number one:
WATERLOO PUTNAM WINNERS

It was announced recently that the Waterloo contingency of students defeated teams from 305 other institutions to rank NUMBER ONE in the North-America-wide Putnam Mathematical Competition, the first time ever for Waterloo. Under the coaching of Rod Cooper: Richard Anstee, Steve Locke and Ed Severn cumulatively outstripped teams from renowned places such as M.I.T., CALTECH and Stanford in the 6 hour exam, Ed and Steve placing in the top 12 of 2159 competitors.

The Putnam is an annual problem-solving competition somewhat akin to the Rene Descarte Contest administered to high school students. Medals and token cash awards are presented to top-scoring individuals and teams.

From September to the day of decision, December 7, 22 students supplemented their course load with preparation for the exam through self-study, classes with Prof. Cooper and guidance by visiting Prof. Klamkin.

Two non-team members, Grant Roberts and Doug Stinson, outclassed their peers with surprising performances. Grant ranked in the top five - an indivisible class - to win a cash prize of $250. Doug deserves merit for placing 46th while still a freshman.

Richard Anstee and Steve Locke had a few comments for mathNEWS: Rod Cooper was a great help in presenting sample problems, although not all took advantage of his classes. Writing the contest seems to become a habit - Steve is barred from writing again having done it 4 times. Richard will be there again next year. Both are understandably delighted with winning and believe that next year, judging by the performances turned in this time, Waterloo should win again. The university will be treating the team to dinner shortly in appreciation of their feat. Congratulations to all competitors are certainly well deserved.

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friday, march 14, 1975.

math NEWS

antical:
SOFT PENCILING

Well, its late, but better late than never. Starting next Tuesday, March 18 to Tuesday, March 25, you'll get hit with the antical surveys. You may not be aware of it, but many people, including your prof, the administration as well as the students , think a lot of your answers to the questions. It is regarded as such because years of dedicated work by many people, has developed Antical into something tangible, possibly relevant, and potentially very useful. A good phrase to describe this is that Antical is "maturing". This term, the attempt is being made to boot it into adulthood.
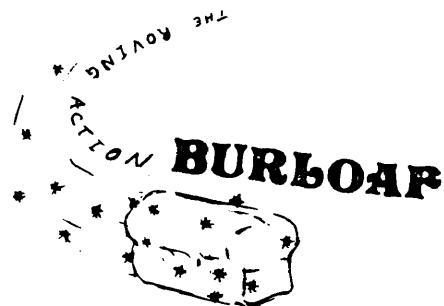
As part of the maturing process, a new plan is being tried for the administration of the survey. There are two features to this. The first is that the class and Prof will know in advance what time the survey will be conducted. Letters have been sent to each Prof arranging for a survey time, and by now, a schedule should be posted on the bulletin board outside Mathsoc office. The other feature is that students themselves, i.e. you, will administer the survey. At survey time the neccesary material will be left at your classroom, but no one will be there to shove it down your throat. You'll have to go get your own questionaire and mark sense cards from the front of the room; answer it and return the material to the front when you are finished. A limited supply of pencils will be placed in the classroom but any soft pencil will work on mark sense cards. Please have your own and return your borrowed pencils if not.

There has been doubts expressed whether this system will work. One of the chief fears was that you will not be interested enough to fill out a questionnaire by yourself. This if true is a great insult on you personally, because the only reason for this occuring is that you do not think enough of you opinions to even communicate it to people who are anxious to hear it. The only acceptable reason for it failing is that planning for it is bad and noone knows whats going on. In that case I can take all the blame.

All of this is an attempt to involve the entire population in this affair. Its success would mean that Antical will have a stronger base because it will then have active support from all the students. Besides carrying on the Antical tradition, this is perhaps the most important aspect of this terms survey. Its broad implications are even more important, as this spells the start of a break from the condition of apathy which has permeated this place since living memory.

This method of distributing the survey this term lessens the number of active individuals neccesary actively work for Antical. A worker can handle up to 5 classes comfortably at the same time. But bodies to leave and pick up the questionnaires are still vitally needed. Everyone feeling active please sign you name and means of contact at the appropriate box in the big schedule before next Monday. I will contact you then to confirm you involvement and detail you on the procedure of distributing the survey kits. Come and sit around in Mathsoc office too, if you feel like it. The reception is sure to be warm.

1

BURLOAF

Well, it's that time of year again, when the men sitting upstairs in their ivory towers get together and organize a thing called Campus Day, whereby they can attract high school students (they are the Basic Income Units of tomorrow) to come and view the University on a controlled tour. These innocent students are brought here by the invitation of the university, so that they can find themselves get impressed with everything they see. (Including the Debug terminal!) As usual, they will be fed the usual propaganda about how life is all roses in this veritable land of milk and honey in Waterloo.

Why, even the famed Red Room was laid out with visual appeal, rather than operational efficiency in mind. A sensible plan includes grouping all the I/O devices which need a lot of operator support (mounting tapes, etc.) such as card readers, tape drives and disks in one area, and putting things like the central processing unit off in another area (usually another room), to keep the enviornment cleaner (little operator activity is required, meaning little dust will be kicked up). However, the layout here was made so that as soon as you get into the Math building, you will be impressed all to hell, as you find yourself thinking, "I've never seen so much hardware all in one place at once.".

While we're here, it might be worth noting that the flexible plexiglass windows around the Red Room were replaced with much stiffer wire reinforced panes. This means it's a lot harder for people to start pushing the panes so that they start vibrating in and out. It's also harder for people who say that the panes are unbreakable to find themselves proved wrong.

Normally, I wouldn't gripe about things outside of the University, however I feel Kitchener Transit has earned a special mention. If you have a train to miss, an appointment to be late for, or an out of town bus to not catch, you can depend on the Get Around Gang at Kitchener Transit to not get you there. Once I got to a bus stop while a bus was stopped there waiting for a red light. Although the bus was stopped, as I arrived, the light turned green, so rather than let me on, the bus driver sped away. I haven't noticed the following so much now, as I did before, when you used to take the University bus to King and then catch the trolley car that used to run up King. I sometimes wondered if the drivers of the King cars got their jollies waiting at the transfer point until the University bus came, and then, just as umpteen people came got off to transfer, they'd speed away, so everyone had to wait for the next car.

I have heard the suggestion that the transit people should use as their theme song, a version of the old Dave Clark hit, "Catch Us If You Can".

The Computer Science Club went on a field trip to the Westinghouse terminal plant in Burlington. There, we were shown various stages in the assembly process for the various terminals made there. This included things like component subassembly (circuit boards, interconnecting cables), assembling of the terminal from these parts, and testing. Somebody thought it was interesting the way the cover of a terminal undergoing testing said Honeywell on it. It turns out, Westinghouse has a contract to make these terminals for Honeywell. (I might add, that the thermostat where I live has Westinghouse written on the front, but it is actually made by Honeywell.) In the area where the terminal covers are sprayed, our tour guide said that it is often the colour of the terminal, rather than what it does, that sells it. (This sounds like the sort of reasoning that stereo ads give you for buying their product. Two which come to mind are: (1) To impress girls you bring to your apartment, (2) Because there is an indicator light showing what you are listening to (phono, FM, AM, etc.), preventing extreme embarrasment on your part when you click on your stereo, expecting to show someone the excellent FM, and you get silence because the selector is on phono. (Why this is embarrasing, as the ad claimed, I don't know.))

Another item of interest are the ovens where they bake the terminals for a week or two weeks at about 100 degrees, with the terminals turned on. This is done to attempt to catch anything that may go wrong in operation.

Another thing that's done at this plant is the manufacturing of elevator controls. These are huge racks of relays, which are put together and tested in a simulator at the plant.

One thing I was impressed by was a stack of two trays on a desk, one was marked "IN", and the other was marked "BURL. ONLY". On the way out, we passed a terminal set up for show. Someone suggested dialling a Waterloo computer and signing on. It would be unreasonable to expect Westinghouse to pick up the tab for a long distance call though, so we were wondering if the Honeywell or the CC 70 would accept a collect call.

In other CSC business, it has been decided, that due to lack of interest by the membership, and the general public, no more meetings are to be held.

Following up (in a way) from two weeks ago's article about base one arithmetic, the Mathematical Games department of this week's <u>Scientific American</u> contains an article about nothing.

Nothing has many interesting properties. For one thing you can say almost anything about nothing. For instance, you can say that all the elements of the empty set (nothing) are green, and no one can prove you wrong. Nothing can be a little confusing at times: "I have no interests" is different from "I am interested in nothing". Nothing is different from 0.

Many religions have places for people to go to after they die (such as Heaven, the Happy Hunting Grounds, or another life on earth). To some people, the thought of even shovelling coals for eternity in the fire and brimstone of Hell appeals more than the thought of becoming Nothing after death.

One area of interest is trying to create something from nothing. In Mathematical Games, two rules are given by John Conway, that can be used to create all sorts of numbers from nothing. The positive integers can be created from nothing by counting elements. The number of elements in the empty set (nothing) is 0. The number of elements in the set containing 0 is 1. The number of elements in the set containing 0 and 1 is 2, ...

Burloaf (cont. from previous page)

The University is starting a new austerity program. The new calendars are out, to get your copy you have to meander over to the Ira G. Needless Hall and show your I.D. card. There's only one calendar per person this year, when you pick up your calendar, your card is stamped. The new calendar has slightly larger pages, but is not as thick as the 73-74 calendar. Course selections are also listed in two columns per page rather than the old format of one column per page.

I.D. cards are to be reused next fall -- that means you won't get a new card (except, probably, unless you pay some exhorbitant replacement fee) next fall. They're merely going to mark your current card in some way.

SUBSCRIPTION

MathNEWS has been operating a subscription service for people out on work term and other places. This term, we have twenty-two subscribers, ranging from British Columbia to West Germany. We are offering this service again in the summer. Anyone can get a subscription (technically, you should be a mathie, but we don't really worry about it) to mathNEWS. Although the paper is free (paid for by Math Soc fees), we have to charge for the envelopes and postage. The fee for a summer subscription is $1.25 $1.00. To subscribe you can do one of many things. You can go to the Math Soc office, M&C 3038, and say you want a subscription to mathNEWS. Someone there will be glad to take your money, and your name and work term address. If you don't know where you'll be living yet, then in April, mail us your name and address and $1.00. If you know who the subscription handler is, you could probably give them your subscription.

You will recieve mathNEWS in a envelope personally addressed for you by a gentle old 2741 terminal, within a few days of publication, postal service permitting. That's a lot better than waiting two or three weeks for a paper that you probably don't read anyway.

NEW FED REPorts

My name is Denis R Richardson. I am the Co-op Math rep to the Fed council. I am a first year student and have been very interested in the Federation of Students' operations since last December. I am a member of the Boards of Education and External Relations. It was my work experience on these boards which prompted me to run for this seat on council.

I feel that there is a need for strong mathematics representation on council, I will do my best to satisfy this need. There is also a need for good Mathsoc-Fed ties and this is why I have decided to run for 2A class rep on Mathsoc council. I hope you will feel free to contact me if you run into problems in your dealings with OSAP or anything else I might be able to help with. I can be contacted through the Federation office.

Denis R Richardson
Co-op Math

FED REPorts

JJLong

I would like to thank the Math students for returning me by acclamation as YOUR Fed Rep. Though I can assume that I was acclaimed because everyone was happy with my term of office and felt that I was a great rep, I know, however that all the Math Reps were acclaimed because not very many students care. Despite my rather underwhelming mandate, I shall try to represent YOU the Math students in the best way possible.

I shall briefly outline my achievements of the past year. I was involved in helping with Tent City and Orientation last September. In October I sat on the Election Committee, and in November I gave aid in the Renison crisis. I helped Andrew Telegdi urge students to vote in the municipal elections in December. As well I served on Shane Roberts' Board of Education dealing with course critiques and attended many Board of Entertainment meetings when Art Ram chaired the Board. Near the end of my term I helped John Shortall with his Presidential campaign.
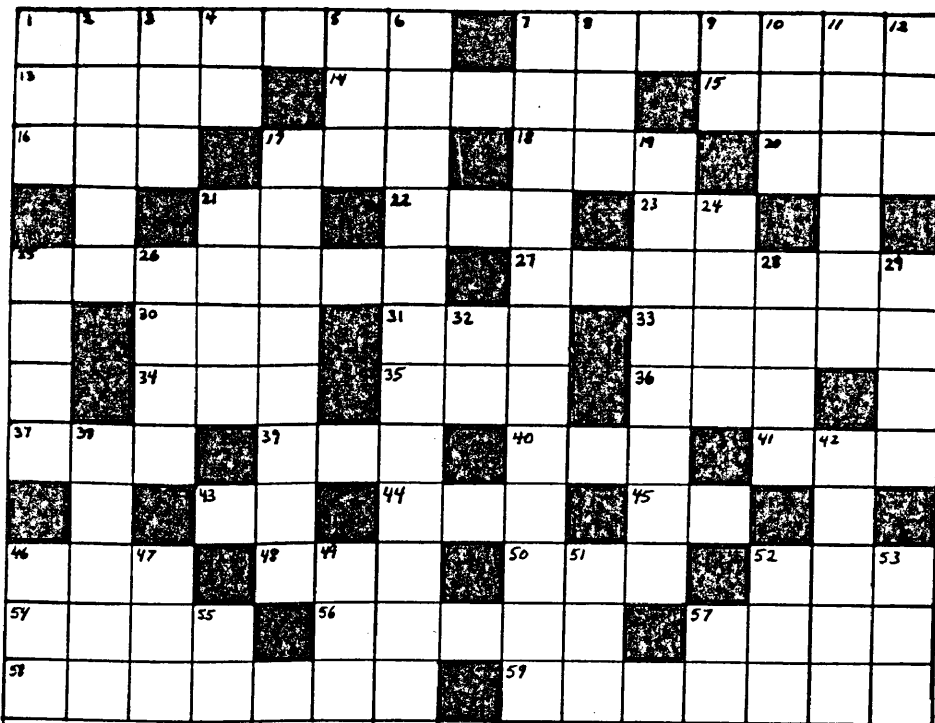
Thoughout my term of office I tried to keep my constituents informed by my columns in mathNEWS. I hope to continue that and hopefully involve the other Math reps. In the past year I kept involved in Mathsoc and attended the meetings. I hope to keep in contact with the Society. I know Gary Dryden, another Math rep and a candidate for Mathsoc President and I agree on many council issues with him and plan to keep liason with Mathsoc with him.

The fact that the Fed council appointed me as Treasurer, means that I can use that position to voice the concerns of Math students and help develop programs for this campus as a whole.

In the coming year the things that I would like to work for on the council and executive are:

-continued aid to techinically-oriented educational programs

-expanded Federation-run bus services to other cities

-help the Board of Publications put out more handbooks and a winter term directory for co-op students

-support OFS in its struggle to protect the student against provincial educational cutbacks

-provide aid to Society anti-calendars

-student management of the Campus Centre Pub

-better utilization of the Federations' financial resources

-allow the new leadership in Entertainment to develop new programs and give them a chance, but at the same time I would keep a good watch on the way the new Board is run.

It is hoped by me that some of my objectives will be a reality in the next year for the benifit of YOU the student.

As a final reminder I would like to tell you where I can be reached. My phone number is 884-6547, and I also can be reached through the Federation or Mathsoc offices. As for a new feature I can now be reached over the Honeywell "mail" system through mathNEWS or my own userid "jjlong".

CREATED BY DOUGLAS HOLMES.

BY: _____   PHONE: _____

Across

1. CAFETERIA FOOD
7. EMOTION
13. BABY PLANT
14. ANIMAL'S SOUNDS
15. FRANCO-SPANISH ERA INDIANS
16. SIGN WHICH BARS FEMALE ENTRY
17. ENERGY
18. MIMIC
20. TRINITROTOLUENE
21. SYL APPS __
22. NO FRENCH
23. LARGE SIZE
25. HEART THROB
27. AFTER AFTERNOON
30. ALREADY CHEWED FOOD
31. BHUDDHIST PEOPLE OF LAOS
33. FRUIT JUICE
34. SINGLE PREFIX
35. LOKI, MERCURY, OR HEPHAESTUS
36. THE POST OFFICE
37. FORTRAN STATEMENT
39. GIRLS ATHLETIC ASSOCIATION
40. BACKWARD VINE
41. NaOH
43. SIRE
44. STEAL A GAME
45. __ COURSE
46. REVERENCE
48. LARGE ABBREVIATION
50. A BOY'S NAME
52. ONE OF EQUUS
54. OOZE
56. PAST BEGIN
57. ON TOP
58. ONE WHO RECEIVES
59. ENIGMA

Down

1. THEORY
2. DESTITUTE
3. JAPANESE MONEY
4. LAND OF THE WIZARD
5. WRATH
6. LIVING GHOST
7. FOR COLOURING GLASS GREENISH-YELLOW
8. CERASTES
9. WRITINGS OF A.C.CLARKE
10. PERFORMER OF AN ACTION
11. PARIS' WIFE
12. LOUSE EGG
17. RECKLESSLY EXTRAVAGANT
19. CHOICE
21. STUPEFY

24. CLIP SUDDENLY
25. WITHERED
26. GUST OF WIND
28. SYMBOL OF DEITY
29. SCOTTISH MASTERY
32. __RTA, MAJOR ARTERY
38. ZAMBIAN MONEY
42. TO BE OR NOT TO BE? ___ __ NO?
46. TREE
47. EVER
49. ROYAL BRIGADE OFFICERS
51.
51. ONE OF MANY
52. CONSUMED
53. 007
55. AFTER OMICRON
57. WHERE IT'S __

4

LESS SMOKE?

Math Society is going to offer soon a plebiscite on the question of smoking in the C&D lounge. The proposed wording for the question offers two choices: 1) smoking be allowed again, and 2) no-smoking be made an official policy. I personally object to that idea because I see it as a dodge of the real issues. And the results will not have very much meaning if MathSoc really wants to act in the interests of the math students.

Let us assume that a great majority will choose the second alternative. That will only mean that most people agree that it would be nice for people not to smoke in the C&D lounge. That would not be news, because over 70% said just that in the MathNEWS questionnaire last fall. MathSoc has already responded to that questionnaire by putting up polite signs and leaving it up individual nonsmokers to try to prevail upon individual smokers to not smoke. Now of those who favor a nonsmoking room, some feel that it should be completely voluntary and some feel that MathSoc should strictly enforce no-smoking, tolerate no breach of the rule by anybody, and be prepared to physically remove persons who will not comply. But I ask you, how can you tell from this plebiscite where people stand in this spectrum; people at both these extremes will vote identically.

At this week's MathSoc meeting I tried to raise the more important issues of how do we implement and enforce no-smoking, but they did not want to discuss it very much. Then I tried to persuade them to phrase their referendum to indicate how the voters feel about these issues, and with no success. I can assume only that even if most people vote for no-smoking as the question is phrased, MathSoc will consider itself doing justice to the nonsmokers by merely elevating no-smoking from a request to a rule and by asking Dean Forbes to have a permanent sign made and add his own authority to the rule. I further assume that MathSoc will further continue to be officially indifferent as to whether nonsmokers continue to get the shaft in spite of the official rules.

If this happens, then I am certain that the small core of hardened smokers will continue to smoke, will tell nonsmokers to fuck off, will continue to defile the lounge with their butts on the floor, and before long other smokers will go back to their old habits until the lounge is as intolerable for nonsmokers as it always has been? Doesn't anybody see that happening right now?

Michael Rolle

CIRCLE AS MANY RESPONSES AS APPLY TO YOU

How do you feel about the behaviour of smokers in the C&D Lounge?
1) haven't noticed anybody smoking
2) the amount of smoke generally bothers me
3) the amount of smoke does not bother me
4) offended by ashes and butts on the floor, tables, and chairs
5) because of them I don't go there
6) they will not stop smoking if somebody asks them
7) they will stop smoking if somebody asks them
8) they are inconsiderate to smoke
9) it is OK to smoke there

Lighthouse Report

Those long awaited figures

Credits:	$ 3,160.00	ticket sales
	400.00	Federation subsidy
	250.00	Dean Forbes
	3,810.00	total credits
Debits:	200.00	deposit on hall
	30.00	posters
	88.68	posters
	225.00	Fullhouse
	276.20	balance for hall
	95.87	posters
	1,512.00	catering
	110.00	Fed.-technical services
	400.00	Chevron ads
	3,500.00	Lighthouse
	4.80	Graphic Services
	6,432.55	Total debits
Debits minus credits:	$2,622.55 loss	

ELECTION
TIME

Elections will be held on March

26

If not enough applications are turned in everything will be delayed for one week. If you are confused see mathsoc. Offices open are:

2 year regular	3 positions
2 year co-op	2 positions
3 year co-op	1 position
3 year regular	3 positions
4 year regular	3 positions
4 year co-op	1 position
vice president	1 position
president	1 position

How do you feel about the behaviour of nonsmokers in the lounge?

1) no problem
2) don't like them telling me not to smoke
3) don't like them telling others not to smoke
4) they are too passive and should insist on their rights
5) they have a right to breathe smoke-free air

What do you want MathSoc to do?
1) allow smoking
2) put up permanent signs
3) request Dean Forbes to declare the lounge a no-smoking area per University Policy 29
4) remove all ashtrays from the lounge
5) be willing to tell a smoker not to smoke if asked to do so by a nonsmoker
6) monitor the level of observance of no-smoking
7) remove from the lounge anyone not willing to not smoke and call Security if necessary
8) same as 7) except only on request of a nonsmoker
9) other ...

FICTLETICS

Good evening ladies and gentlemen and welcome to the Second First Annual Edsel Awards, this year being held in the beautiful Upstairs Room of the Hotel Kent. We have an impressive panel of judges this evening whose difficult decision it will be to choose the recipients of tonight's Awards.

Before we tell you of the Award Categories lets meet the members of that panel.

On the extreme left we have CLARK KENT, reporter for that most distinguished publication, mathNEWS. To his left sits (and lets have a warm round of applause here) the ex-lame-duck President of the Federation of Students- ANDREW P. TELEGDI. Seated on Mr. Telegdi's right is, of course, his good friend and confidante Mr. ARTHUR RAM. To the extreme right is RAYMOND THE RUBBY, who kindly consented to fill in for BURT MATHNEWS who unfortunately found it impossible to be with us tonight.

Last, but certainly not least, we have the famous Miss LINDA LOVELACE, who as we all know has been instrumental lately in representing the position of women on North American campuses.

As you glance at your programs, you may all notice that the format of tonight's Awards has been changed since last year. It has been a rather badly kept secret that Mathletics has had certain difficulties in staying within the limits of its budget. Therefore, since funds were extremely limited, we felt that, in order to maintain our usually high standards of excellence in production we would have to solicit the financial support of many of the surrounding district's businesses. In view of this fact, many of tonight's Awards have been introduced for the first time. And now, lets present the Awards.

Two of the Awards this evening shall be handled separately due to the fact that there was only one possible nominee in each category. We feel that it is a great tribute to the winners of these Awards to be chosen as the only people worthy to receive them.

The winner of the Homelite Corporation Proficiency Award for the Display of Outstanding Manual Dexterity (Chainsaw Division) is KATHY-X. Due to Ms. X's total domination of the field, the nominating committee could decide only on one name.

The second single-nominee winner is in the Daughter's of Italy Category, where for slightly different reasons, the nominating committee also found it impossible to come up with more than one name. As usual, this year ROSIE CIRCELLI wins the $10,000 M*F*A Scholarship Award.

Now on to more contested Awards.

Nominees for the C.N.I.B. (Canadian national Institute for the Blind) graduate student $1,000 Bursary are:
(1) NANCY GILBERT
(2) Little Stevie Wonder. And the winner is: NANCY GILBERT for her role as the little blind girl in Mathsoc Co-ed inner-tube Waterpolo.

Nominated for the Air Canada-Toronto Argonaut ArgoAirlift for Shattering Disappointments and Dashed Hopes Award are:
(1) Sonny Sixkiller
(2) Leon McQuay
(3) Vernon Vanoy

(4) Brian Henley
(5) Greg Barton
(6) Joe Thiesman

May I have the envelope please. The winner is: BRIAN HENLEY, of the Conestogo College farm team for MathSoc's Co-ed Broomball team, for being such a terrific broomball player that after only 1 game he was banished back to the farm team -- forever.

As a slight change in the proceedings we are going to announce the double winner of 2 different awards -- JOHN H. KRYCH. The awards were, "The Friend of Industry Award", donated by HyperActive Towing, and "The Conspicuous by his Abscence Award", donated by the MathSoc broomball team. "The Friend of Industry Award" is given annually to the person who helps generate the most revenue for a local industry. This year the nominees were:
(1) Al Romenko, of the University of Waterloo Security Service, for the revenue he generated for HyperActive Towing, by giving them the contract to tow as many of the 6000 people (who incidentally paid $7.50) as possible from last week-end's Canadian Basketball Finals.
(2) JOHN H. KRYCH, for the 3 times he had to be towed, from various places on the 401, to Waterloo.

The "Conspicuous by his/her Abscence Award" is given to the player who least often attends MathSoc broomball games. The nominees were:
(1) NINA,
(2) CINDY HARRIS,
(3) JOHN KRYCH.

Our panel of distinguished judges decided on JOHN KRYCH because nominee #1, NINA, actually did make 3 games last term and so was ruled out because of regular attendance. Nominee #2, CINDY HARRIS, was also ruled out, since her status as ex-MathSoc president dis-qualified her under Section 3.1 of the Math Society Constitution, "the President of the Society of Mathematics of the University of Waterloo is exempted from all activity, save eating and breathing, until death doth make him/her depart".

"The COACH of the Year Award" is awarded annually by Ed Good's Funeral Parlor and take-out Ukrainian food (we deliver -- food that is), to the COACH that most impressed Ed Good. This year the nominees are:
(1) The COACH,
(2) The ASSISTANT COACH.

And the winner is the COACH. Unfortunately, the COACH is not here to receive the award in person as it is very hard to move the tomb-stone over his grave site, but Ed says the Award will hang ceremoniously on his tomb-stone for all to see at Ed Good's Graveyard and Gravel pit (we also deliver -- anywhere in Ontario).

The next award donated by Goodwill Industries comes in 2 catagories. They are:
(1) "Technical Expertise in the field of surgical practices",
(2) "The Recipients of Technical Expertise Award".
The nominees in the 1st catagory are:
(1) Dr. Christien Barnard,
(2) The Medical chief of Health Services,
(3) Mr. X (no relation to KATHY-X), who left the surgical sponges in all those people who died (name deleted to protect us, as mathNEWS has no liability insurance - editor).
The nominees for the second Catagory are:
(1) COASTER,
(2) Steve Austin - $6 million.

The winners are Dr. Christien Barnard for the amazing surgical transplants done on COASTER last week, whereby his amputated arms and legs were replaced by seal flippers and a cod's tail. The surgical operations were so good that after only one week, COASTER was up on his tail and back in goal for the MathSoc broomball team.

The final award here tonight is the "Dream on little Dreamer Award", donated by the Basketball Players Union of Canada. The nominees and their dreams are:

(1) LORRAINE -- to snag a Basketball player / Hockey player / Broomball player / Football Player / ..... / just about anything that wears pants,
(2) The Asistant COACH -- to graduate,
(3) SCROOGE -- entry into Law School,
(4) KATHY-X -- MathSoc Athletics Rep.
(5) Barb Innes -- Federation President,
(6) Burt Matthews -- more money from Big Bill's Big Blue Machine,
(7) R.A.A. -- settlement of the Renison issue before the end of term.
The winner is LORRAINE.

Thank you very much for attending this terms annual awards, and I hope to see you all next term when once again Radio Waterloo will be covering this memorable event, live and in colour. This is Burt Parks saying good evening and good night, and aren't you glad I didn't sing "Here She Comes, Miss America"....... is this mike turned off yet...will someone pick Raymond off the floor and deposit him downstairs where we found him.... and oh ya, give him a few beers for his trouble....

BROOMBALL

MATH WINS 1st TWO GAMES OF PLAYOFFS

CHEVRON SAYS MATH VS. HOTDOGS IN FINAL GAME

By the time you read this, it will already have been decided which team will carry the title of "World Amateur Broomball Champion". So far, Math has had little opposition in their first and second games, winning 5-0 ,against Albert Gardens, and 4-1,against Civ-Eng 3.

Their main opposition has not come from their opponents but from dissention in their own ranks, as for some unknown reason KATHY-X was chosen as coach.

On Wednesday night they meet the Whiz Kids. The Hotdogs (who have been rated as our #1 opponents by the Chevron) have also won two games, and if they win their game on Wednesday, they'll probably be playing us for the great honour of being world calibre broomball stars.

Antical   cont'd from page 1

Another step being taken to push Antical to maturity is the construction of a new questionnaire. The present one suffers from quite a few defects. An extensive review is planned to remedy this. A draft version of the new questionnaire will be completed soon, and will be posted outside MathSoc office. Your suggestions and suggestions about the draft will be gratefully received. This is one of the trials this questionnaire would have to go through before it gets used.

Peter Lee, Antical Coodinator

YOUR FAIR SHARE

One part of the tax form which is very beneficial to the average student is the ONTARIO TAX CREDIT. The only students who do not qualify for the Ontario Tax Credit are students who are under 21, living at home, and are claimed as a dependent by someone else (all 3 conditions must hold for you to inelegible).

STUDENT RESIDENCE
If you lived in a student residence you can claim only $25. It does not matter whether you were in residence for 1 term or 2 terms during the year --- you can only claim $25.

RENTAL PAYMENTS
This is the amount of money you paid in rent for housing while living in Ontario. You can not include payments for student residence in this amount. If you paid for room and board you must exclude the amount paid for board.

OCCUPANCY COST
This is calculated by taking 20% of Rental Payments and adding to it the amount claimed for student residence.

TOTAL PROPERTY TAX CREDIT
You take the lesser of $180 or the occupancy cost and add 10% of the occupancy cost.

SALES TAX CREDIT
You can not claim this if anyone else claimed you as a dependent. The credit is 1% of your personal deductions.

DOCUMENTATION
You have to list the places where you resided during the year on the tax form. You do not have to provide receipts, however, you must be able to show them if asked to do so by the government.

EXAMPLES:
Student A : $1000 in rent
        B : $675 in rent
            4 mo. student residence
        C : $225 in rent
            8 mo. student residence

	A	B	C
20% Total Rent Payments	200	135	45
Student Residence	0	25	25
Occupancy Cost	200	160	70
Property Tax Credit	180	135	70
10% Occupancy Cost	20	16	7
Total Property Tax Credit	200	151	77

Each student then adds Sales Tax Credit to obtain the amount claimed for the ONTARIO TAX CREDIT.

Next week we will look at some other deductable items.

PULL TAB

Do you drink pop or beer? Do you save the pull tabs? Did you know that those pull tabs can serve a valuable purpose?

Circle K International is having a pull tab drive. With the collected pull tabs they are going to set the world's record for pull tab chains. Proceeds (probably from Reynold's, etc. : approx $100,000), will go to charity (probably Multiple Sclerosis). If you collect any pull tabs and would like to help, take them to :
1) Circle K office - E2-3321.
2) The boxes beside the pop machines in the residences or P.A.C.
3) MC6108

FEEDBACK

PINKIE

Dear mathNEWS:

The only trouble with living in Montreal is that it is very hard to get gridword solutions in on time. Enclosed is my solution for this week and also the questionaire from issue 7.5.

I cannot understand why all the fuss is being made about the Pink Tie. Don't those flakey turkeys understand that Pink is a color of historical significance? remember Pinkbeard the pirate; the Pink Death (in the Middle Ages); the Scarlet Pinkernel (on the distaff side); the Pink Panther; the War of the Roses (pink naturally); and partriotically - the 3rd Battalion of the Pink Watch, Royal Highlanders of Canada. And to top all this off, if our beloved Pink Tie is to be thrust into oblivion, I shall feel morally obligated to cremate my Mathie-Pink mechanical pencil.

I'm cheered to learn that the Phantom returned (even if briefly) as it was feared he had given up the ghost.

Speaking of sex discrimination at Canadian Pacific, from a careful study of the floor plans of our offices, we have discovered that the women's washroom is larger than the men's by .544921875 square feet. Another triumph for Math 229A.

In closing, for anybody who can get onto the Computer Sciences Corporation system, there is a nice Basic programmme called "**TAX75" to do your taxes for you, and it even works in Ontario.

Vive Quebec Libre
boff and Dave (and assorted rabbits)

ENJOY

mathNEWS editor:

I noted with interest the fact that mathNEWS has ceased to be a weekly -- a move that was probably long overdue! I've enjoyed my issues of mathNEWS and even noticed my name in February 7 issue. I'm glad I'm no longer "responsible to mathSoc for the money side of mathNEWS" (typical of mathSOC inefficiency?) Of course. I still read the masthead before all else and have seen that most of the old gang are still around Tuesday nights. Say hello to everyone for me.

John Peebles
(former mathNEWS editor)

SOUND OFF REPLIES

Dear mathNEWS;

I feel somewhat like a skier, who upon shouting at some far off mountain top, has been overwhelmed by the resulting avalanche. I wrote a Sound Off about poor teaching which resulted in letters from the Dean and others. These responses were cogent, however after reading them, it seems that while the first half of my Sound Off was read by everyone, no one read the last half. I will explain that feeling in the latter part of this letter, but first I wish to answer each response individually.

To the "I have a good prof" student I can only say that I have shopped around and I have found that the best teachers of second year algebra are the text and the assignments.

Professor Critch, perhaps if I wrote that Sound Off in the first week of September you might accuse me of jumping the gun. However, I wrote it during the second week of February. And thank-you for assuming I am not lazy and could understand a lecture on the subject. As a matter of fact I could understand a lecture on the subject. I do not doubt that professors here are interested in communicating with the students and I'm sure you and your colleagues meet to discuss better presentation. However, some profs have a great deal of difficulty communicating and lecturing properly, especially to large groups of people.

Dean Forbes you are right. I did not know there were so many people to whom I could take this problem and I did not know that promotions and salaries were (to some extent) determined by teaching quality. However, I can see two faults with this method of "encouragement". First of all, it is difficult to report a professor who has the one bad fault of poor teaching. One professor in particular is an absolutely rotten lecturer. However, he would (and does) go out of his way to give help when it is asked for. He gives good tests and decent assignments. He is also one of the friendliest profs I know. Perhaps Judas Iscariot could turn him in, but I like the guy and I can't. Several other persons support this view.

The other reason is quite simply, that I do not believe that this policy encourages better teaching, although it might make some profs more nervous about teaching. Prof. Critch says that he and other profs talk about better presentation. I doubt they do it for promotion. I said at the beginning that I felt my Sound Off wasn't completely read. The reason for this is that I suggested training courses for the poorer teachers, yet this was not even acknowledged in any of the three letters. Is teaching ability supposed to be some sort of inherent quality or what? Perhaps a prof is expected to become better the more he teaches. Obviously this is not so. No one can learn from a continued mistake. High school teachers, who have more time to teach less complex subjects are required to graduate from a teacher's college. Obviously, professors can't be sent away for a year to learn to teach, but I definitely feel that a few hours instruction per week would benefit more than one professor. I repeat, unless something of this nature is done (something like it is done in Engineering), everybody's time is wasted.

X - the known contributor

3-D GAME

I noticed in your paper that someone was seeking the rules for 3-D chess. If that person is still interested we have a copy in the ARCHIVES MUSEUM OF GAMES (M & C rm. 6032). Hours open are Tues. 1 - 4, Wed. 1 - 4 and 6 - 9 , Thurs. 1 - 4. We also have several books on chess.

Thank-you,

Shelly Ross,
GAMES MUSEUM

DRILLING

The fact that you feel a need to post a notice telling us about the week's news, because there is no mathNEWS this week, is surely sufficient evidence that mathNEWS should indeed be a weekly.

To repeat a comment that you didn't deign to print last time (because it was only on a questionnaire you printed, rather than unsolicited feedback??), I don't want to read mathOLDnews!

Also, why did you, when you were supposedly short of news as a weekly, manage to omit a respectable-sized news item, forcing you to put an ordinary announcement on the front page? I refer to the sounding of the math building fire alarm twice in about 70 minutes, when pneumatic drill dust triggered smoke detectors. And for that matter, when are you going to tell us why they have been drilling holes in our nice building?

Mark Brader
72040281

Editor's Comment:
O.K., we'll try every week now that we have some money.
We didn't print your questionnaire comment because we had so many others.
News needs reporters to track it down. Would you like to be a reporter?

LOVE

Just for the record, I think you guys are doing a great job, I always read mathNEWS (before the Chevron!). I would love to come out to a mathNEWS production nite; they sound like a lot of fun and I'd like to learn how a paper is put together, BUT I have yet to find a Tuesday night when I could spare that much time. This term has been the worst yet. Who were those idiots who told us second year was the worst; the workload gets lighter after that. Ha! Any way, I really appreciate your efforts. Keep up the good work.

Liz

P. S. I went to Lighthouse. They put on a first-rate, loud, rock concert. Frankly, I would have preferred traditional, polkas-waltz-Mexican Hat-Dance sort of music for a semi-formal (mixed with rock music of course.)

unCLASSIFIED

ADS

Notice: the following IOU's (Unauthorized Loans) are still outstanding:

Jim Langer $58.00
Randall Arsenault   15.00
Gary Dryden   5.00

IOU's must be paid in full to the Treasurer on or before March 31,1975. Failure to do so will result in action being taken by the Treasurer on behalf of the Society.

It's income tax time again! For assistance at reasonable rates, call 884-2486 after 4:00pm.

APARTMENT IN OTTAWA Two males needed to share 3 bedroom apartment with 2 others. Near downtown, and all major bus routes. RENT $50 per month per person. CALL STEVE 884-3898 or CHUCK 884-7609.

HOUSING AVAILABLE: 3 bedroom, 2 bathroom townhouse to sublet May - Aug. Lakeshore Village. Rent $210/month. 884-8588

SUBLET: May - Sept. Luxurious 3 bedroom apt; Completely furnished; Lakshore Village; 15 mins from campus; *IDEAL FOR STUDENTS or visiting professor and family. Rent negotiable. Call 884-1393. Ask for Mike, Rob or Sarma.

FOUND - Combination key-chain and change purse. Apply at Mathsoc office.

BOOK WANTED Desolation Angels by Jack Kerouac. If you have a copy you would like to sell phone 742-4123.

Lost -- If anyone has found a red notebook containing Math 340 notes, (lost Wed. nite, Mar 5. - probably in a keypunch room)please phone me (LIZ - 884-4834) or return them to MathSoc office. Contents anxiously wanted.

HOUSING - GIRLS! If you are living in Ottawa this summer and would like to share an apartment in Carleton University area, please phone Liz - 884-4834.

HOUSING AVAILABLE: 3 bedroom, 2 bathroom townhouse to sublet May - Aug. Lakeshore Village. Rent $210/month. 884-8588

SUBLET: May - Sept. Luxurious 3 bedroom apt; Completely furnished; Lakshore Village; 15 mins from campus; *IDEAL FOR STUDENTS or visiting professor and family. Rent negotiable. Call 884-1393. Ask for Mike, Rob or Sarma.

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BOOK WANTED: Desolation Angels by Jack Kerouac. If you have a copy you would like to sell phone 742-4123.

Mismanagement

The latest MathSoc meeting opened with Janice Shaver presenting the Treasurer's report. It was decided to pay off all debts this term rather than carry it forward for future councils to deal with. This left MathSoc with $800 which was redistributed among Antical, CSC, Mathletics, education and mathNEWS. Even with the redistribution, mathNEWS was still overbudget by about $40.

The Treasurer's report also revealed the outcome of the semiformal. The details of the $2622.55 deficit are shown elsewhere in mathNEWS.

The C&D manager, Gary Prudence, gave a report stating that C&D had money left over. He offered to supply some dollars towards worthy MathSoc activities. This offer was accepted by MathSoc.

Peter Lee then talked briefly (typist's comment--- briefly??????) about the upcoming anti-calendar survey. It will be held March 18th through March 25th.

The discussion then moved on to whether we should hold a smoking plebiscite. This plebiscite would indicate whether students wanted it to be a rule that there be no smoking on the C&D side. Opinions among the council members varied widely. Janice Shaver felt that "this is a good idea" while J.J.Long expressed the idea that it will "not be of much use". Andy Haycock was forced to call for order several times and the motion was finally PASSED(7-2-1).

The council then dealt with mathNEWS. It was reported by Dennis Mullin that mathNEWS was overbudget even with the reallocation of funds (another $100). Janice Shaver thought that mathNEWS was guilty of "mismanagement". Peter Lee offered the opinion that mathNEWS was a "great service, and should be highly commended whether they are competent or not". Jim Langer proposed that mathNEWS be given $125 from the C&D money for one last issue. After much discussion the amount was increased to $325 for the rest of the term PASSED(9-1-0).

Howard LeBlanc then asked for $150 from C&D so he could put on the movies that he had planned for April 2. The council approved this.

J.J.Long asked that $200 be donated to the Mike Moser fund. It was suggested by Mike Rolle that all of C&D's profits should go to the fund. After further discussion $100 was donated.

The next meeting will be on March 25 in MC1056. All council members should appear.

soundoff: BUSING

If anybody remembers, last fall there was an article complaining about the useless bus 'shelters' some clown figured were better than the functional types the Get Around Gang has. The pair still adorn our campus, and are just as bad as everybody hoped they wouldn't be. No shelter on three sides, and frozen ankles from the fourth. The only redeeming factor about the things is a bulletin board on the minute fourth side.

A suggestion to Mr. Administration: why not do something with the boards, instead of waiting for the Feds to decorate them.

My suggestion is to mount a bus schedule, behind plexiglass, on the infernal monstrosities somewhere, so we don't have to suffer from the illusion we are sheltered for too long i.e. we could go hide in south campus hall or in the Villiage one dining hall entrance to await the bus. It isn't as good an idea as tearing the things down and building functional shelters, like the ones Sudbury Transit, GO Transit, and Kitchener Transit, to name a few, use, but it would be a small improvement.

BLOODY COWARDS

Are you afraid of needles? Are you afraid of blood? Are you a coward? It doesn't matter, you can still give blood at the Red Cross Blood Donor Clinic Tuesday March 18 to Thursday March 20 (9:30-4:30). Once again the math lounge will be the site of that heart-rending spectacle.

Traditionally Math has had the best turnout for this event (Engineers usually get lost trying to find the Math building). However, it has been rumored that Engsoc is going to hire a guide to ensure that some of the engineers reach the math building. This means that there may be stiffer competition for the blood bowl this time than usual. So, for Math's sake (not to mention the poor shnook that needs the blood) get out and give.

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