

renovating the dungeon

PRIZES prizes SUR PRIZES



It seems that someone, somewhere, has decided that the math building should be redecorated... This (we hear) was scheduled for September but from the smell of paint and oddly different colour scheme in some of our favourite rooms, we have concluded that they are already hard at it... The general scheme seems to be: yellow stays yellow and other things go either off-white or "Brownish" (Early American Drab?). At any rate the result is the following contest to be explained by the Mathsoc's Social Director:

Math building classrooms and lounges are scheduled for painting this summer. Physical resources have asked us to submit suggestions for the third floor lounges, the south central staircase (between the lounges), the second

floor keypunch rooms, and the MATHSOC office. Current plans call for the walls (not the vinyl panels or ceilings) to be painted an 'off-white'. That colour is ideal for graphic designs, paintings, photographs, murals etc.. We need your ideas to brighten the decor. MATHSOC will award T-shirts for any idea, suggestion or design chosen by physical resources. Detail your plan and drop it off in the MATHSOC office along with your name and phone number.

No idea is too outrageous. If you would like to see carpets in the keypunch rooms, we can ask.. The central staircase is an ideal location for a graphic design.. Suggest colour schemes for the columns in the lounge.. Whatever, please describe your idea in sufficient detail, and don't wait too long; the painters have already started on the classrooms.

Andy Elliott - Mathsoc

Friday, May 23, 1975
ISSUE 8.2

math NEWS

CC COURSES:

SPSS and the Terminal Systems...

In many cases, the time you spend preparing and submitting jobs to the DEBUG or BATCH Service and retrieving the output from such jobs can be reduced considerably by doing these tasks through an interactive terminal system. Working in this fashion, you can use a typewriter or display terminal to create disk-files, enter programs and data and store the information in a file, update the contents of a file, submit it for processing, inspect the output before it is actually printed or punched and list it at your terminal, delete it, or send it off to be printed or punched. In this way, you can do a large part of your computing from your office, your home, or the terminal room closest to you, without ever having to come to one of the input/output areas on campus.

There are two such productivity aids running on the IBM 360 Model 75. There is an introductory course in each being offered by the Computing Centre in the near future. They will discuss some terminology and JCL (Job Control Language) and familiarize the beginner with the basics and capabilities of the system...

Some knowledge of JCL and some programming experience will be required for either course.

An Introduction to WYLBUR will be given on May 27 and 29 at 3:30 to 5:00 p.m. under the instruction of Wayne Fowler.

An Introduction to WITS will be conducted by Roger Watt on June 3 and 5 at 3:30 to 4:30 p.m.

An Introduction to APL/CMS will also be given. APL is a very powerful interactive programming language, particularly suited to mathematical, statistical and scientific problems. It can be used either as a desk calculator or to execute user-defined functions. Numerical computations are extremely simple and most operators can be used with vectors and matrices as well as scalars. A comprehensive library of useful functions is also available to the user.

The topics covered will be divided into two sections. The first two lectures will introduce the basic concepts of APL. The last two lectures will deal with NEW features of APL/CMS not available in previous versions of APL. The concept of shared variables and system functions will be discussed and illustrations of the CMS file system and several new operators will be given.

The instructor for the course is Raymond Raw, and it will be given at 3:30 to 4:30 p.m. on May 26 and 28, and June 2 and 4.

There will also be an introductory course in SPSS (Statistical Package for the Social Sciences) offered May 27, 28, 29, June 3, 4, and 5 from 2:30 to 3:30 p.m. under Gord Fazil.

The course is intended for people with no computing knowledge or experience. Exercises to be run on the computer will be given as an aid to learning the language.

If you wish to attend any of these courses, then register by contacting Dianne Hart, the User Services Secretary, in M&C2008 (ext.3271).

heat resistant

BURLOAF

Issac Asimov stated three criteria for robots. The secondary one was: A robot must do whatever a human asks it to. (The primary one was: A robot will not harm, or through inaction, allow harm to come to a human.) Using this criteria, if you were a robot, what would you do if given the following command: "Get Lost! -- And once you're lost, phone me and tell me where you are." (Purposely getting lost in a place with no telephone is not a legitimate response because then the command cannot be completed and you're not doing what you were told.)

For all you philosophers, there is this question: Build a robot that simulates some human emotion (such as love). I.E., presented with a set of circumstances, the robot will do the same thing the person would when driven by this emotion. Question: Is the machine experiencing the emotion, or just simulating it, and if it's just simulating it, what makes the difference between the person experiencing the emotion and the machine's simulation.

There is the story about a robot built at MIT by the people working on artificial intelligence that was capable of becoming "hungry". When the machine felt its batteries getting low, it would wander around the building looking for a wall socket to plug itself into to get recharged.

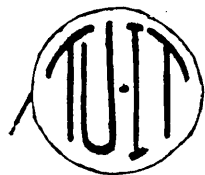
I've been asked to put in a plug for the Chess Club. They hold their meetings in room 113 in the Campus Centre every Tuesday night at 7:30 PM. As you may suspect, they get people together to play chess. They also organize regular and speed tournaments among other activities. Also there is the possibility that they will send a team to play in the Pan-American Inter-Collegiate Chess Championships.

Anyone can join the club, you don't have to be a master or anything (they'd probably even let me join). If you're interested in chess, it's a good place to be.

Remember that the deadline for dropping courses is June 30 !!

This Week's ^{Witty} Gag

As this week's booby-prize we are pleased to present you with one of the miracles of the modern age... the round (disk-like to the hacks in the audience) tu-it. And here it is:



Now you can do all those wonderful things that you always wanted to do but never could because you'd never gotten a round tu-it... (are you gagging yet???)

Speaking of chess, you may remember, last summer, the University of Waterloo held the F.C.C.C.C., or the First Canadian Computer Chess Championship. The CSC ran the tournament, in which several computer programs from Canada and the U.S. were entered. U of W's program, Ribbit, won the championship. (Full details are in some mathNEWS from way back when.) This year, the championship is going to be held at the University of Calgary, and Treefrog has been invited to defend its title. (Treefrog is the program's new name. The author of the program has a dislike for the name Ribbit, and a greater dislike for the person who gave the program that name.) Right now, the chess team is unsure whether it will be able to attend. It still is looking for funds to send the team of Ron Hansen and Russell Crook (or someone else, depending on circumstances) to Alberta.

A new feature coming to 'Bunland is the encrypted password. Normally, passwords are stored "as is" in the system, so that if you can get around security to the password, you can know it immediately. Encrypting the password means that when a password is initially set, it is treated as a bunch of numbers and run through an encrypting function to give another set of numbers which is saved in the system. The feature of this function is it's virtually irreversible. This means if you can break security, all you will find is some gobbledygook that is practically meaningless. One of the two passwords required to Master has been encrypted, which means now the Hacks can't find out the password and log on, as has been possible on odd occasions before. However, the Hacks think they have found a way of getting the password. It is called the "Smirnoff bug" and is dissimilar from most bugs in that the weakness is not so much in the system as in one of the employees of the MFCF who knows the password, but won't tell.

A particular command available to TSS users, beginning with an "F", has been modified. In older days, you used to get a snarky message and sometimes you were signed off or something similar, depending on whom you wished the command to be executed. Now all that happens is the system types out a curt "logical disconnect". To show that the Honeywell is not totally without scruples, try typing "MASTURBATE" to the "system?" prompt.

A tidbit of trivia: Haggis, the food loved and cherished by all Scottish people everywhere, was not invented in Scotland, but rather in ancient Greece.

maTHeft

On Friday, May 16, Ye Olde RigId Tool was stolen from MathSoc's trophy case on the third floor in front of the Lounge. This was believed to be the work of the n-Jineers. However, on Monday the 19th, the trophy case was broken into again and some MathSoc T-Shirts, which were on display, were stolen.

The incident has been reported to security and MathSoc intends to prosecute.

mathSoc at work

There have been 2 mathSoc Council meetings since the last issue of mathNEWS. The first was held Tuesday, May 13 in M&C3011 and was chaired by Rag White. It featured a report from Social on planned Summer events which could include a math Weekend, the Annual Eng-Math Beach Party, maybe a Golf Tourney, a Bike Rally (there were 2 entrants when this event was held last year) and even some scalped Eng-Semi-Formal Events. It was also noted that the chairpeople of the Board of Entertainment and the Orientation Committees has resigned.

The Election Committee proposed a \$30 budget. (It was noted that old Election material could be found under social).

It was reported by the rep. to the Student Advisory Council to the department of coordination that the co-op system is soon to be revised.

The question of voting powers of off term members was indefinitely deferred.

It was announced that WLU now has a No Smoking policy.

The second meeting was held on Tuesday, May 20 at (again) 4:30 in M&C3011. It was chaired by Rosemary Van der Akker. The high points of this meeting were the appointment of Rag White as administrator, a lengthy debate on possible donations to the Mke Moser Fund was tabled until the end of summer, and the election committee reported that they had one candidate for 4A rep, none for 2B rep and no for 1B rep (that means an election, in 1B anyway, which is pretty uncommon around here).

The new mathSoc budget was also ratified and is as follows:

ACCOUNT	SUMMER BUDGET
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AntiCal	\$1200.00
C.S.C.	100.00
Office supplies	100.00
Education	50.00
mathNEWS	450.00
Contingency	150.46
Social	450.00
Honoraria	0.00
Mathletics	0.00
Orientation	0.00

Total:	\$2500.46

The next MathSoc meeting will be Tuesday, 3rd of June at 4:30 in M&C3011

RUMORS?

-rumour has it that Cal Barrett may be trying to organize a C.A. club... anyone interested should leave their name in mathsoc...

-apparently summer council intends to "take care of" the Pink Tie on behalf of the fall council... any nostalgia freaks who want a last look can see it in the inner office at mathsoc MC3038...

-next time, ACP has promised us: "Gossip about MS. BRADER"

COMING BACK ??

! PRE-REGISTRATION !

All Co-op students currently on campus who will be returning for classes in the Winter/76 term should pre-register during the period May 26-28/75 with an appropriate Faculty Advisor as indicated below.

- (1) All 1B students (Honours and General) pre-registering for 2A:

Monday, May 26/75	10:00-12 noon	M.C. 5158
Tuesday, May 27/75	10:00-12 noon and 2:00-4:00 p.m.	M.C. 5158
Wednesday, May 28/75		

- (2) All students pre-registering for years 3 and 4 should see one of the following Advisors according to area of interest. This includes both Honours and General.

- (i) F. Reynolds - Actuarial Science

Monday, May 26	9:30-12 noon	M.C.6092B
Tuesday, May 27	10:30-12 noon	M.C.6092B
Wednesday, May 28	9:30-12 noon	M.C.6092B

- (ii) C. Haff - Combinatorics & Optimization

Tuesday, May 27	10:00-12 noon	M.C.5025
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- (iii) R. G. Dunkley - Co-op Teaching Option

Wednesday, May 28	1:00-4:00 p.m.	M.C.5103
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- (iv) V. A. Dyck - Computer Science

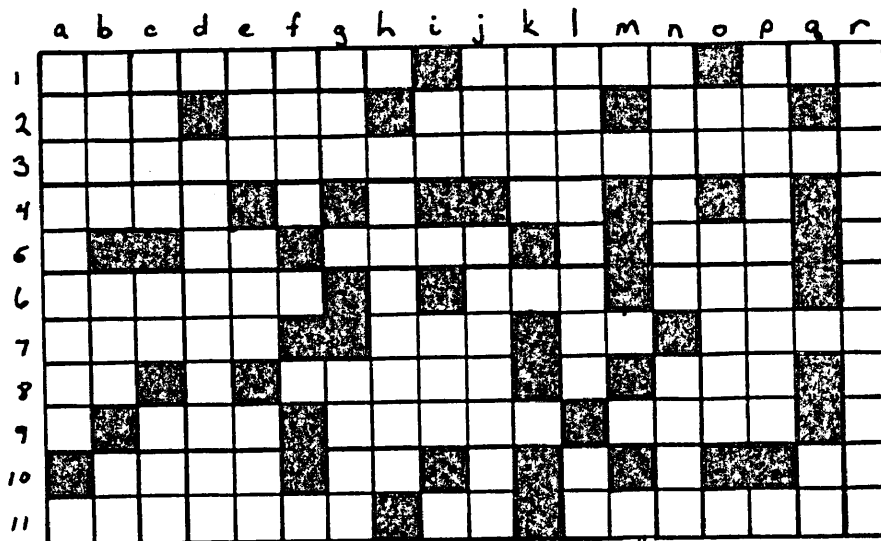
Monday, May 26	1:30-4:30 p.m.	M.C.5158
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- (v) J. D. Kalbfleisch - Co-op C.A. and Business Options

Wednesday, May 28	9:30-12 noon and 1:00-4:00 p.m.	M.C.6092A
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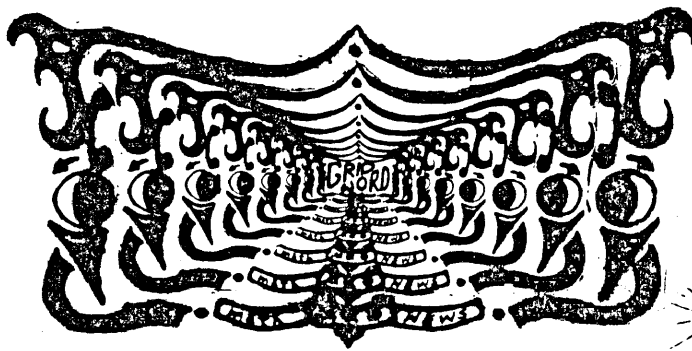
- (vi) C. Springer - Statistics

Tuesday, May 27	9:30-11:30 a.m.	M.C.5039
Wednesday, May 28	10:30-12 noon and 1:30-2:00 p.m.	M.C.5039

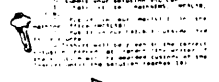


name _____ id# _____

ought else?? _____



Ye Olde Flacid Toole

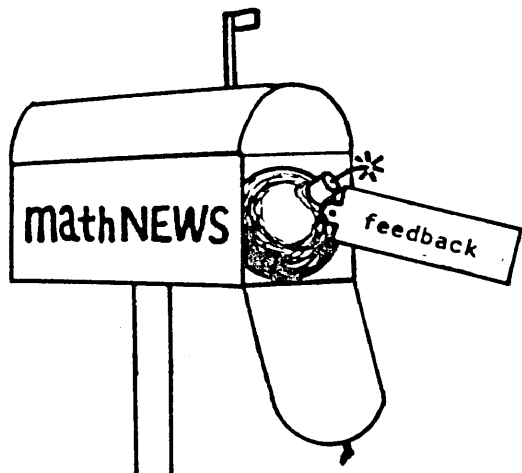


FANG YOU!

It surely has been one of those gridwords. Of the (count 'em) five submissions, two were from Owen Leibman, two were from R J White, and one from Diane Mitchell. Diane happens to be this week's winner, even though she had one square wrong. She is awarded one special delivery tee-shirt, to be sent to her in beautiful uptown Ottawa. Maybe next time, the 'bright' boys will do better. Incidentally, we have Diane's telephone number, and we won't let Kathy-X get her paws on it. p.s. Owen: If you would be kind enough to take your N1 across and stuff it up your F7 down we would happily write your I11 down. p.p.s. R J White should not be confused with ragwhite as they are two separate and distinct types of non-living entitles.

- h 3 { $F(x)=f(x)$ | $(X,Y)=(x\cos\theta+y\sin\theta, y\cos\theta-x\sin\theta)$ }
- i 2 morning
- i 7 congruency theorem; letting θ =side
- j 1 it's all up
- j 5 a drunken square
- k 1 a permutation of your spiritual self
- l 1 what you should do when it's raining
- l 10 down
- n 1 hair without cream rinse
- n 8 story
- o 2 @
- o 5 musical
- p 1 what they said to Mr. Angle who wouldn't work
- q 10 see 7 h
- r 1 a final certification

- 1 a (a,b)
- 1 j a savage beast
- 1 p theorem under consideration
- 2 a night minus r
- 2 e present tense of 8
- 2 i in addition to
- 2 n nicotine
- 3 a method of obtaining $X_i, u=0$ for all i
- 4 a relative to Buffy
- 4 k printer's measures
- 5 d π
- 5 g twinkle, twinkle little _____
- 5 n YE OLDE
- 6 a royal commands
- 6 j what do illiterate cows eat
- 6 n a tooth
- 7 a what a Chinese lion does
- 7 h 2
- 7 l for $I=1$ until 10 _____
- 7 o permutation of communication
- 8 a & (fr.)
- 8 f what the growing hatchet said
- 8 n golfer's aid
- 9 c ARNIE'S soup
- 9 g $f(x)=\begin{cases} x^2 + 6x + 9 & -6 \leq x < 0 \\ 9 & x = 0 \\ x^2 - 6x + 9 & 0 < x \leq 6 \end{cases}$
- 9 m faculty and students, staff
- 10 b set of straws
- 10 g see q 10
- 11 a that missing record
- 11 i integrated studies
- 11 l dead parrot



MathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but if requested, a pen name will be used. Put your Feedback article in our mailbox on the 3rd floor outside the lounge, or mail it to us on the 'Bun' (userid mathNEWS), or take it to MC 3038 and have it put in our mail slot or put it in the mail addressed to mathNEWS, MC 3038

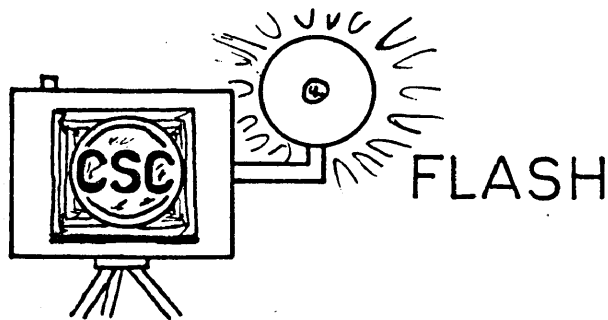
Just a note of clarification on the article "Your Mathsoc Inaction" in the May 9, 1975 Issue 8.1 of mathNEWS. The article stated that "the only council members currently on campus were" the Internal Affairs Director and the newly appointed President.

I don't know about J.J., but I think that the Summer president, Phil Lanouette, lives off campus.

Anyway, despite the debate on the right "to vote or not to vote" for part-time reps, AND all the talk about the Spirit of the law, there were at least 4 flesh-and-blood, voting co-op council members at the meeting. (Although, you couldn't always tell).

The article should have stated that there were only two Mathsoc executive members at the start of last Tuesday's meeting.

Brad St. Pierre 3RD year co-op



The Computer Science Club held its first meeting of the summer term on Tuesday, May 13. It seems there may not be too much activity this summer, due to a relatively small turnout for this meeting. The first order of business was the election of the new executive. The positions this summer and the people elected are:

President	Joe Lifshitz
Vice President	Peter Raynham
Secretary	Slavko Stemberger
Treasurer	Robert White
Librarian	Russell Crook

The Librarian position was created this term because of the fairly large library the CSC possesses.

After the elections, there was a discussion as to what the CSC should do this summer. One item that came up was the student representation on various committees. Two of these are the curriculum committee (who decide what courses are going to be taught, and what these courses will contain), and the computer usage committee (whose function is to decide how computer resources are to be doled out). One of the complaints put forward was the fact that no one knows when any of these committees meet and they're meeting times seem to be kept quite secret (or just well hidden). It was then suggested that someone be put in charge of finding out information about when these groups meet.

Another topic that came up was whether or not the CSC should give lectures on how to use the Honeywell. In the fall, lectures were held. Although some were fairly successful, others weren't, and judging by the turnout at the CSC meeting, it was thought that turnout would probably be even worse during the summer. One person suggested that lectures not be given on the more mundane subjects (such as how to use QED, which can be found in the QED guides available on the Honeywell), but rather on more exotic topics for which it was difficult to get information through normal channels, but which would be interesting just the same.

The question of accounts also came up. It turned out that most people already had accounts, and that only three or four people couldn't sign on to the Honeywell, the only machine for which the CSC is capable of providing accounts. The people who needed resources were advised that they probably would be better off if they went and got resources through appropriate channels (they were informed what they were) rather than the CSC handing out blanket accounts. Past experience reveals that blanket accounts tend to get abused. (This is one of the reasons the CSC can't get time on the Computing Centre machines.)

The next meeting of the CSC is to be held on Tuesday, May 27, in M&C 2034 at 7:30. Charles Forsyth will speak on the programming language "Pascal" As usual, there will be refreshments afterwards.

