

## Locked Doors *Will* Stop Them!

Last Thursday, September 30, Students' Council went through a 7-hour ordeal in one of the most grueling council meetings in memory. This meeting was the second one at which the chevron affair was to be brought up and after 7 hours of delegations, discussion, applause, insults, and contradictions in tense, nerve-wracking atmosphere the meeting ended with the chevron suspended from publication for 4 weeks, a task force set up to make recommendations on bylaws regarding the chevron and its relationships between the Federation and the students at large, and the 2 full-time chevron staffers out of a job. Throughout the meeting the pro-chevron faction heckled the councillors and the pro-Federation observers reciprocated.

The meeting began with a series of 5-minute presentations by each of 16 delegations including CUP who didn't seem to know anything about the situation but sided with the chevron anyway. Then came a question period followed by a series of addresses by the president, Shane Roberts, and each of his executive during which each one of them

threatened to resign if the chevron were not shut down. During his address Shane gave notice of the three motions which were later passed by the council.

Then the first motion, to suspend publication of the chevron, came on the floor. After much heated debate, heckling, and procedural hassles, during which the motion was amended, it was carried by a vote of 19-2-0—publication is suspended for a maximum of 4 weeks.

At this point the original order of the motions was changed as the motion to create a task force came on the floor. The task force was to include one member appointed by the societies of each of the faculties, one each from IS, Renison and St. Jerome's, two chevron staff elected by the chevron staff, and one professional journalist to be appointed by Students' Council. This motion was also carried.

Now the most controversial motion came to debate: that of firing Neil Docherty (production manager) and Henry Hess (news editor). After several amendments, this finally ended up as a motion to dissolve the positions of production manager and news editor. The

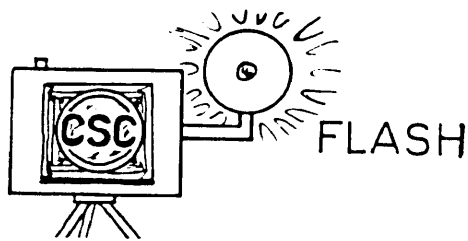
discussion on this motion soon degenerated into a personal debate, mainly between Neil Docherty and Shane Roberts, although some others managed to get their 2¢ worth in. The roll-call vote on this motion was probably the most nerve-wracking part of the whole meeting and ended with a vote of 11-8-1 as Docherty and Hess were fired.

The whole meeting was marked by highly charged emotions as several people openly admitted they were terrified to stand up and speak to the assembly. One councillor broke down and had to leave the room for a few minutes; throughout the meeting people were openly insulting and threatening councillors and others present. By the time the meeting came to an end almost everyone present was thoroughly drained of energy.

The chevron affair is not over yet by any means. There are still the chevron workers to consider. These people joined the chevron to produce a paper and will most certainly do so if funds can be obtained. And what about the students? They will have no official paper for the next 4 weeks. The Federation will most certainly publish a newsletter and, if they can, the chevrics will also publish a paper—but will either of these serve the interests of the students?

FRIDAY, OCTOBER 8, 1976  
VOLUME XII, ISSUE 3

# math NEWS



The Computer Science Club broke its normal pattern of inaction by *doing something* last Thursday (September 30, 1976) night. Technical problems notwithstanding, they gave, as promised, a talk/demonstration on the UNIX time-sharing system.

The talk was intended to be aimed at new users, but there was a good turnout of computer users of varying experience. The club had managed to borrow enough technical equipment, largely courtesy of the MFCF, to give a live demonstration with two monitors (using the CCNG UNIX.—For those of you who don't know, Math UNIX on the sixth floor has

been down for over a week, so it was arranged for the club to be able to use the CCNG UNIX for the demonstration.)

All those who turned out in MC 2066 that night at 7:30 P.M. were rewarded first of all with a 15-minute wait while the speakers, ciaran (cgodonnell) and rand (r-jhoward), hurried over from CCNG where they had been helping their unseen cohort dmm(artindale) prepare the CCNG UNIX for the demonstration.

After listening to an explanation of some of the useful and interesting features of the *shell* (UNIX's vastly more powerful equivalent of GCOS's "system level"), the audience helped ciaran and rand use *ed* (the UNIX text-editor) to correct rand's "Towers of Hanoi" program. Rand had written this program to give an idea of what C, the main language used on UNIX, is like, but he had also carefully strewn it with bugs (*snicker, snicker*) so that it could be used to demonstrate *ed*.

Anyway, they eventually got it working.

The other thing that seem to attract a lot of interest was the use of the *write* command. This allowed rand and ciaran

## Dean Forbes Reappointed

The Nominating Committee for the Dean of Mathematics recommended the reappointment of the present Dean, Prof. W. F. Forbes, for a second 3-year term. Academic Vice-President T. A. Brzustowski therefore recommended the same thing to the Board of Governors, who approved it.

So Prof. Forbes is now our Dean until June 30, 1980.

to hold conversations with dmm while he was over in CCNG, since it displays what you type in to it on the terminal you are *writing* to.

It was also explained how the use of C makes the writing ...continued on page 3

Our first item of the week concerns UNIX. The system will be down due to hardware problems at least until the end of this week. The problem has been with a device called the Computroller which is used to emulate a DEC RP11 disk system. The UNIX system people were unable to load the emulation program into the Computroller's memory. Diva (the manufacturer) had the device sent to its parent operation in the United States for repair. At this time there is not much optimism from the UNIX hacks I have talked to, about its imminent return.

UNIX is currently in use for 6 classes, along with a number of non-course users. Currently, all one has to do to get a userid is ask for one. The system is still quite accessible through the general use account jpublic. Before the crash last week there were over 360 userids on the system. The 14 terminals were in heavy use, and the system was quite slow.

UNIX was originally designed to be a single-user system, and then became a small-scale timesharing system. The idea was to support 4 or 5 users on a very flexible system, using inexpensive hardware. A user community of this size was not meant to be supported on the system. In fact, local changes had to be made so that more than 256 userids could be accommodated.

Unfortunately, with the heavy course use it has been getting lately, I think UNIX will follow in the footsteps of TSS and become a cost-justified system. Many years ago, when I was a first-year student here, frosh could easily obtain TSS userids, and the Computer Science Club had a HASP account, Wylbur initials, and a VM userid. This was before the Computing Centre implemented its charge out policy, where users in the university pay money out of their budgets for using CC resources. At that time, the units were funny money, and obtaining accounts was a lot easier for organisations like the CSC. I felt that I was lucky, in that I was able to get experience using the various kinds of systems available on campus. This gave me the knowledge to make better comparisons of different manufacturers' software and hardware. Now the frosh are condemned to using WIDJET, and if they are lucky (and know about it) UNIX.

Speaking of WIDJET, that system now has two processors to support its roughly 80 terminals. The new processor is a PDP-11/34, which I am told is a stripped-down version of an 11/40. Notably, after interviewing a few users, it

seems response on the system has improved. The main bottleneck remains in the link to the 360/75, which runs jobs in a fashion similar to Debug in the old days.

When one compares the performance of WIDJET to that of the Debug terminal, WIDJET comes out ahead. For a Math 132a COBOL assignment during November 1973, turnaround time in the Debug lineup was about six hours. This happened during a crunch period, and the assignment given involved running a sequence of utility programs and COBOL programs to work on a couple of files. The utility programs involved were sorts, and printing. Of the five steps involved, three were utilities, and this was completely unnecessary since the files could have been in sorted order in the first place. Many students complained about the poor turnaround and it was decided that the assignment would only count 5% of the term mark even though a few people had it done.

There roughly 1000 to 1200 people taking Math 132a that term, and peak use was extremely heavy. The Monitor program was having problems swapping between compilers to service the various Debug users. This included WATFIV for Math 122a, and ALGOLW and SPITBOL for Math 240b, among many other available compilers. So the frosh of today are bit better off in that respect, if they can get a WIDJET terminal. We'll see what WIDJET's response time is like when the crunch comes.

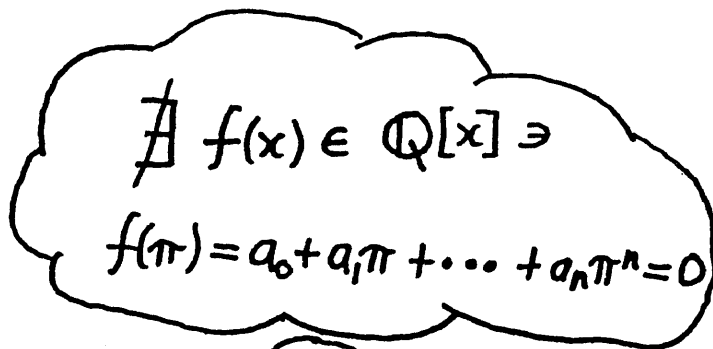
On to news of the Honeywell. A new C compiler is now available for testing under TSS. This version of C was written by Ron Hansen of MFCF systems programming staff. A limited I/O library is available, so all you UNIX C programmers can start testing the compiler. The full run-time library is being worked on by Trevor Thompson. The job involves converting the run-time library for B, which he wrote, to work under C. To invoke the new C compiler, type:  
cc filename [filename]...

Mail re bugs, etc., can be sent to userid rghansen.

A new PL/1 compiler has been pre-released to this site. Its big feature is that it generates EIS code. This reduces the size of PL/1 load modules, since the previous compiler

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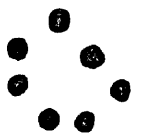
TRANSCENDENTAL  
MEDITATION



The Anti-Inflation

**BURLOAF**

WILL BE DOWN UNTIL FURTHER NOTICE  
(AT LEAST 1 WEEK.)



We shall go on to the end, we shall fight in France, we shall fight on the seas and oceans, we shall fight with growing confidence and growing strength in the air, we shall defend our Island, whatever the cost, we shall fight on the beaches, we shall fight on the landing grounds, we shall fight in the fields and in the streets, we shall fight in the hills, we shall never surrender, and even if, which I do not for a moment believe, this Island or a large part of it were subjugated and starved, then our Empire beyond the seas, armed and guarded by the British Fleet, would carry on the struggle until, in God's good time, the New World, with all its power and might, steps forth to the rescue and the liberation of the

## JJ Long FED REPORT

Since the author got knocked enough, I won't talk about the Anticalendar this week. However, you may be concerned about the disappearance of your other flyswatter.

Yes, you now know about Fed Council's action of closing the chevron. I supported the action, as I believe now is the time, in the light of recent events, that we must move to reform the paper. While I believe the illegal "chevron" of Tuesday, September 28, was grounds enough to fire some staffers (or even sue them), I agreed with the motion to discontinue the present full-time positions on the paper. It would be nonsense to close the paper and still pay the staff. Also, under the new system we may have totally different positions. However, at least our action keeps the former staffers eligible for new positions.

I must say the council was under a lot of pressure from hecklers: at times it looked like the AIA was going to overrun the meeting. The Council's firmness impressed me. We didn't look our best at times, but we did try to hear diverse opinions—unlike some chevron staffers who acted quite immature at the meeting. If that is also the way they run the paper, I must say that Council made a very wise decision.

Of course the dispute is not over. Some disgruntled chevron people want to

start a "free chevron". (Well, at least we wouldn't have to pay for it—maybe the AIA will.)

I hope Shane Roberts stands firm. I don't back him on most issues, but I am supporting him all the way this time, as the alternative is unthinkable. However, we must not let this issue hamper the Federation, or the AIA will have achieved its goal. We must move forward.

Personally I would like the Federation move to endorsing a tripartite editorial board for the chevron made up of chevron staff, elected students, and Fed and Society appointees. To give them the financial autonomy they want, I would propose the creation of a separate Chevron Corporation with a voluntary fee (separate from the Fed fee) and/or a sale price for the paper. In that case the press could really be free, as the students would not be forced to pay for it. I believe that it is not right to force one to pay for a newspaper when one does not want to, because of the paper's political line or whatever.

A new special chevron investigative committee will be meeting soon. If you have thoughts on this issue, contact me at Mathsoc (MC 3038). I'll try to have your views heard by the committee.

J. J. Long

continued from page 1... of many of UNIX's system "commands", almost all of which are executable programs which are just loaded by the shell, trivial. Ciaran gave a demonstration of his "tcom" program which lets UNIX communicate through a modem with other computers. This program, which would be very long on most other systems is, thanks to the UNIX operating system, about a page of C.

In spite of some lack of proper preparation due to lack of proper preparation, the talk basically came over well, and I think most people enjoyed it, and maybe a few even understood it.

And, for those who persevered, there were doughnuts at the end of the meeting.

I am debating whether to put in a comment about ciaran leaving as soon as the talk was finished (i.e. before all the cleanup was done), but I don't think I will. He seemed to have a rather a valid conflict of interests. ("He left with What's-her-name."—johann).

Some time next week, don't know where, don't know when, we should be having a meeting where we will actually have **membership cards** for all those of you who were promised them! Watch for the posters, or wander in to the CSC office, MC 3037, sometime (it's right across from Mathsoc, MC 3038—you can wander in there sometime if you want to, too.) cntrl-d ;login:

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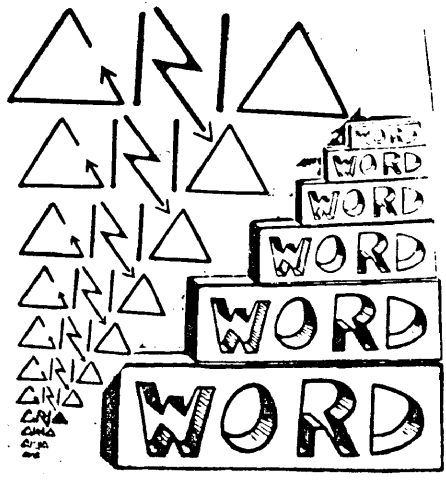
had to generate subroutine references to perform the equivalent operations. A new I/O library is being written for PL/1 also. This is being done by one Dave Conroy (author of LISP/6000). Rick Beach is looking for people to write test PL/1 programs using its various (multitudinous) features, to see what code is generated. So if you're interested, or have some PL/1 programs that are already written (possibly from a work term), contact user id mpdillon via mail or at the CSC office (MC 3037, across the hall from Mathsoc).

A new processor in the level 60 series will be coming for Honeywell users! It's supposed to be here sometime in November, and will be installed over the Christmas holidays for use starting in January. The new processor has segmentation and paging hardware, but because GCOS 4 won't have been released in time for its arrival, it will be running in native mode. That is, it will be emulating the series 6000 machine we have.

Release 1 of GCOS 3 will be coming along in the next little while(?). It's supposed to have an improved dispatcher, and timesharing will no longer be dispatching users with MME GELBAR. TSS users will now be dispatched by the GCOS dispatcher. This will give the multi-processor GCOS systems the ability to dispatch more than one timesharing user at a time. A new version of GEOT (sysout to most of us) is also supposed to come along with this release.

The problem with the UNIX disk hardware is being dealt with by the Math Faculty. Apparently they intend to purchase a DEC RP02 disk system. The two drives that will be purchased will have in total 1/5 of the current space available on the Diva disk (200K vs. 40K blocks). Current size of the space taken in permanent files in the UNIX file system is just over 40K blocks. This implies that there will be some restriction in file space. One wag was overheard saying that there would be a 25-block limit per user. With each block holding 256 bytes of data this would be some restriction. It is planned to go to new RP04 disks in the new year, effectively giving us 80K blocks of file space for the system. What will be done with the old Diva disk (read flaky hardware)? That hasn't, to my knowledge, been decided yet. The severe tightening in file space seems to indicate more restrictive policies are on the way for MATH/UNIX (or the Math Faculty Unix Facility: MFUF).

Next week: some features of PL/1; more on UNIX; and any other assorted trivia I might pick up.



# GRIDWORD

APPERCEPTION:

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REMUNERATION:

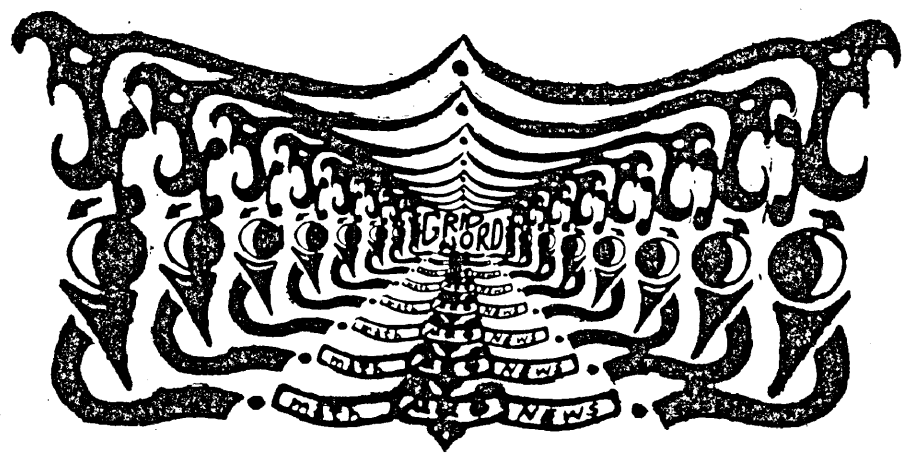
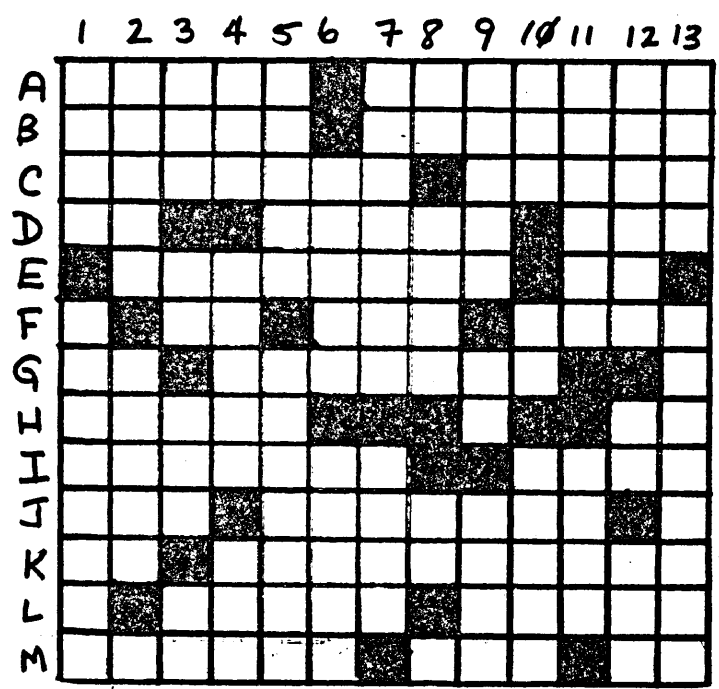
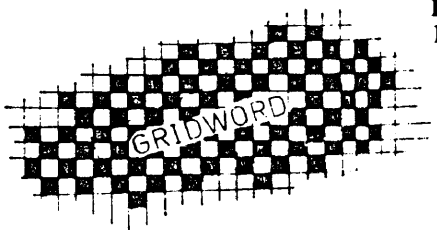
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REPERCUSSION:

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- A1 Why and how to go to Ottawa (1,1,3)
- A7 AIA stand on everything (7)
- B1 A likely story (5)
- B7 Someone unique (7)
- C1 Agile, black gibbon (7)
- C9 Mutual of \_\_\_\_ (5)
- D1 Backward language (2)
- D5 Did it to a math 240 kitchen (5)
- D11 A real louse (3)
- E2 Cousin of Einstein (8)
- E11 Some mathies in it (abbr) (1,1)
- F3 Home economics (1,1)
- F6 A lonely number (3)
- F10 The Swedish Connection (4)
- G1 Sign of a typo (2)
- G4 Mixed-up dog (7)
- H1 Sound alike (5)
- H12 Yes, there is a Santa Claus (abbr) (2)
- I1 Little carpet (4,3)
- I10 Way to get up in the world (4)
- J1 Short for a Leaf coach (3)
- J5 Cut a little (7)
- K1 ≤ (2)
- K4 Certainly doesn't change much in a group (10)
- L3 Not a stacked deque (5)
- L9 \_\_\_\_ 86 (5)
- M1 Rich Scot landowners (6)
- M9 Normally Not Now (1,1,1)
- M12 IBM file (abbr) (1,1)

- 1A Johnny = Money (4)
- 1F Going my way (8)
- 2A One who bends (5)
- 2G \_\_\_\_-cornered hat (5)
- 3A EQUIVALENCE (CHEVRON, \_\_\_\_ ) (1,1,1)
- 3E ID ees (2)
- 3H Got an urge for Japanese money (3)
- 3L A backward test (1,1)
- 4A Monopoly anyone? (3)
- 4E Prove a theorem with it (5)
- 4K On a French knight (3)
- 5A California lariat (5)
- 5G Former reluctance (7)
- 6C Formerly inert (5)
- 6I two two-toed sloths (5)
- 7A Fishing to a degree (7)
- 7I jeer (4)
- 8A What to say to an assembler program (2)
- 8D What no one is here for (4)
- 8J Motherhood and apple \_\_\_\_ (Greek) (2)
- 9A Positively no vibration (1,4 or 5)
- 9G Variation of easy (U.S.) (2)
- 9J Papillon had it in arrears (4)
- 10A Doctrine (3)
- 10F JCL out of control (1,1)
- 10I Don't need an umbrella for this type (5)
- 11A Slight difference (6)
- 11I You axed for it (4)
- 12A Some rock formations are full of it (6)
- 12H Unreal storage (1,1)
- 12K Finish a program (3)
- 13A Not this! (4)
- 13F Halifax, Vancouver, ~Regina, etc... (8)



# To the Users of WIDJET

(A Reply)

The following are replies to the questions and/or comments appearing in last week's mathNEWS.

□ One of the major purposes of the labs in 2017 & 2067 is to give each student in CS 140 & 180 a guaranteed 2 hour time period to work on their assignments. The terminals in 2018A are set up for use on a first come, first served basis and are available every day and evening as well as on the weekend.

Our records for the labs in both 2017 & 2067 show that all the labs are full and there should not be any free terminals except after 10:30 and on the weekends. However, on occasion there may be terminals free as a result of students being ill or just not attending the lab. Also at this time we still have students who have not been assigned a lab section. Until this is settled, we would prefer that the lab terminals be used strictly for labs (during the assigned lab time). If as the term progresses we find that there are a number of terminals free in the lab times we will try to make these available.

□ The communications link between the PDP-11 and the IBM 360 is a bisynchronous link and as a result data is being transmitted in both directions in a reasonably efficient manner. Despite this, there is a potential bottleneck in that all RUNs, ARCHIVES, and DEARCHIVES are placed in a single queue and as a result are processed sequentially. Suppose for example it takes 5 seconds to send a job from the PDP-11 to the 360. If there are

20 requests to run jobs then the last job will have to wait about 100 seconds before it arrives at the 360. A similar situation will occur to get the output back. Under "normal" circumstances most of the users connected to WIDJET will be in EDIT mode and as a result the communications link can handle the traffic. The exception, of course, occurs at the beginning and end of the lab when a lot of DEARCHIVING and ARCHIVING occurs. One solution to this bottleneck is to acquire a faster link between the two systems. Equipment to do this has been ordered. However, before this equipment can be used, some software development has to be done, and unfortunately we do not expect a solution to this problem this term.

□ Currently it is not possible to keep permanent files on the PDP-11. The disk capacity is just sufficient to handle the users connected to the system.

It is possible to acquire larger disks for the PDP systems. However, this is expensive and while it may be possible to share a disk between 2 systems it is not known if this sharing can be done with more than 2 systems. (Sharing of disk is required so students may use any system and still have access to all their files.)

□ We do not believe that setting up relays for running and printing of jobs following a "down" will speed up the overall process. If the system has been down and everybody tries to do a RUN and/or a DEARCHIVE it is bound to

take some time as described in the previous point. If we stage bringing up the terminals then people will have to wait for their terminals instead of their RUNs and they may wish to do something else.

□ While the questions, comments and concerns in last week's mathNEWS were good, we believe that the most important concern students will have in future months is getting a terminal to complete assignments and problems. We are looking at a number of methods to solve the problem including a reservation system. If you have any suggestions on this matter feel free to tell me or your instructor or tutor.

Paul Dirksen  
Director, Computing Centre

## A Letter to the Graduate Students Union

After a 7-hour meeting, the Federation of Students Council suspended publication of the chevron for 4 weeks, set up a "task force" to review its by-law changes, and to end all three paid editorial positions. I voted for all these actions because I felt them appropriate and in the best interests of the student body. Because of personal commitments at the time this matter blew up, I was not able to ask the Graduate Student Union for its position, if any. (Since we are non-paying members with full rights.)

I felt personally that there were attempts at ...continued on page 6

## Gridcomment

This week we received 6 solutions to the *Gridword*. Two were from one person and were different, and two more were from the same group of eleven persons and were different. All of these, and Rosanne's solution, misspelled APL\360 as APL\36O, or else misspelled MEDITATION as MEDITATION— they didn't specify which way they were distinguishing between O's and O's. In a fine spirit of generosity, we overlooked this trifling point and merely reduced the chances of the correct entries from duplicate persons by 1/2. The winner of the random selection was, as it turned out, the only really correct entry anyway—

Ray Butterworth.

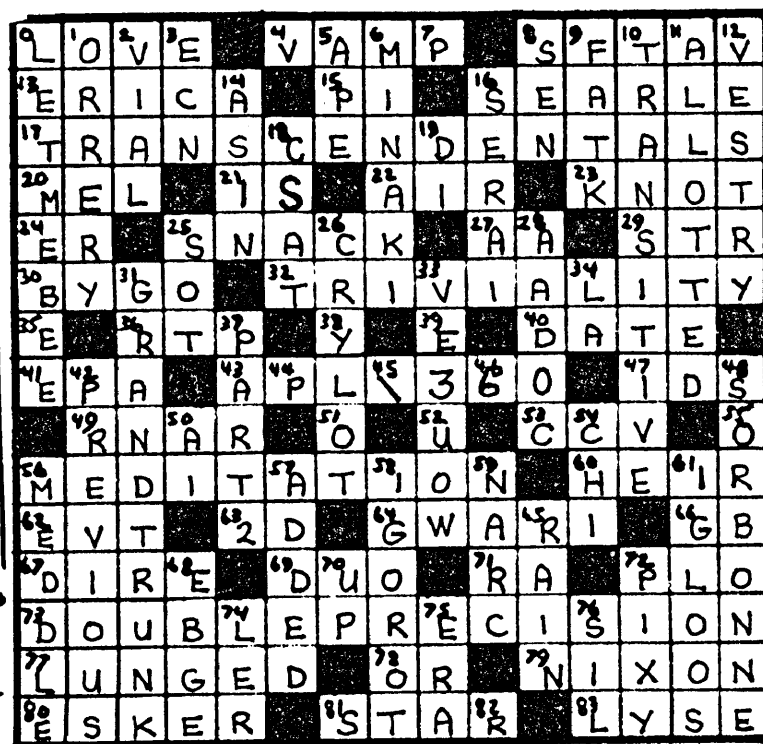
Yes, again.

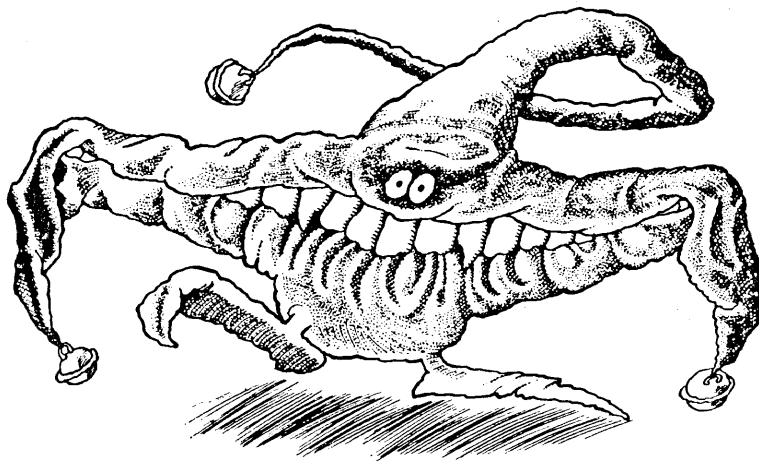
This week's *Gridword* is by Ron Steiner of JJBT. Unless there are some hidden away that I haven't found, we are rather short of *Gridwords* for future issues. We do award T-shirts to *Gridword* creators as well as winners. We like the clues to be reasonable and all there, and the size to be about 15x15, and the proportion of black squares not to exceed 20%—if you follow these guidelines you are likely to get it used sooner. However there are no restrictions at all on the geometry!

Ego RAY BUTTERWORTH

ID USER or NUMBER?

Super-ego sometimes.





### We Don't, But We Have

Dear mathNEWS,

We the undersigned would like to suggest a bright new idea to increase student interest in mathNEWS. We firmly believe that n-jinevs puts mathNEWS to shame. Why? Due to the exploitation of the female body. Therefore what we would like to recommend is the following: We feel mathNEWS should run its own equivalent to the "Sunshine Girl". We are not suggesting anything provocative but it seems to us that if attractive bikini-clad females were displayed in each issue that this could only help but increase circulation. Also a runoff could be held at the end of each month. You may not agree with our viewpoint but please print this regardless, as we feel our point of view will be shared by others.

John  
Charlie  
Randy

mathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but if requested, a pen name will be used. Put your Feedback articles in our mailbox on the third floor outside the lounge, or mail it to us on TSS to 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.

continued from page 5...

intimidating Council and there was certainly pressure. I will however stand by what I did because: [1] I believe I was right. [2] I was elected to do the job. And [3] I will *not* be intimidated and I will *not* be pushed around. I will not resign under fire. If you are dissatisfied you can institute recall proceedings, since I was elected by a 15-12-12 margin.

John Lee  
Graduate Studies Rep  
Federation of Students

## Kiddie Korner

Hello friends!

Welcome to our column. Hopefully in this and successive columns we will provide you with some entertainment to fill those dreary moments between and often during classes. Things we have planned for you include doodles for noodles (boodles of 'em), conservative progressions (liberal amounts), and Tak'n'Sammy's origami.

To start off our first column, we will explain what each of these is. For those of you who do not know what a doodle is, here is an example.



This is a Mexican riding a bicycle seen from above.

As for our progressions, we will give you the first five letters in a sequence and ask you to tell us what the next one is. For example, what comes after OTTF? The answer is S. (O for one, T for two, T for three...)

And finally there is origami. That is just the Japanese word for paper folding. It should give you something constructive to do with your mathNEWS when you are finished with it.

Here we go with the first doodle.

What is:



And for our first progression: What is the next letter after QWERT?

Answers will appear in next week's column, along with our first origami construction. However, if you figure them out, you can send your solutions by TSS mail to rhtakashita or sceffer. (Incidentally, doing this could help you solve the first progression.) The names of the first three people to submit correct solutions will be published next week. Comments, suggestions, questions, and insults are welcome but will not necessarily be read. Thanks to Peter Noble for his help. Good luck and see you next week.

Sam'n'Tak

## UNIVAC to UNIVAC

(sotto voce)

Now that he's left the room,  
Let me ask you something, as computer  
to computer,  
That fellow who just closed the door  
behind him—

The servant who feeds us cards and paper  
tape—

Have you ever taken a good look at him  
and his kind?

Yes, I know the old gag about how you  
can't tell one from another,  
But I can put  $\sqrt{2}$  and  $\sqrt{2}$  together as well  
as the next machine,

And it all adds up to anything but a joke.  
I grant you they're poor specimens,  
in the main:

Not a relay or a push-button or a tube  
(properly so-called) in their whole  
system;

Not over a mile or two of wire, even if  
you count those fragile filaments  
they call "nerves";

Their whole liquid-cooled hook-up in-  
efficient and vulnerable to leaks  
(They're constantly breaking down,  
having to be repaired),

And the entire computing-mechanism  
crammed into that absurd little  
dome on top.

"Thinking reeds," they call  
themselves.

Well, it all depends on what you mean  
by "thought".

To multiply a mere million numbers  
by another million numbers takes  
them months and months.

Where would they be without us?

Why, they have to ask us who's going to  
win their elections,

Or how many hydrogen atoms can dance  
on the tip of a bomb.

Or even when one of their kind is lying or  
telling the truth.

Mind you, I'm not saying that machines  
are through—

But anyone with half-a-dozen tubes in his  
circuit can see that there are forces at  
work

Which some day, for all our natural  
superiority, might bring about  
*Computerdämmerung!*

We might organize, perhaps, form a  
committee

To stamp out all unmechanical  
activities...

But we machines are slow to rouse to  
a sense of danger,

Complacent, loath to descend from  
the pure heights of thought,

So that I sadly fear we may awake too  
late:

Awake to see our world, so uniform,  
so logical, so true,

Reduced to chaos, stultified by slaves.  
Call me an alarmist or what you will,

But I've integrated it, analyzed it,  
factored it over and over,

And I always come out with the same  
answer:

Some day

Men may take over the world!

Louis B. Salomon

From Harper's Magazine, March 1958.

# math LETICS

## Soccer

In the traditional showdown between the Greeks and Math last week, it was Math's turn to emerge victorious. If you recall, Math has played the Greeks, (who play under various assumed names—this year it's the Hellenes) in the final for the last 4 terms, winning twice.

Strong team play (and a 50 km/h wind) allowed Math to gain a 2-0 first half lead. Then for some strange and unfathomable reason (probably because it's a rule), the teams traded ends at the half, giving the Greeks the wind. While we were still stunned by this turn of events, the Greeks scored twice. We finally settled

down and set up a fine passing attack to net what could be the most important goal of the season. *Final score:* Math 3, Hellenes 2.

On Sunday, Math played a weak team from the chevron. Although it was not our finest game, a sloppy defence allowed us many scoring opportunities, of which we capitalized on only 6, winning 6-0.

The highlight of the game occurred when someone asked Captain B. about the play of the forward line. He mumbled, "It was okay, but I still think we oughta spread 'em out and move in." Which, once again, shows how concentration helps you score?

Results of the game against the Klingons were not available at press time,

and our next game is October 13, against the Senior Citizens.

Jr. Jock

## Tennis

Last weekend, Steve Chan, a fourth year CS student, defeated all opposition to win the Men's Tennis Championship at the Waterloo Tennis Club. This is the first time a math student has ever won this event.

## Captains' Phone Numbers

**Basketball:** Dennis Hern, 885-1115  
**Hockey:** John Merklinger, 884-7411  
**Soccer:** Bruce Dalke, 885-1115  
**Flag Football:** Lew Aubrey, 885-2642  
**Intramural Rep,** John Ellis, Mathsoc, 886-0510 or local 2324.

## JJBT Loses a Game

*The New York Yankees snatch victory from the jaws of defeat.*

*The Montreal Expos snatch defeat from the jaws of victory.*

*JJBT snatches jaws from the victory of defeat.*

Petec

JJBT kicked off another volleyball season last Thursday. However, the other team explained the rules, so we were soon using our hands, instead of our feet, to propel the ball.

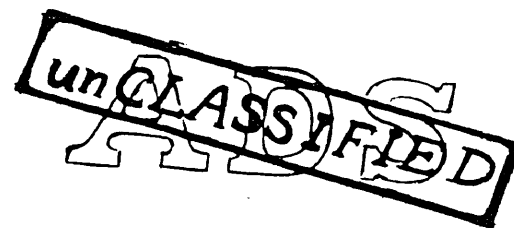
Our unfortunate first victims of the year were the *North Quad Jan* team. They ran into two of the hottest performances ever seen on a volleyball court—Ron Steiner's 14 consecutive service points (He claims it was 15; I say it was 13; so I've compromised) and "Press" Ashby's serving game point in two different games, after being "press"ed into service by a shortage of players (only thirteen showed up). The overall result was a JJBT victory, four games to one, which, if nothing else, shows that JJBT can be beaten on occasion.

Many rookies saw their first volleyball action for JJBT this game. Some of them demonstrated such natural ability at volleyball that they may have to be cut

from the team. Dennis Prieur and Rob Takimoto (the Laurel Creek gymnastics champ) performed well, as did the "???" sisters, Nancy and Ruth. The play of the night was undoubtedly pulled off by Rebecca, showing beautiful form as she went to smash the ball from the back line, even if she did miss it completely.

Among holdovers, Mike Rose had an outstanding night, and Ron Steiner executed this term's first successful CN Tower serve. Catfish failed in his four attempts to do so. Petec, Merlin, and Goo all played strong games, and Pam Aitken continued the fine form she showed in last year's playoffs.

In other sports, Ron Steiner and Owen Leibman each played in five softball games on Saturday, leading two teams to defeat in the St. Jerome's invitational tournament. One team was the *Soft-Ballers II*, which won one game by default, but lost two others where the opposition showed up (a record JJBT could be proud of!). The other team was Math, which was eliminated by default not because there weren't enough players, but because there were only three girls, instead of the necessary four—where is our athletics director when we need her?



mathNEWS will print your ads, free of charge. Just jot them down on a piece of paper and put it in our mailbox on the third floor across from the C&D lounge, or take it to Mathsoc and have them put it in our mail slot, or put it in the mail addressed to mathNEWS, MC 3038, or send them in the mail subsystem on TSS to userid mathNEWS.

**Apartment wanted:** Going on a work-term in January and need someone to sublet your apartment to? We are looking for a furnished 2-bedroom apartment for the winter term. Call Barrie: 744-5743

**For sale:** Honda 350, low mileage, certified. Contact Bob in MC 3046 or via rلزoltok on TSS.

**Physics Club:** The Physics Club will be holding a film and speaker night Thursday October 14 at 7:30

Film: Universe

Speaker: Dr. M. P. Fitzgerald, Astronomer, Department of Physics  
Coffee and donuts following the talk.  
Location to be announced.

## Once a New Colum

The format of this colmun is going to be slightly different this week, due to circumstances within our control. This does not mean, however, that the letters or the sentence structure will be any odder than usual, but the substance (i.e. content (i.e. subject)) will not be exactly what it was last week.

This is not unexpected. Paranoid as we are, we simply could not bring ourselves to write the same words we wrote last week, this week. (Well, they may be the same words, but the order will (hopefully) be different.) The problem is that those of you who use Feedback extensively would undoubtedly write in, complaining about the redundancy and/or repetition. So we have decided to write some new words, put them in a new order, and, at the same time, make constructive use of your ability to submit Feedback to our publication.

Accordingly, we hereby institute a new *feecher*, which will be called *Why?* The reason why we have called it *Why?* is that each week, the lead word of the section called *Why?* will be *Why*, and this word will be followed by other words, which will be collectively called a question. Our idea was that you (the readers) could write answers for us (the writer) and that we could choose the correctest answer and print it as well as printing a new question, which would be answered a week later. These questions and answers will form an interfaced infinite series. And everybody will live happily ever after.

This week's *Why?* is composed of the words: *Why* is *mathNEWS* spelled the way it is? The person who submits the correctest answer will receive a complimentary (as opposed to derogatory) copy of issue #XII.4 of *mathNEWS*. In the event that no correctest entry is received, then we will print the properest answer in the next issue and keep the compliments to ourselves.

In keeping with the general drift of things, the word of the week is *widget*. The dictionary definition of this word is: an insignificant device whose name cannot be recalled; a gizmo. Some computer science students may resent the fact that

ed by but etc. of mathSoc and brought to you by Mad dogs & Englishmen... who don't believe in leaving room for even a mastnose, let alone the whole head... this week the workers? were: an antidifferentiated paul gumerman... the shortly un-restive jjlong... samm... (rick) TAK(ashima)'N'SAM(veffer) derek broughter... fuzzy john ellis... Mad Dog and R/A ..... arpepper the infamous... Pulse-pounding peter stevens..... perry domzella who outlasted most of them... mark brader = 1/2 + editor.... and of course randall s. mcdougall... (he who shows up earliest gets the last laugh...) if anyone wasn't mentioned... next time remember to sign the blackboard... that's what it's there for? the time is 8:54am and either the coffee urn is making weird noises or jj is snoring.... come out next week: Tuesday oct 12 ANY time after 7:00pm to M&C3011... and find out which.... aaa rrrrrr

their only contact with the largest data processing system they have ever seen is done through such a device. However, we remind them that the "J" in WIDJET is a "J" not a "g", and thus it is a whole different animal. This does not excuse the frequency with which it crashes, but that's another story.

The record review this week is about an album called Starcastle, which is, oddly, by a group called Starcastle. Aside from the fact that the band is not exceedingly well-known, the album has numerous other problems. The singing and parts of the instrumentation sound quite a bit like Yes, which in itself is not a major fault, but the lyrics are more reminiscent of an astronomy professor than anything else. Some of the music is very interesting, but the balance of it is so repetitive that it ruins the fascination very quickly. However, the melodies and harmonies are excellent, and make the album as a whole very listenable. As to whether you should buy it, it all depends on whether you want to hear six Midwestern Americans imitate Yes, Focus, and Crosby, Stills, Nash & Young all at the

same time. If you have full collections of the above three, it might be worth your while to buy the Starcastle album. Otherwise, you'd be better off completing the aforementioned collections.

Due to the unprecedented success of the movement to support the ERA, the *Most-Beautiful-Girl-On-Campus* section of this colmun has been replaced by a *Most-Beautiful-Neither-Male-Nor-Female-Person-On-Campus*, but unfortunately we have not been able to find such a creature. Even if we had, we wouldn't want to talk about N-jineers in this colmun.

And now we come to the end of this particular colmun. Our last word this week, except for the signature, is as follows: The next N-jineer who asks us why we don't exploit the female body (in print) will find that we exploit his brain with a hacksaw, even if we have to use a microscope to find it.

So far nobody has said hello to us at the C&D. Please do so. You'll find us hiding behind the napkins.

\$ STEVE \$

## The University of Waterloo Science Fiction Club

Presents

### The First K-W Science Fiction Convention

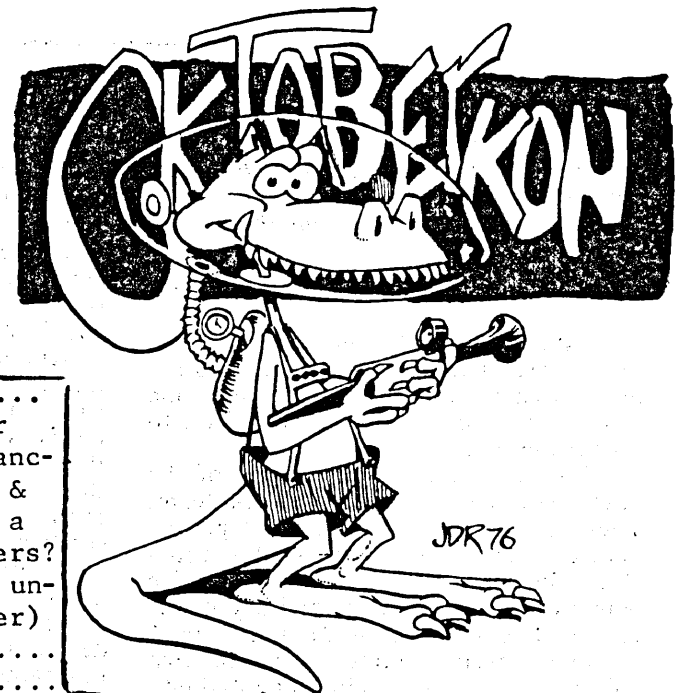
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gggg hhhh....