Beer and Bußßly Bestowed....
54% of MATH·O·GRAM entrants WIN!

During the week of September 14, the Math Orientation Committee sponsored a "walking road rally", better known as the MATH-O-GRAM contest, for the Math Frosh.

Those competing were to divide themselves into groups of two and collect different pieces of information,(one number and one colour), from each of 18 buildings on campus. With this seemingly meaningless data, the participants were to do a certain amount of figuring and end up with 18 other numbers, each representing a letter of the alphabet. When these letters were placed in the proper order, they spelled out the final answer: MATHEMATICS SOCIETY.

However, to have an "absolutely correct" answer, participants had to have the final answer, as well as the 18 numbers and colours collected from the buildings, correct.

Out of the 700 MATH-O-GRAM entries distributed, 35 solutions were submitted to the MathSoc Office. Of those 35 groups,(70 individuals), 19 were winners of bottles of champagne or cases of beer. Orientation Chairman Don Ablett said that the contest was "fairly successful."

The grand prize winners of a magnum of champagne were Lorne Connell and Keith Pybus. Other winners of various amounts of booze were: Rob Menard & Walter Bauer; John Mason & Kris Sri Bhagiadtatti; Willie Lutha & Jim Maraz; Bert Keine & Alvin Bennett; Dave Sass & Judy Watson; Stephen Cope & Allison Walker; Steve Graham & John Vrysen; John Whitworth & Wayne Copeland; Everett Rourke & Rick Lohr; Susanne Hacke & Helen Hojka; Cam Conacher & Paulette Johnson; Bruce Atchison & Helen Brydges; Anne Marie Nilson & Kathy Davies; Bill Pristanski & Brian Robinson; Barry Watts & Bill Evens; T.G. Arnott & W.J. Taylor; Daniel Yan & James White and Joe Quinsey & John Sloane.

VOLUME 3.2
FRIDAY, SEPT 28, 1973.

D.Y.G.W.I.S.F?

Tours of the EMS Library (4th floor Math & Computer Building) will be conducted Monday to Friday October 1-5 at 10:30 and 2:30. The tours will leave the recption desk, and will be approximately 20 minutes long. There will be demonstrations of how to use resource material, how to find course-reisted materials, where to find mathematical tables and solutions to problems, where to find the washrooms, and other information which, according to an unimpeachable source close to the reference desk, will be valuable to the student, both before, and after graduation.

The library has facilities for studying, Xeroxing, and socializing (quietly). It's open 24 hrs a day during the week.

BY- ELECTIØNS

There will be a mathematics council by-election on Wednesday, October 10 for the following positions:
1st year (co-op or regular) reps -3
2A (co-op) rep   -1
2nd year (regular) rep   -1
3rd year (regular) reps   -2

According to Randall Arsenault, Chief Returning Officer, "There's been a tremendous response from first year", but as yet there have been no nominations for second year co-op. Mathsoc has given Arsenault a budget of up to $125 for the election. This includes a $5 campaign allowance per candidate.

Nominations close 4:00 PM, Oct 2, 1973, not 5:00 PM Oct. 3, 1973 as was reported to mathNEWS for the last issue.

mathNEWS tabled...

MATHSOC MEETING

Mathsoc's second meeting of the term was held Tuesday afternoon in mathNEWS' office (M & C 3011).

Following the approval of minutes and additions to the agenda, business began with a request by Janie Kupka, 4th. year co-op teaching, to be appointed "official investigating committee" to look into the possibilities of a grad party for the 400 math undergrads expecting to graduate this year.

Don Ablett, orientation chairman, reported that between $700 and $800 was spent on math orientation of which $500 comes from the Federation of Students. Ablett noted that the wine and cheese parties were "very successful", attracting over 300 people for the two evenings. The frosh - meet - the - faculty affair did not fare as well. Of the 950 frosh, only 70 appeared whereas 25 faculty members were in attendance which Ablett noted was "extremely good considering faculty usually don't turn out for that sort of thing." The Math-0-Gram was termed "fairly successful" and the foolish follies "a flop".

The treasurer announced that $2023 is left over from last year with the anti-calendar and a "few other things" yet to be paid for. Mathsoc has received 60% (almost $5000) of its society fees.

Carl Chaimovitz, social director, reported on the Board of Education. Among his remarks: blue cards have been issued to society presidents which allow them to get in free to any society event; during the first half hour at pubs, students (U. of W., Conestoga) only will be admitted; the first Mathsoc pub is Saturday, Sept. 29, with Touchstone; Mathweekend is scheduled for Nov. 15 through Nov. 17 with Leigh Ashford, Mackenzie and Brutus booked for the three pubs; the Federation has concerts planned with Bruce Cockburn (October), Murry McLaughlin (early November), Gordon Lightfoot (Nov. 15), and Frank Zappa (Nov. 18).

Under "Old Business" Paul Armstrong, coffee and donuts manager, informed the council of loans outstanding to Mathsoc in the amount of $670 (due to loan of $170 over the summer plus two thefts during the winter term.) Vice President Andy Haycock solicited two volunteers (Peter Lee and Peggy Macmillan) to act as temporary reps at a S.A.C. meeting on Thursday Sept. 27.

A tentative budget was distributed so that members could look it over and prepare to discuss it at the next meeting. In further "new business" council approved a motion to allot up to $125 for the upcoming by-elections.

Chris Avent, Engsoc vice president, informed council that his society has investigated buying calculators in quantity for sale to students at a discount. Available is model TI2500 with four functions for $65 and model SR-10 with seven functions for $91 (Eaton's price $169.95). Council passed a motion to accept orders for the machines on behalf of Engsoc.

Finally, since the budget has not as yet been approved, it was decided to grant mathNEWS sufficient funds to put out its second issue. A motion to table "discussion on mathNEWS content" ended the business.

Before adjournment, speaker Jim Langer announced that, in order to cut down on wasted time during council sessions, future meetings will be held strictly (ie. members will stand when giving reports, raise their hands to be recognized by the speaker, and a speaker's list will be kept).

Senate Rep Raps...

IMPROVED CAL

Note: In response to mathNEWS' request, math undergrad senate rep. Bruce McKay submitted the following report.

Well, as almost everybody finally has their timetable free of conflicts, we are already looking to next time. Only next time you may stand a better chance of getting the course you wanted. Why? Because next year instead of getting your Calendar after you've pre-registered, after you've registered and even after your classes started you'll get it in March at pre-registration time. Terrific, but what about the course in the Calendar that after a dozen trips to Economics, you suddenly discover that it isn't being offered, in fact it hasn't been offered for five years. Well that course, my friend, will not appear in the 1974-75 Calendar. It is interesting to note that in the previous two years there has been a 25 to 50% discrepency between the Calendar and the Actual Course offerings. The Registrar stated that the reason the current was not studied - would you believe it - was because the Calendar was not then available. What caused this miraculous improvement? Senate ignored the pleas of some faculty and students that the need for change was urgent and instead seemingly killed the move by a referral motion. However the five students on Senate did leave an impression with the powers that be by flatly stating that the Calendar produced this year was absolutely useless. Within a week, Drs. Matthews and Petch ordered the Calendar produced by March 1. The innacuracies of previous years will hopefully be whittled down. Also, there are plans to print an update brochure for the Calendar for distribution with your timetables in August.

Bruce McKay

and this week...

FRIDAY, SEPTEMBER 28

9:30/1:30   E.M.S. LIBRARY TOURS, 4TH
            FLOOR OF M&C BUILDING.

1:30   TONY VAN BRIDGE-THE WIT AND
            WISDOM OF G.K. CHESTERTON,
            THEATRE OF THE ARTS.

8:00   FED FLICKS - FISTFUL OF DY-
            NAMITE & GAILY, GAILY,
            ARTS LECTURE.

8:00   K.S.A. ROLLER SKATING PUB,
            GLENBRIAR CURLING CLUB.

SATURDAY, SEPTEMBER 29

1:30   WOBBLY WEEKEND WORKSHOP,
            CAMPUS CENTRE PUB AREA &
            LOUNGE.

8:00   FED FLICKS - FISTFUL OF DY-
            NAMITE & GAILY, GAILY,
            ARTS LECTURE.

8:30   MATHSOC PUB WITH TOUCHSTONE,
            FOOD SERVICES.

8:30   CAMPUS CENTRE PUB WITH LESLIE
            & MARIE, C.C. PUB AREA & LOUNGE.

SUNDAY, SEPTEMBER 30

2:30   ART GALLERY FILM - HISTORY
            OF NOTHING A PHANTASY,
            THEATRE OF THE ARTS.

8:00   FED FLICKS - FISTFUL OF DY-
            NAMITE & GAILY, GAILY,
            ARTS LECTURE.

MONDAY, OCTOBER 1

9:30/1:30   E.M.S. LIBRARY TOURS, 4TH
            FLOOR OF M&C BUILDING.

TUESDAY, OCTOBER 2

9:30/1:30   E.M.S. LIBRARY TOURS, 4TH
            FLOOR OF THE M&C BUILDING.

11:30   'BLIND MEN' DIRECTED BY MAURICE
            EVANS, THEATRE OF THE ARTS.

            DEADLINE FOR NOMINATIONS FOR
            MATHSOC BY-ELECTIONS.

WEDNESDAY, OCTOBER 3

            SAME   AS   TUESDAY!

THURSDAY, OCTOBER 4

            SAME   AS   WEDNESDAY!

FRIDAY, OCTOBER 5

            OKTOBERFEST   BEGINS!

12 noon-   PUB IN THE CAMPUS CENTRE
1 a.m.   GREAT HALL & PUB AREA,
            BAVARIAN OOM-PAH-PAH BAND.

the phantom reports....

After a tiring though somewhat bothersome week, I am totally amazed that there is quite a bit of interesting trivia to report. Maybe I'll tell you about it some day. In the meantime, you might note that the Computing Centre has (almost) learned to live with that puddle of metal the generator turned into... there has been no noticeable deterioration in service, but then that _would_ be difficult... (as an aside, note that the reason the APL GENERAL accounts were locked out over the summer was that everyone in Math who had the authority to keep them running went on vacation, en masse.)

There are rumors that somewhere deep in the bowels of the Math building there is a SUPER-TERMINAL. It is a CRT with a programmable character set and handles both ASC II and Correspondence Code. It can also be plugged into a television and use that as a screen. Of course, it _costs_ about _one_ _tenth_ as much as these decrepit 2741's you stumble over all around the building. (I'll let you guess what your chances of seeing one of them is.)
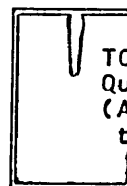
On a more timely note, consulting for 132, 122, 112, and 240 began last week. As yet there are few recorded instances of anyone needing any help with 132, 122 or 112, but a busy traffic in 240's ALGOLW assignments. The consultants for 132 are generally doing more 240 consulting than the 240 consultants. Oh well...

Anyone who wants to waste their time contacting The Phantom can do so through either the APL mail system, "666 MAIL" or "555 MAIL", preferably the former. I'm prejudiced, especially since the time "555" was saved without being sealed (Anyone wishing a copy should contact me in "666 MAIL").

You might also note that the Honeywell 6050 has a "mail" system too. And you can send to mathNOOS (so who said the 'Bun could spell).

So much for this week.
....
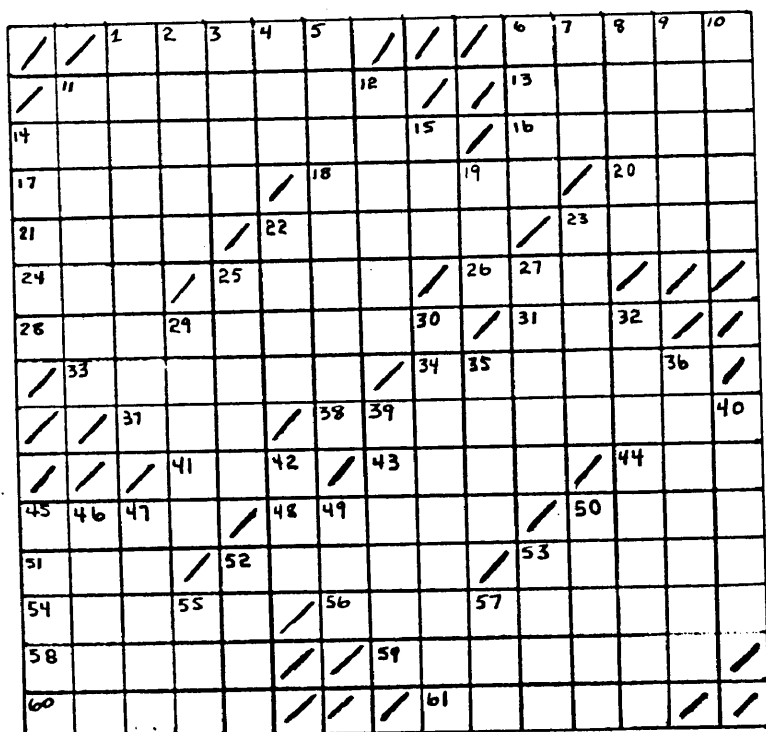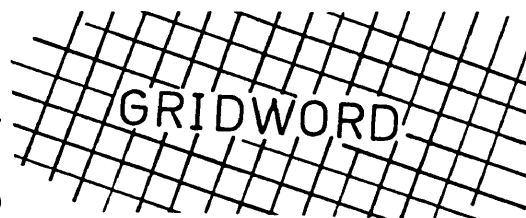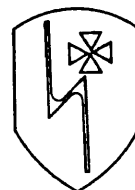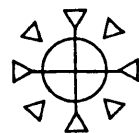   !

" TO WCWINCE: Honeyapple's
" Quote-quad is a total failure.
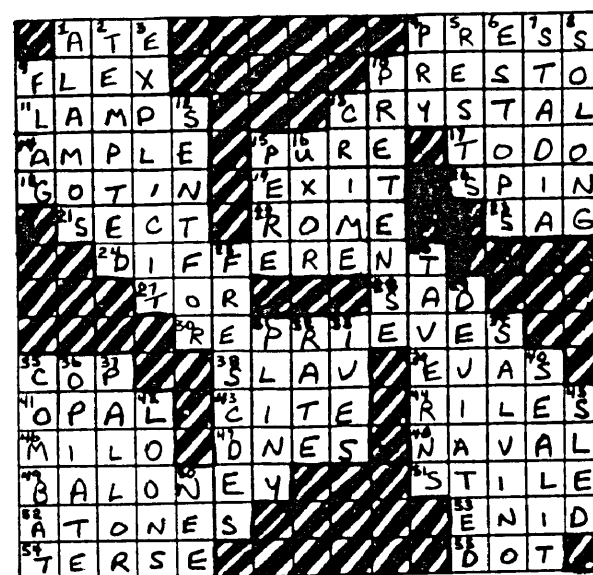" (And the comma doesn't work
" too well either !!)

!wait

ACROSS →

1. Kisses
6. Fishing equipment
11. Mathematical term(pl.)
12. Divided
14. Punishment to a high schooler
16. Spokes
17. Prevent
18. Eerie
20. King beater
21. Miniature
22. Word with noon & wards
23. Some chicks wear them
24. This is difficult to do well in the Village
25. Bargain time
26. ___ END
28. Tough problems
31. Mont Blanc, eg.
33. "It is far _____ for a camel ..."
34. Games room, in the "Good Old Days"
37. It disappears when you stand up
38. Sailor's pet peeve
41. Female name
43. Bugs
44. __ __, I said
45. American Indians
48. Men
50. __ __ girl!!
51. ___ Populi
52. Beans
53. Goodbye, Senor
54. Par
56. Choices
58. I hear (Latin)
59. Preset amounts
60. Shabbily dressed
61. 24 quires(pl.)

1. Possible
2. _____ board
3. Isn't able
4. ___ Carson
5. Cold sufferers
6. Bird
7. __ __ tree
8. _____ O'Reilly
9. Female appellation
10. Pigpens
11. Vary
12. Card _____
14. Palm fruits
15. Margaret Trudeau, ___ Sinclair
19. Modern ___
22. Eel (Germ.)
23. Beer _____
25. _____ class
27. Damages
29. Ivan & Peter
30. Mustang, for one
32. Posts
35. Large boats
36. Argues logically
39. Fixit man
40. Collect
42. Often inflated
45. Part of the eye(pl.)
46. Winter hat
47. Draw out of
49. Finale
50. Odd point of grammar
52. Sate
53. Russia, Turkey, China, etc.
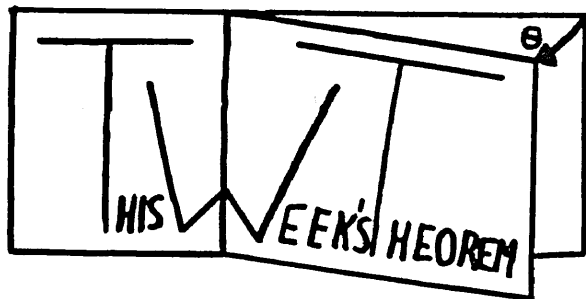55. First ___
57. Suffix meaning native of

GRIDWORD

LAST WEEK'S SOLUTION

GRIDWORD COMMENT

This week's gridword is courtesy of Norm Macdonald.

The winner of the last Gridword was Pat Vuurman. Runners up were Anne Mallon, Judy Demaine, Rosemary Goudy and Ardi Thornton (A group effort. Question: How do you wear a quartered T-shirt?)

RULES: All solutions must be in the MathSoc office by 5PM Tuesday, October 2. There will be 1(one) T-shirt awarded each week. The winning solution will be picked at random from all correct answers.

Prove: 1=0

Proof:

Consider $\int \frac{dx}{x}$

We integrate by parts:

Let $u = 1/x$ then $du = -1/x$
$dv = dx$ then $v = x$

Then

$\int \frac{dx}{x} = 1 + \int \frac{dx}{x}$

Subtracting $\int \frac{dx}{x}$ from each side we get $1=0$ as required.

GENESIS

- Chapter 1 -

1. In the beginning Euclid created space.

2. And space was without structure, and void; and darkness was upon the face of deep space. And the spirit of Euclid moved.

3. And Euclid said let there be lines: and there were lines.

4. And Euclid saw the lines, that they were good: and Euclid divided the lines with points.

5. And Euclid called these lines rays. And the extent of the line was the first axiom.

6. And Euclid said let there be planes, and let them divide the points from the points.

7. And Euclid made planes and they divided the points which were under the planes from the points which were above the planes: and it was so.

8. And Euclid called the planes flat. And the evening and the morning were the second axiom.

9. And Euclid said let the points be gathered together unto one place, and let solids appear: and it was so.

10. And Euclid called the solids real; and the gathering together of the points he called space; and Euclid saw that it was good.

11. And Euclid said, let the space bring forth segments, the segments yielding fruit after their kind whose seed is in itself: and it was so.

12. And space brought forth segments, yielding segments upon segments to make number lines: and Euclid saw that it was good.

13. And the evening and the morning were the third axiom.

14. And Euclid said let there be orbs in the firmament of space to divide the inside from the outside and let them be signs for the seasons, and for days, and for years.

15. And let them be for gems in the firmament of space to give delight upon the earth: and it was so.

16, 17, 18. And Euclid made two great orbs the greater orb to rule the firmament and the lesser orb to rule the planes: he made the triangles also: and Euclid saw that it was good.

19. And the evening and the morning were the fourth axiom.

20, 21. And Euclid said let the points bring forth abundantly parallels so that alternate interiors are forever equal. And Euclid created great cubes, and squares, and every parallelogram that cometh, which the points brought forth abundantly, after their kind one upon another: and Euclid saw that it was good.

22. And Euclid blessed them, saying, be fruitful and multiply and with parallelograms and parallelepipeds fill the planes and space.

23, 24, 25. And the evening and the morning were the fifth axiom.

26. And Euclid said let us make a Mathematician in our image, after our likeness: and let him have dominion over triangles and over circles, and over spheres and over cubes, and over all of space, and every constructable subset that is constructed out of space.
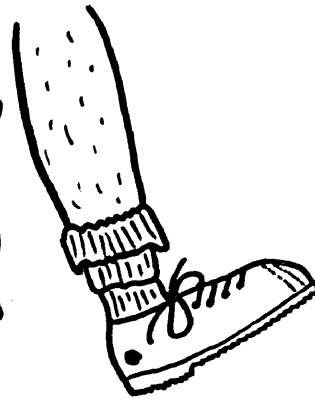
27. So Euclid created a Mathematician in his own image, in the image of Euclid created he him; great and small created he them.

28. And Euclid blessed them, and Euclid said unto them, be fruitful, and multiply and prove theorems and subdue them: and have dominion over triangles, and over spheres, and over every set of points that cometh out of space.

29. And Euclid said Behold, I have given you every set bearing proof, which is on the face of all of space, and every set which is the fruit of a set yielding proof; to you it shall be for theorems.

30. And Euclid saw everything that he had made, and, behold, it was very good. And the evening and the morning were the sixth day.

math ETICS

This is just a reminder for all mathies to shuffle your athlete's feet up to the bulletin board across from the 3rd floor lounge to sign up for any or all of the activities posted.

Whether it be individual events or team sports, there'll be keen competition for the jocks in our midst. As well, there are activities geared for anyone interested and willing enough to get out once or twice a week to work up a sweat and burn off some of those excess calories.

SPORT	ENTRY DATE	LEAGUE STARTS
CO-ED VOLLEYBALL	TUESDAY OCT. 2	MONDAY OCT. 8
FLOOR HOCKEY	THURSDAY OCT. 4	APPROXIMATELY 1 or 2 WEEKS AFTER ENTRY DATE
CO-ED SQUALIBALL	TUESDAY OCT. 9	
CO-ED INNER-TUBE WATER POLO	WEDNESDAY OCT. 3	
BALL HOCKEY	WEDNESDAY OCT. 3	

math SOCCER schedule

DATE	TIME	MATH VS.
Thurs Sept 27	4:00-5:00pm	Env Studies
Wed Oct 3	6:00-7:00pm	CDN Connection
Thurs Oct 4	5:00-6:00pm	Parta Ola
Mon Oct 15	5:00-6:00pm	Professionals
Wed Oct 17	4:00-5:00pm	V1 North
Mon Oct 22	4:00-5:00pm	3B Chem Eng

All games will be played on Columbia #4 except for Wednesday, October 7.

Professor McGee:

Prof of the Week

If you want to be interested in a lecture, and learn while enjoying it, go to one of Professor McGee's classes. The method of presentation is thorough, and humorous. Where else do you learn how a lion slips, which prof. has bananas and a spare tire swing, and the epsilon-delta definition of a limit all in one week? Bits of a joke lesson are thrown in now and then, just to make sure you're paying attention (which you usually are, anyways).

Professor McGee is a Canadian-grown product, born in a manger, in Mimico, Ontario, on November 9, 1937. (You must excuse some of the bits of satire that are thrown in now and then. Prof. McGee made a few "terse" notes, the flavour of which will spice up this column.)

CREW-CUT SCHOLAR

He obtained his B.ASc. in Engineering Physics from the University of Toronto in 1960: then came a detour to a modest little place, the University of Waterloo, from which he received his M.Sc. in Applied Mathematics in 1961. His Phd. he received from Yale University in Theoretical Physics in 1965. He came back to U. of W. from a post-doctoral position at the University of Wisconsin in 1967 (with a crew-cut), the year in which the Mathematics department became a Mathematics Faculty.

Prof. McGee is currently associate professor and associate chairman of the department of Applied Mathematics, and an honourary fellow of St. Paul's College.

MENAGERIE

He is married with three little tax exemptions: Lisa 9, Allison 7, and Susie 5 years old. He is a long-suffering male in an all-female household (actually, he loves it), complete with cat, guinea pig, turtle, and about 400 tropical fish. (The turtle, however, is believed to be a homosexual.) Other abiding interests of his life are squash, horse racing, and guitar.

SUPERFICIAL COMPETENCE

On the whole, the students entering university now seem to know more than students of five years ago. However, their knowledge appears as a superficial competence in many subjects rather than a deep understanding. The loss of standardized grade thirteen exams has presented many problems for the teaching of first year courses. It is clear that there are many more students in honours programmes (vs. general programmes) than there ought to be.

He is very concerned about the quality of instruction to undergraduates. Only the very best teachers should be permitted to handle first year courses.

That is about all. As you can see, Prof McGee is a professor "for the students", believing that the amount and quality of what we learn depends largely on the amount of work we do.

He believes that this university has the potential for being one of the best for obtaining an undergraduate education in mathematics, although the quality will be inhibited if it gets much bigger.

solution holds key to prize

Because locker 335 in the M & C building has been vacated, in fairness to all a contest should be set up to decide who obtains the locker. Each number corrosponds to some letter in the alphabet. Confucius say: 2 16 3   12 23 4   1 24 11 20   24 3   22 1 16 8 8   23 4 10 8 20   19 7 20 8 8   24 3   17 16 8 20 2 20 3 9.
Drop all answers into the mathNEWS file in Room 3038. The winner will be announced shortly.

Math 349 - STATS

Attention Co-op Students!

Will you be here May-Aug '74? Have you taken M233? Are you interested in taking Math349? There is a possibility that this course will be offered if we have enough people interested.

Academic Calendar Description:

349 Applied Statistical Analysis

Review of Normal, t, Chi-squared and F distributions and their applications. Introduction to design of experiments and surveys. Analysis of Variance. Multiple Regression.

MathSoc's Antical Description:

349 General Evaluation

Enthusiastic students took this course because of interest. The work load was heavy and some fell behind. Most desired a tutorial hour to ease the frequency and difficulty of assignments.

If you wish to take this course, please sign the list posted on the 3rd floor bulletin board opposite the lounge. Please note that this course is normally offered only in the winter term, so unless we can get it off the ground now, we won't get it until 1975!

FEEDBACK:

Brillinger's doughnuts

mathNEWS,

"The Good, the Bad, and the Ugly" thanks Mathsoc for the doughnuts for MathStart. Since Pete Brillinger did the work behind the doughnuts, I think he deserves an apology.

Don Ablett

FREE!

A free T-shirt will be awarded to the person submitting an original gridword which mathNEWS uses for publication. To submit your gridword either 1) drop around to MC3011 Tuesday nites OR 2) drop it in the CAMPUS MAIL (no stamp needed) addressed to Dennis Mullin 216 -S4 Village I OR 3) MathSoc Office.

TOUCHSTONE

Mathsoc social director, Carl Chalmovitz, has informed mathNEWS that the first math pub of the term will take place this Saturday evening, September 29. The doors at Food Services open at 8:30 p.m. with admission 50¢ for Mathies. Touchstone is the band booked for the night.

CLASSIFIED

—FOR SALE: Varied and sundry 2nd & 3rd year math textbooks for sale at popular prices (as opposed to the unpopular bookstore prices).
  Call Pat Fallon 579-8344
—WANTED: People who know anything, or are willing to run a car rally for mathsoc, come see me at M&C 3038. Carl.

Odds & Ends

Around Campus

In case you didn't notice, the campus has been swamped with bikes this fall. And despite the addition of new bike racks it is rather difficult to get parked at times.

Over last weekend a number of VW's on campus were violently attacked and had their windows smashed in. No arrests had been made at the time of this writing.

Rumors have been floating about that pink ties are going to reappear on campus in the near future.

The President of the Camera Club is Mike Manett (884-1839).

If you want to contact mathNEWS all you have to do is sign on to one of the Honeywell terminals in MC 3018 and do the following:

```
SYSTEM ?mail mathnoos
. type in the message. Press
. return on a blank line to
. end.
.
message sent
SYSTEM ?bye
```

To those who left early: consider yourselves lucky (little did we know when we ordered our pizza that Pizza Palace finds itself over-stocked in hot peppers) ... a special thanks to Miss Oktoberfest of Toronto 1972 and Hamilton (honourary) 1972 for helping out (we kid you not) ... thanks from Dave to the person responsible for the foot ... Tonight we were: Dennis Mullin, Pete Raynham, Dave Wawrykow, Andy Seibel, Claudio Zullan, the Phantom, Dave Brown, Jan Verster, Randall McDougall, Barb Maine, Paul Armstrong, Ingrid Splettstoesser and John Peebles.