certain people have been known to have unfortunate accidents, for example, the old D.C. (dead coach) and until recently the incapacitated A.C. If I were a certain party I would watch where I was pointing my words if I knew what was good for me", while her apprentice psycho IRENE was busy honing a fine edge on a new Black and Decker battery-operated Skil-Saw.
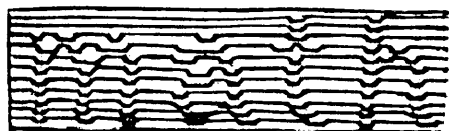
Bleary-eyed from alcohol poisoning and a tough two-game series on Friday, the Math Hacks went at it again on Monday night at the Waterloo People's Barn and Drunk-Tank, for their final game of the season, against the Sunnydale Vacuum Cleaners. Spurred on by threats from CATHY-X, the Prez (JIM LANGER) scored the only goal of the match early in the second period. Previously the Prez had been known as goal-a-game-Langer, but unfortunately, he neglected to score in one of the games on Friday and has since become known as "6/7-of-a-goal-Langer".

ROSIE, our token jock, seemed somewhat surprised to see COASTER back in net for the Hacks. When asked by mathNEWS reporter CLARK KENT whether she still felt any bitterness towards COASTER she stated,"No, I never hold a grudge". However, Kent reported that his suspicions were later aroused when he spied ROSIE in animated conversation with a representative of Ringling Brothers- Barnum and Bailey Circus.

Stay tuned for next issue's term-end summary and the second 1st Annual Edsel Awards.

DEFICIT

The mathSoc meeting on Tuesday, February 25, was the first such meeting since the infamous semi-formal. All council members were anxiously awaiting the report, or, at least, a report from Jim Langer, who organized the affair. It is interesting to note that both the treasurer and Jim Langer were absent at this meeting. Questions from reps about the monetary loss were deftly sidestepped since no one of responsibility was there.

Both Mathematics entries in the competitive hockey leagues this term appear to have locked up post-season berths by virtue of recent wins.

In 'A' division, Math currently holds down second place with wins, 1 loss record in the ten team set-up. Math 'A' were to face Kinesiology in a rematch of the winter '74 finalists and fall '74 semi-finalists on this past Wednesday and a victory would advance them to the semi-finals on Sunday, March 9 at Moses Springer Arena.

Math 'A' latest two victories were hard fought 3-1 verdicts over West Alumni and Upper Engineering. Against West Alumni, picked by some "experts" as on of the teams to beat this term, early goals by Dennis MacDonald and John Merklinger staked Math 'A' to a 2-0 first period lead and West Alumni were held to one shot on the Math net. However, a poor second period effort by the locals enabled West Alumni to rally, only to be thwarted by Jim Nichol's empty-net clincher.

Sensational netminding by Engineering's John Rutherford was in vain as Math 'A' clinched a play-off berth in a 3-1 verdict over the plumbers. Scott Simpson tallied twice for Math 'A' with John Merklinger's 6th of the season being the insurance marker. Bob MacKenzie shone in the Math cage in lowering his goals against average to a creditable 2.00 in 5 league games

* * * * *

In 'B' division action, Math 'B' rebounded from their first loss of the season against Nursing, to thump Lower Engineering 7-1 and move close to clinching a play-off position. In the 2-1 defeat by Nursing, Ed Lebar scored the only goal and Lebar & Jerry Chiemelewski fired two each against Lower Eng. Kim Newman, Dean Mucci and Barry Ashworth also scored as Math 'B' upped their record to 3-1-1.

MATHLETICS BASKETBALL

Last week Co-op Math and Math Mucks lost their games. The Mucks loss left them in fourth place but still in the playoffs. Pentagon ousted Optometry 57-37. The big upset last week was Summer Rats over Kin A, creating a 3-way tie for first place in the Sunday A League.

On Sunday, Pentagon, Summer Rats and Kin A all won, meaning the deadlock had to be solved by the points spread throughout the season. When the dust had settled, Kin A was on top, followed by Pentagon an Summer Rats.

Only 5 Muckers showed up for the game against Summer Rats. The outcome could have been much different had the rest of the team showed. Co-op Math had similar problems as captain Chris figures their first win could have been had with the full roster playing. As a matter of fact, he could not field a team and had to default.

This term, there is no consolation play; it is a single knockout playoff. Playoff games begin this Sunday and continue for the winners next Sunday and Monday.

Pentagon vs E.S.S. 8:45 pm. Sunday March 2
Kin A vs Math Mucks 7:45 pm. Sunday March 2

No practice this week for Math Mucks. Please phone me at 745-3079 if you cannot make it Sunday. If you don't phone I'll be counting on you.

'B' Hockey Team Clinches(?) Playoff Berth

Team B finished their regular season tonight on a winning effort, beating favored Conrad Grebel by a score of 6-3. This win, plus the Sunday night slaughter of Engineering (7 to 1), should assure the team a playoff position. They finished the season with a 5-1-0 record.

The weekend triumph was accomplished thru sheer offensive might with less than 12 shots being directed at goaltender Ed Grabb. Ed Lebar and Jerry Chimo each racked up a pair of goals with Jim White, Kim Newman and Mr. Mucci adding singles.

Conrad Grebel, who were favored to win the league championship, got off to a fast two goal lead but fell apart under the B's patented comeback rally. Ed Lebar scored from every angle possible to pick up a HAT TRICK (that's 3 goals). Chimo potted a pair and White added the other.

The team could go all the way to a championship given a little moral support. Any and all playoff times will be listed outside the Lounge, so if you've got the time let's see you there. Lenny, Mel and the gang put on a great show. Don't miss it.

	Math 'A' Scoring Leaders (League Games)			
	GP	G	A	PTS
Merklinger	5	6	3	9
Fallon	5	3	5	8
Simpson	5	3	4	7
Wilhelm	5	4	2	6
Nichol	5	1	4	5
Greatrix	5	1	3	4

MORE

DEFICIT

The meeting got underway with a report from mathNEWS stating that the newspaper will be (is) overbudget if it continues to be produced. If published until the end of term mathNEWS will incur a deficit of 300 to 400 dollars.

Peter Lee then gave a report on anti-cal.

Fed Rep J.J. Long felt that although MathSoc is "under financial duress" it should donate $200 to the Mike Moser fund. The motion was tabled until the account books could be scrutinized.

An election committee was formed by Steve McCabe, Howard LeBlanc and Gary Prudence. Elections will probably be held March 19.

Joe Carpenter asked for input on whether President Matthews should be appointed for another term. Joe is on the University of Waterloo Presidential Search and Nominating Committee.

The next meeting will be held March 11th in MC1056.

the PHANTOM returns

Take note all neatness freaks and/or people with neatness crazy markers for their computer assignments.... There are programmes available on the Funnybun for neatly formatting both ALGOL60 and FORTRASH. The Fortran one is SYSTEM?"FORM" and is written in Fortran. The one for ALGOL is called "SOAP" (Simplify Obscure Algol Programme) and naturally is written in ALGOL. This suggests several possible projects for the computer science club (perhaps an ALTRAN formatter in ALTRAN)....

As a point of interest it is noted that there is a version of WATFIV around with error messages in Italian.

...We've noted that some people have misinterpreted the words of that great mathematician who is well liked on the fifth floor (Rene Descartes): "Cogito ergo sum". It seems some people have deluded themselves into believing this means: "I think therefore I am". Actually, anyone familiar with Descartes' clear and distinct way of expressing himself would realize immediately that this is his way of showing the universal nature of mathematics and the perversity of Artsies. It should really be read: "I think therefore I ADD".

It might be noticed that both programmers of WATIAC & WATMAP have now permanently left the university...anyone who finds a bug now may be asked to fix it themselves...

Speaking of unreal assembly languages here are some mnemonics one might find in an EIS-BOX (Extend Instruction Set - pronounced ICE-BOX which is probably where they belong):

```
rdi reverse drum immediate
bcr-backspace card reader
bsc-burst selector channel
pd-punch disc
po-punch operator
rwd-rewind disc
cc-chew card
rig-read inter-record gap
ed-eject drum
epn-erase punch
sdb-select drum & beat
sd-slip disc
ccp-chain command to post
slp-sharpen light pencil
bcs-branch in channel & swim
ii-inquire and ignore
rt-reduce thruput
cd-create data
htc-halt tape & cut
rpm-read programmer's mind
rwr-rewrite record
dvc-divide & conquer
xor-expulsive or
br-byte & run
crn-convert to roman numerals
tpd-triple pack decimal
bpo-branch on power off
bb-branch on bug
ia-illogical and
cpb-clear parity bit
tpo-turn power off
tpn-turn power on
xno-execute nooperation
mbd-move & drop bits
xop-execute operator
shf-simulate hardware failure
hcf-halt and catch fire
lia-load ineffective address
pcb-patch core box
tpv-transfer psw overflow
alp add logic to programme
acp add character to programmer
```

A special farewell to the last Argonaut with hopes that he liked his cookie...

HOW LOW CAN YOU GO?

Spring is approaching and its time to start thinking about income tax and, of course, deductions.

One of the most important deductions for a student is tuition fees. The following are some important facts about tuition fees.

(1) Only the student can claim them as a deduction. So regardless of who paid your tuition only you can claim those fees as a deduction.

(2) Receipts must be provided to back your claim. If you can't find your receipts, Financial Services will gladly provide you with copies (at $2.00 per copy).
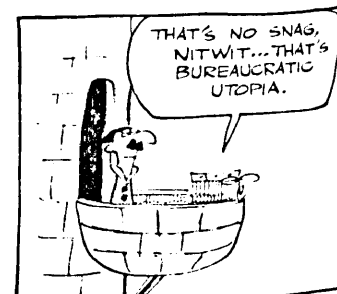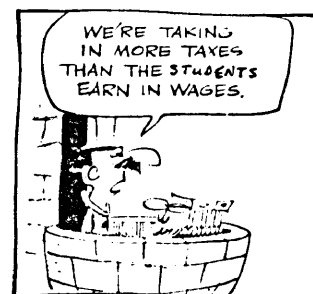
(3) The money you pay to U of W at the start of each term is not all deductable. In Co-op Math, for example, out of approximately $400 only $372.70 is deductable. So look carefully at your receipt before filling in your tax form.

(4) You may claim tuition fees for any period or 12 months or less provided that the period begins in the taxation year. In other words, for the 1974 income tax return, you will be unable to claim any tuition fees which cover a period before January 1, 1974. The above rule can be used by co-op students to help level out their income by pairing each work term with an academic term.

For example, if you had two work terms in 1974 you can pair one of the work terms with the summer academic term. But how do you pair off the other work term? Simple. You use the present winter term. In other words you deduct tuition fees for a 12 month period beginning in May 1974.

Consult the charts with article for further information on the best way for you to use pairing.

(5) Tuition fees can be deducted only once. For some reason the federal government frowns on attempts to deduct the same tuition fees twice. So much for tuition fees. Next week I will attempt to deal with the ONTARIO TAX CREDIT.

Panel 1: SIRE, I FEAR WE'VE HIT A SNAG IN THE CASTLE TAX PROGRAM.

Panel 2: WE'RE TAKING IN MORE TAXES THAN THE STUDENTS EARN IN WAGES.

Panel 3: THAT'S NO SNAG, NITWIT...THAT'S BUREAUCRATIC UTOPIA.

YEAR 0	YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5		
S	F	W	S	F	W	S	F	W	S	F	W	S	F	W	S	F
1 A		1 B		2 A		2 B		3 A		3 B		4 A		4 B		
TAX YEAR 0	TAX YEAR 1			TAX YEAR 2			TAX YEAR 3			TAX YEAR 4			TAX YEAR 5		

YEAR 0	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
S	F	W	S	F	W	S	F	W	S	F	W	S	F
1 A	1 B		2 A		2 B		3 A		3 B		4 A		4 B	
TAX YEAR 0	TAX YEAR 1	TAX YEAR 2	TAX YEAR 3	TAX YEAR 4	TAX YEAR 5

Prof ANTI

To the editor of mathNEWS:

I am writing an answer to the author of ANTI-PROF which appeared in issue 7.5 of mathNEWS. I am one of the professors who is teaching second year algebra, and it may be that you are in my class. I might see the consequences of my words.

First of all, anyone (even a prof) can have a bad day. On this point everyone should be lenient. Certainly you expect as much when the prof makes out the final mark at the end of the term if you have a sequence of consistently high marks marred only by one low one! But I doubt that this is your problem, because I think that you would not have felt compelled to write if there had been only one bad lecture.

Secondly, for the sake of argument, I shall assume that you are not so completely lazy that you have neglected to learn the definitions, and as a consequence would not be able to understand any lecture on the subject.

Most of the professors in this faculty are very much interested in communicating their knowledge to students. That is why they are here. I know this from within myself and I know this of my colleagues, because I often hear conversations about how better to present one topic or another. There is also one other piece of evidence to support this claim: that is the relatively low salaries paid by the university compared to industry or government.

If you have difficulty understanding what is going on in class, communicate this to the prof. During class, ask for an explanation of the point or a clarification of an obscure remark. Or, after class, tell the prof that you do not understand, that it seems incoherent, that you can not see the relevance, or that he or she is covering the material too fast. If the problem is a foreign accent, ask the prof to repeat or to speak more slowly. I am sure that the teacher will respond, because no one is more acutely aware of the problem than the teacher.

If you can not come to an agreeable relationship with the prof, you have the option of discussing the problem with several people: the prof in charge of the course, the undergraduate officer, the chairman of his department, or a dean. If your experience is not isolated, something can be done, but before the University can take any action, someone has to know that there is a problem.

A letter to mathNEWS may make you feel better, but it is no way to get action. First, the teachers are not going to change as a result of it. They are all walking around saying, "It must be Professor Dingleberry down the hall, not me, they are writing about this week." Second, the administrators can do nothing. They do not know if the letter represents a crank, a single isolated incident, or a legitimate problem.
Yodar Critch

Student ANTI

to mathnoos.

I feel sorry for the person who wrote the article ANTI-PROF who was complaining about his second-year algebra professor. He must have somebody else besides Prof. Dickey, because I do, and I go to all his lectures and I think that he is great. Maybe the writer of ANTIPROF should shop around.

"I have a good prof"

Dean ANTI

Dear mathNEWS:

I was sorry to read in your issue of Friday, February the 14th, 1975, your contributor's letter in "sound off", since this indicates once again that many of the students in Mathematics are not aware of what should be done if they attend a class which is very poorly taught. What they should do is to complain to either one of the Officers of the Math Society, to a Department Chairman, to an Associate Dean, or to myself.

The implication contained in your contributor's letter that the Mathematics Faculty doesn't care about poor lectures simply is not true. Whenever a complaint is received, either from a student or from MathSoc, it is investigated and followed up. Also, a record of the enquiry is kept in the files of the Instructor concerned. In addition, the Anti-Calendar is looked at quite carefully by the faculty members and, more importantly, a Professor's teaching ability is taken into account when promotion, and salary increases are considered, in order to encourage good teaching. Therefore it is difficult to see what more can be done administratively, unless students let us know when problems arise.

W. F. Forbes
(Dean of Math.)

Cornucopia

The following quotes are taken from the Royal Bank of Canada's February newsletter.

Too often we say "in the beginning" and imagine that we have pinned down a vital point from which everything else follows. But before long we find ourselves asking: "what was there before the beginning to make it possible for the beginning to begin?"

Mathematics is referred to as "the queen of sciences" because it enters into and governs almost every other department of knowledge. It is the systematic treatment of magnitude, relationships between figures and forms, and relations between quantities expressed symbolically. Plato wrote that among all the liberal arts and contemplative sciences the science of numbers is supreme. Asked why man is the wisest of animals, he replied "because he knows how to count."

WHY NOT ?

This week we will deal with comments concerning the question:
Would you work for mathNEWS?
NO - TOO MUCH WORK ALREADY!!!
take a break---join us.
NO - IN ANOTHER FACULTY
that's no problem we've had people from Integrated Studies,
Science, Engineering--even Math.
NO - I TAKE SEVEN SUBJECTS IN 2A AND GO AWAY EVERY WEEKEND - I ALSO DON'T HAVE THE STRONG DESIRE
for what?
NO - LIVE IN GUELPH! BUT WILL IN FALL
glad you're moving just for us
YES - IF I HAD TUESDAYS FREE AND NO CLASS WEDNESDAY MORNING
if only I were so lucky
YES - IF I HAD THE TIME
see previous comment
NO - OTHER INTERESTS (I.E. BESIDES PASSING COURSES, SOMETIMES) DO NOT COINCIDE WITH AMATEUR JOURNALISM
journalism? what journalism?
NO - NOT INTERESTED IN WORKING FOR A CLOSED SOCIETY
huh? what closed society?
NO - DUE TO VARYING NATURE OF ASSIGNMENTS - LIKE TO KEEP MY SCHEDULE FLEXIBLE
mathNEWS is very flexible
NO - COULDN'T BE A STEADY BECAUSE OF MANY HEAVY ASSIGNMENTS AND I CAN'T WRITE! (DECENTLY)
you don't have to be a steady, many of our staff are not

NO - INVOLVED IN OTHER ACTIVITIES
Involved in what-- we'd love to know
NO - NO TIME
time stands still for no one
NO - GENERALLY LAZY (AS MOST OTHER STUDENTS ARE ALSO)
what makes you think mathNEWS staff is different
YES - BUT I'M A GRAD AND MATHSOC WOULDN'T GIVE ME AN ANTICALENDAR SO I DON'T
we'll give you one
MAYBE - I HAVEN'T WON A GRIDWORD YET. AFTER I DO, I WILL
tough luck, Mark
NO - 336B ASSIGNMENT DUE WEDNESDAY MORNING (CLASSES 8:30 to 12:30)
oh,well
NO - DO MY ASSIGNMENTS ON TUESDAY NIGHTS
sure
NO - I'M ALREADY ACTIVELY PARTICIPATING IN UNIVERSITY ACTIVITIES
why don't you write an article about your activities
NO - NOT THE TIME
too much TV
NO - I DON'T FEEL I HAVE THE TIME, IF YOU DO ALL THE POWER TO YOU
thanks for the power
NO - TOO MUCH WORK ALREADY!!! SOME OF US ARE WRITERS, CREATIVE, ETC., AND SOME OF US ARE NOT AND LAZY(ME!)
you think you're different
YES - IF THEY KEPT DECENT HOURS
6pm to 7am is not decent? actually most of our staffers come out for a few hours only
YES - I ALREADY DO
YES

So much for our financial woes...on to other things...DROP period ends March 4th...library & math building will be open until 2am weekdays starting March 2nd...lighthouse semi-formal....for those who went---a gain;for those who did not---a loss. Rumour has it that the Federation made mathSoc a loan to help ease the shock of the semi-formal deficit....C&D has offered to help subsidize the semi-formal ...mathSoc has aquired a new sneaker(s)(?) for the lounge area....you may hear something new in the future....pre-registration starts soon...a list of people to see & times will be posted outside the mathSoc office....Campus Day for the suckers on march 16...those people who created grids see grid comment.
Now some important events....this week the phantom returned as did burloaf....the person who typed up the pre-registration article got so frustrated that he deleted his file...which why we have only one paragraph on pre-registration....food of the week were (munch)kaisers....Therisa Kardos did not show....mathletics supplied by ga/nf/acp....fictletics by gd&s.....our observer this week was gary prudence who stayed around so he could recover his C&D equipment....correction to the last masthead its--->∑L ∑UMMATION.....our wonderman of the week was jj who came in and did some work even though he planned to leave early(540am)........at 0500hrs the number of active bodies decreased by 66.67% By 0540hrs everyone had departed to struggle with the drifting white outside the math building...... leaving only the back page to fill....the editor has a gap in his memory of 4 hours(he fell asleep .....so we are going to be late agin....to Graphic Services by ~~1300~~ ~~1400~~ 1530 ??

Special thanks to those who helped in various ways: gary,judy,gregg,pat and (brant&johnny).

This week we were...paul lear; our artistic director RANDALL Smiling McDOUGALL; PETE timeless and rhymneless RAYNHAM; knowman(who was operating on aspirin & contact c); GARY(feeling acclaimed)DRYDEN who was aided and abetted by Scrooge;MPDILLON(feeling frustrated);JJLONG(who had great staying power) ; RJHIPFNER(who decided to continue an all-niter he started monday?);ACPALIDWØR(the maple leaves?); INGRID who was famished SPLETTSTOESSER; two characters who inputed, corrected, roffed as well as cut, taped, titled until 0500hrs were DON HALL and STEVE RISTO; and layout reporter DENNIS MULL!!!.
We were to tired to chase the bun this morning. So we went home hungry. MC3011 on march 11th.