Elections

Co-op Math rep Doug McDougall was re-elected last Friday in the Federation Math election. The victory by McDougall, the current chairperson of the Education Board is seen as another defeat of the free chevron (and its candidate Lorne Gershuny) administered by the present Federation government. Thompson had been greatly worried since three free chevron supporters had won elections in other faculties by acclamation. McDougall, while not formally a member of the CRG itself, supports many of its policies and his victory should make President Thompson somewhat pleased.

The extent of McDougall's landslide victory was obvious from the early polls, as he garnered 52 votes as compared to 10 for Gershuny, and 16 for Mathsoc councillor Brian Gregory. The questionaire-type posters of Gershuny, nor the computerized posters of Gregory were no match for the person to person grassroots efforts of McDougall and his close circle of campaign workers. In fact late Friday the McDougall camp was confident of victory as they felt that they had gathered close to 50 sure supporters out of a turnout of 80. They even had a victory party ready before the vote was announced.

Ratfor is here!

Now those who **must** programme in FORTRAN can get relief from unreadable programmes caused by the primitive features (such as GOTO's) which FORTRAN demands. The answer is **Ratinal Fortran** (Ratfor); a preprocessor for FORTRAN with structured control statements such as IF-ELSE, WHILE, REPEAT and FOR, modelled after those used in Eh, B and C. This allows one to give a structured appearance to the programme and eliminates the need for the use of GOTO's.

The result is clear, readable and easily debugged programmes. Furthermore, the Ratfor-to-Fortran translator is written in FORTRAN itself, so it can run on any machine with a FORTRAN compiler. The time saved in programming, debugging, and programme revision can be enormous. Remember the first time you tried to understand that FORTRAN programme you wrote a month ago? It took almost as long to relearn it as it did to write it. Ah, where was Ratfor when you needed it?

Ratfor is available on the Computing Centre's VM/370, Honeywell TSS (expl ratfor), UNIX and the Psych Dept's PDP 11. If you are interested in finding more about Ratfor, see the book **Software Tools** by Kernighan and Plauger. Not only does this book introduce Ratfor but it is also one of the best books on programming I have ever read.

Angus MacVee

N-jineer Jokes

Ye Olde Flacid Toole

What is an engineer's marriage proposal?
You're WHAT??

Did you hear about the engineer who got mad and threw himself on the ground?
He missed.

Did you hear about the engineer who asked everyone to save their burned out light bulbs?
He needed them as he was building a dark room.

What do you get if you mate a gorilla with an engineer?
A retarded ape.

A definition of gross ignorance: 144 engineers.

Mathie: Do you always drink your beer that fast?
Engineer: Yep. Ever since my accident.
Mathie: Oh, you had an accident recently?
Engineer: Yep, some guy knocked my beer over.

TUESDAY, JUNE 14th
VOLUME 14 NUMBER #3

mathNEWS

Hi there people!

Evidently you people out there don't have any problems or you have problems but just don't want any help. There is also the distinct possibility that you thought our new column format was just plain lousy.

The problem seemed to be the fact that you liked having us give you problems to solve, rather than you giving us the problems. That is precisely the reason why we switched to Dear Sam'n'Tak in the first place. It was more fun (and easier) for us to read your letters than it was to think up new stuff for you people to do. Since we are more motivated than you are, for the continued survival of the column, we will switch formats.

Not wanting to jump into unexplored waters, we asked around to make sure that our new column wouldn't flop like the last one. It is in this light that we take great pleasure in presenting to you the premiere column of *Sam'n'Tak's Trivia*. Each week we will be presenting a number of questions from the remote and distant past. They will range in difficulty from "Aw come on!" to "You gotta be kidding!". Subjects will vary from sports to Star Trek and from dollars to donuts. So without further ado, here are the first series of questions. (Drum roll please)

This week's theme is Walt Disney favourites.

Easy

What are the names of Donald Duck's nephews?

What colour was Snow White's hair?

What was the name of Mickey Mouse's dog?

Who was Mickey Mouse's girlfriend?

What was Uncle Scrooge's last name?

Medium Difficulty

Name the seven dwarves. (please list them in the order that they come to mind.)

In what cartoon did Mickey Mouse first appear?

What was the name of the rabbit in Bambi?

What was the dog's name in Peter Pan?

In what movie did Jacques the mouse appear?

Hard

What city is Disneyland in?

What movie was the song "Zippity Do Da" written for?

What was the name of Merlin's owl in The Sword in The Stone?

Name Scamp's parents and owner.

Name the kingdoms of Disneyland.

Easy questions rank 1 point; medium ones, 2 points and hard ones, 3 points.

Well there it is folks! Go to it. We figure that you have to be a pretty good Disney expert to get all the answers. We'll publish the names of the people with the highest score in our next column. You can send your answers to us through the **mathNEWS** mail-box or the TSS mail system. Send TSS mail to userids rthtakashima or scveffer. See you in two weeks.

Sam'n'Tak

CSC FLASH

Last week saw 2 excellent meetings of the CSC. On Wednesday evening, just under 100 people turned out to hear Dr. Doug McIlroy of Bell Labs speak on voice synthesis techniques, while Dr. Jerome Saltzer of M.I.T. attracted a sizable audience when he discussed the MULTICS file system the following night.

Dr. McIlroy's talk centered around the difficulty of formulating language rules which will allow a computer to generate reasonably clear English phrases in real time. The scheme, in increasing levels of desperation, was:

1. recognize the word as a "known" word, either through table look-up or by its simplicity (e.g. "the", "a",...)
2. remove endings like "s", "ies", etc..
3. apply known rules of phonetics to the word
4. spell out the word (e.g. "CSC")

There are many rules of phonetics which can be applied but, as any grammar school student knows, there are exceptions to every rule and so the synthesizer does make mistakes. Better versions of the synthesizer are far from real-time. One method cited for formulating pronunciation rules was the extreme case of putting all of Webster's Pocket Dictionary on-line; a list of all words containing a certain word pattern (e.g. "ie") could be made quickly. A subset of the words in the list conformed to some rules of pronunciation; the remainder were scanned and eventually all were pronouncable either by rule or by rote. Many European languages (notably Spanish and Italian) have much simpler grammar rules, but unfortunately there is no method yet developed for reproducing the necessary trilled "r" (nor a good gutteral German accent).

The demonstration of a talking computer which followed was made possible by using 2 telephone lines simultaneously: a terminal on one line enabled Dr. McIlroy to send commands to the computer at Bell Labs in New Jersey, and another line was used to transmit the output (voice) from the computer. The most fun part of the evening was being able to type in your favourite word at the terminal and hearing the computer speak it immediately (apparently the computer is American because it says "zee" for "z").

The following evening professor Saltzer gave a historical talk about MULTICS. He described its early beginnings as a project, and the process they used to go about choosing the hardware for the MULTICS machine. Apparently when the decision was to be made between IBM and General Electric as the manufacturer, IBM said they would consider the engineering specification changes that M.I.T. was requesting, while GE said they would send their chief design engineer down to work for them on the project ... so they chose GE.

Saltzer talked about the development of the PL/1 compiler for MULTICS and the use of PL/1 as a language for systems programming. An interesting co-incidence was that Dr. McIlroy who spoke at the previous night's meeting was one of the two authors of the first MULTICS PL/1 compiler.

For most of the evening the audience sat listening to Saltzer in silence. After the talk, he opened the meeting for questions, and people asked about the file system, and various design considerations in MULTICS. Some people brought up UNIX as an example of a more elegantly designed file system, but Saltzer explained that Ritchie and Thompson had the benefit of other people's experience in their design.

Three more CSC meetings are planned this term, and a field trip to Toronto International Airport is in the works for the very near future.

The next meeting is Thursday June 16 at 7:30 in M&C 5158. The speaker will be Roger Moore of I. P. Sharpe Associates. He will be talking about a high level language for data communications. As usual, coffee and donuts will be served.

Go placidly amid the pidgeons and caretakers and think what peace there would be in the abscence of dpbrown. As far as possible without surrender be on good terms with a hack for he can detail the wonders of the 'Bun. Speak your COBOL quietly, no one wants to hear; and listen to others, even the dull and ignorant; profs too have their story. Avoid loud and aggressive persons, for surely they come from Mathsoc. If you compare yourself with others, you may become discontent; for others will always get greater OSAP loans/grants than you. Enjoy who you've got as well as entertaining plans for those nice first-years. Keep interested in your option, even if it's CA; for someone will always require an audit. Exercise caution when using SNOBOL; for the compiler is full of trickery. But let this not blind you to what is left of DEBUG; many persons strive for high marks; and on WIDJET life is full of heroism. Be yourself, and have everyone laugh at you. Especially, do not feign knowledge of algebra. Neither be cynical about Honeywell; for in the face of all the crashes and disenchantment, mail is still fun. Take kindly the counsel of the consultant, gracefully surrendering file permissions. Nurture strength of spirit to shield you in drunken stupor. But do not distress yourself with transformations. Many fears are born of n-space. Beyond a wholesome discipline, watch what you eat from C&D. You are just food for the university, no more than a BIU on the hoof; you have no right to pass STATS. And whether or not it is clear to you, integrals never unfold. Therefore be at peace with Dean Forbes, whatever you conceive Him to be, and whatever your useless labours and misinterpretations, in the noisy confusion of the math-lounge, keep peace with your tutor. With all its sham, drudgery and broken dreams, some people still graduate. Be careful. Strive for the pub.

FOUND IN AN OLD, BATTERED DEBUG SHRINE, UOW

DATED 1984

-submitted by hgacolquhoun

The Animal Farm Report

(For 3A and others who care...)

It was rumored that no four such incongruous personalities could be put together under one roof.....and live. They were right, and thus we felt obliged to bring you the continuing saga of THE ANIMAL FARM. The four principal partcipants are:

ANIMAL #4 : NoSlugs
ANIMAL #3 : Clumsy
ANIMAL #2 : Obstinate
ANIMAL #1 : Grumpy

PART 1: Choosing of the Cages.

Now, you see, there are 4(four) animals and ONLY 3(three) rooms. The problem: Who gets their own cages upstairs, with easy access to the can (?)??????. And no one could agree on the method (cheering from the crowd increased). Side bets doubled when we chose cards. The audience was highly distressed (ie. Hevy, Ger, Baddie, Thex, Sidney, Nile, Burt, and others of no note) when we demanded a closed session for the drawing of the cards. The two that had to share the downstairs room (the losers) demanded a recount, but to no avail. Grumpy held firmly onto his Ace while he danced on the table. Obstinate tore his Four into little pieces while Clumsy tried to stick his head in the oven and commit suicide. NoSlugs just looked smug.

(End of Part 1).

PART 2: The Sad Tale of our (Non-) Stereo.

(or: How we Bounce our Records)

Never was there a better floor. It would have made a better trampoline. Even our Accu-Trac system couldn't compensate for such wild fluctuations. We determined that tracking with two nickels and a dime wasn't sufficient. Anybody got a silver dollar?

The next idea was to mount the turntable on the wall. What a mistake. The "Search for the Studs" would have put any well-driller to shame. The only thing we found was blood when Grumpy got his head in the way. Now we have an interesting geometric array of holes in the wall (the stereo still doesn't work). Anyone care to buy two hundred frisbees?

NEXT WEEK:

(1) The tape deck dies.
(2) The accident(s) (betcha can't take just one!!)
(3) The cable and other non-events

JJ Longe GOES ROUND THE BEND!

This article sees the unveiling of the new signature (as noted above). While the old one will still appear for various transitional reasons, you will probably be seeing more of this one in the next few months. The new signature features more concise j's and a slightly different, more unique spelling not used since my appearance at UW many years ago. (I also hope this new signature will help eliminate any confusion between myselfand a certain Social Credit perennial candidate in Cambridge.)

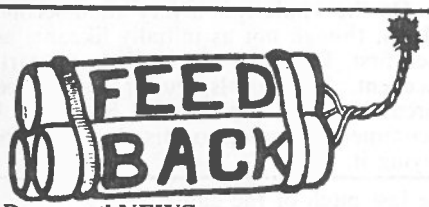
Moving on from style to substance, a few words about the upcoming Federation fee referendum. While the Engineers have a few good points about the idea of forcing people to join an organization that they do not want to join, I feel they fail to realize many important realities. Grant you refundable fees would be a useful way to indicate one's dissatisfaction with a poorly operating Federation. In reality, though, many people would take out their fees so as to have a good time or to spend twenty seven odd dollars on other things. They would be getting refunds for the wrong reasons, not realising that one of the other things the $27+ is spent on might be part of a $200 tuition hike (and if there is no Federation how can they effectively organize opposition to the hike?).

If I felt that the Federation could survive with refundable fees, I would be quite sympathetic to them. However, regardless what proponents of refundable fees say, I don't believe the Federation could survive too long with a refundable fee structure. Some evidence in support of this is available from nearby U. of Guelph (where Dr. Burt Matthews was Vice-President Academic near the time of the collapse of the former Guelph student federation).

Another problem with refundable fees, is that of people taking their fees back and still benefitting from the intangible (and tangible) benefits the Federation provides (like it or not) to all students. Would these refunders become the "welfare bums" of the Federation? Even if the Federation did survive, could it have legitmacy with other authorities if a sizable minority of students were not members? Other groups with either variable or unknown numbers, would rise and claim (I believe wrongly) that they were the "true" representatives of the students.

Of course being not totally against refundable fees, I woulld support the idea of a 50-50 split refundable-compulsory fee. This would allow the Federation to still function (Yes I really do believe we need a Federation), but prevent it from becoming too arrogant and isolated from the students. I believe a $7 a term split each way would be fair. If however the referrendum is inflexible and only offers the two extremes, I will probably support a compulsory fee. If the fee was refundable, I would still pay it. I base this claim on the fact that this term I have as a part-time student (who normally is not charged Federation fees with tuition), tried three times (at registration, at the pub, and the ice-cream stand) to pay my $13.75 for the term. I have been refused each time but will not give up until my fees are accepted. While I feel the Federation has problems (not the least of which is Docherty and the chevron), I don't believe the "do-nothing" option (as first dismiised and later practised by Engsoc) is the answer. Like in any organization one should make a "serious" EFFORT to work for change in the Federation before disbanding it.

Concluding, I'd like to comment on a recent happening in the Federation office. Recently the job classification of a Federation employee, Sylvia Hannigan was declared "redundant". I must say here that I don't think too much personally for Ms. Hannigan or her job performance and I have also felt since 1975 that herjob of Board of Publications Office Manager was unnecessary. However, I also feel that if she was suitably qualified for similar jobs held by other employees with less seniority, that she should have, for the sake of fairness, been offered the alternate employment. If there were grounds to actually "fire" her then that should have been done through proper procedures. It is true that as an employee of the university she was entitled to certain procedures. Now I know that Ms. Hannigan has some symapathies with those people in Free and Democratic Publications, so I hope that the athletes in action don't construe my concern over the declaration of "redundancy" of Ms. Hannigan as support for any of their aims. I am just concerned over fair action and I don't see this redundancy action as an "expedient" move.



Dear **mathNEWS**,

boff can't spell. NECROMANCERS

Puff is crazy. 3033 is *not* a **drastic** departure from 370 numbering: the 370/n is built around a 3000+n CPU, 3000+n power supply, 3420 (usually) tape drives, 3505 card reader, 3330, 3340 and/or 3350 disk drives, etc. Also, AT&T has not *ordered* only placed letters of intent, which may or may not be followed through.

exil q. trob

ps. any FORTRAN freaks out there will be glad to know that GOD is REAL by default.

Dear **mathNEWS**,

I wish to protest the flagrant violations of the Mathematics Society Council rulings by certain individuals (unelected and unacclaimed) of the Mathsoc Executive. Specifically I am refering to the "No Smoking" directive passed in Fall of '76. Even the president (interum, never elected, never even acclaimed) ignores this order, and ignores all complaints about it from Math Society members, and council members. Further, when a motions censoring them for these violations were passed in council, they went straight down to the Mathsoc office and proceeded to smoke.

arwhite
3rd yr, reg rep.

028 god wed june 8th 21:14
i protest greatly. my command was not obeyed. Since my last note, why have you not started publishing a dead baby suppliment?? i have got several thousand dead babies up here and all of them love to read dead baby jokes. i you do not immediately start publishing such a suppliment i will terminate my subsciption to **mathNEWS**. (to ed: i may terminate your subscription to life also)

Dear **mathNEWS**,

This letter is to protest the horrific food which is served at the village. The food is so poor that even Care would reject it. Why don't we receive Red Cross packages?? We are suffering from malnutrition. (not to mention starving to death) We hereby form the Anti-Village-Food-Alliance to protest this. (oops...that isn't food, it's **** (*ed: censored*)).

a concerned villager.

" I DENY IT. "

jjsvincent

" DON'T COUNT ME WITH THAT BUNCH, I ONLY LIVE THERE "

dpbrown

" I HAD NOTHING DO WITH THAT PIECE OF GARBAGE "

jbdoherty

" MY BRAIN HURTS "

hgacolquhoun

Dear **mathNEWS**,

tis nae wise to let on thaet we all be fooles, aye, and some a wee bit mare than othern. take thaet ciaran whatsisname. Thaet sickly Irish sloth thaet looks like a corkboard what been used fer practicin yer aim down the auld wood house oot in the back o' the yard, before they built them things inside, wi' sinks and all. Well, I'll be seein ye lad, take gude care, now.

Angus MacVee

THE TIME HAS COME, THE WALRUS SAID...

I confess. I slept on a waterbed and liked it. In fact, I liked it so much that I immediately went out and found out all about waterbeds.

Waterbeds cost about $150 but you can get one for as low as $10. Usually waterbeds come with a frame, to keep the bed in one place, and a heater, to keep the bed warm. If you only pay $10 all you get is a used bed. You don't really need the frame around the bed, except that it helps to keep sharp objects away. The only problem with a frame is that the bed is not as bouncy. You also don't need the heater, and can instead use a pad of foam about half an inch thick over the bed. This still gives the feel of a waterbed and would only cost you $10 for the foam.

Waterbeds are great fun. They are great to sleep in, especially with a member of the opposite sex. They are a great conversation starter ("Want to come see my waterbed?") and a great conversation stopper ("Want to try my waterbed?"). They can be very inexpensive, much less than an ordinary bed would cost. And they are very big.

Of course everything is not roses with waterbeds. First, smoking in bed is a no-no. Second, they have a higher tendency to leak than ordinary beds. If you have a very big leak your room becomes a lake. Small leaks are easy to fix with some glue and some spare vinyl. Leaks can occur at some very inappropriate times, like just as the girl is about to come across.

Waterbeds take about 40 minutes to fill. One person and a hose is required (also some water). Try not to be the one paying the water bill. Also valuable rugs should not be underneath the waterbed because of water damage. A window is very convenient for siphoning the water out in case you have to fix a leak. However if you are in a great rush (see above) it is possible to fix it on the spot.

Don't rush about and buy a waterbed. Try one first for some people have been known to get sick on waterbeds. But for most people a waterbed opens up a whole new experience in sleeping pleasure.

Since this is **mathNEWS** I have to mention the chevron, since we all are secretly jealous of it. On Saturday June 11, 1977 the Democratic Centralists took over the chevron office for 4 hours in a bloodless victory. The victory celebration consisted of two pizzas.

In 1975 a new rock group called HEART released their first album called DREAMBOAT ANNIE. The group mainly consisted of Ann and Nancy Wilson. Ann did the lead vocals, and Nancy played acoustic guitar. Roger Fisher, their lead guitarist, provided the necessary depth and commercial sound. Because they recorded their album in Vancouver they were Canadian content and they quickly got airplay. It was not until 1976, though, that they finally broke out on the U.S. market, thanks due to their Canadain fans, and being back up group on B.T.O's U.S. tour. Almost two years after the record came out ROLLING STONE managed to review it.

Stuck with an unknown label, MUSHROOM RECORDS, the group had little promotion and wished to change to a large label. Money was the main consideration. They attempted to escape from the contract by using a small loop hole. After recording an album called MAGAZINE SMILES in late 76 on Portrait label (a divison of CBS), they were stopped by an injunction. While the battle to quash the injunction raged in the courts HEART decided to re-record the album, and did so during the winter of 77. Finally in late May they were able to release the album.

The album is called LITTLE QUEEN, and it is very good. One notices several differences right away between their first album and this one. The production job is much better, even though they kept the same useless producer. The album is recorded in Seattle, where most of the band comes from. Thus the Canadian content status may not apply to this record. The group now consists of six members, keeping the best of the three drummers who played on DREAMBOAT ANNIE.

The first song of this album is also their first single. It is called Barracuda and is very commercial sounding, though not up to Magic Man or Crazy on You of their first album. The second song is Keep Your Love Alive, and is lovely song, building up from a simple acoustic background to Ann's vocals to a good solo effort by Fisher. The next two cuts, which blend together, form the best cut of the album. The first song utilizes two mandolins, played by Nancy and Fisher, and a Moog bass, supplied by Howard Lesse. The effect is very pleasing. The song moves into the next song, titled The Dream of the Archer. The lyrics of this song deserve to be called poetry. Combining excellent vocals by Ann Wilson, and the mandolin sound from the last song, the song has a good chance of being an FM hit. The last song on the first side is Kick It Out, a trivial song by Ann Wilson.

The first song on the second side is the title cut Little Queen. This song is not as good, commercially, as Barracuda, and may not do so well on AM. But still it is quite a nice song. The second song is Treat Me Well, by Nancy Wilson, and is not so good. The next cut is Say Hello, a refreshing song that has plenty of promise as an FM or AM short cut. The second last song is Cry to Me, a solo effort by Ann and Nancy Wilson. It is terrible. The last song is Cry Again, an excellent Pink Floyd imitation. It combines Roger Fisher's great guitar work with a half decent production.

On the whole it is a very good second album, though not as initially likeable as their first. The lyrics are, for the most part, excellent. The vocals, guitar work, and percussion are top notch. But still I recommend listening to this album before buying it.

Bring on the Yankees

BIZ-BALLERS WIN FIRST GAME

Special to **mathNEWS**

WATERLOO- After a slow start at the beginning of the season the BIZ-BALLERS have begun their first winning streak. They now have one victory under their belts.

"We weren't ready for the first game against the Write-offs", says Defensive Manager Dave "Stubbs" Stubbins, "Our fielding was shaky and we had more fans in the batter's box than in the stands. But the biggest blow came when the uniforms failed to arrive."

It seems the uniforms are the key to the BIZ-BALLERS' strength. Without them they are like Samson without his flowing locks. Anne Milne of the victorious Write-offs agrees, "Without their blue caps and shirts they were like putty in our hands. Completely lifeless." Nelson Tishcoff, the BIZ-BALLERS Stats Manager who conveniently lost the statistics for the game, concurs, "We didn't lose that game, they killed us!".

Uniforms Arrive

But after a lot of pestering and nasty phone calls, the uniforms were ready for the second game of the season against the Apple Shiners. "The uniforms were like a breath of life. I've never seen a whole team recover so completely.", says Medical Manager Mardi Adams.

Even in the inclement weather, 15 enthusiastic BIZZIES arrived at Columbia Field itching to play ball. "The Apple Shiners weren't as prompt as we were but they were sure worth waiting for. They certainly had a lot of talent covering the bases.", says Team Manager Kevyn Richardson. (The Apple Shiners core consists of 2B Recreation females.)

Well, after a lot of horseplay and a little bit of softball, the BIZ-BALLERS managed to clobber the Shiners 31-30 on the last pitch of the game.

Loyal Fans

"I admit it was a squeaker, but we wanted to keep the game exciting for the fans", says PR Manager Charlotte Penrose. It seems that the BIZZIES have quite a following of fans, and sometimes let them substitute for their heroes in the games. They tried it in the game against the Apple-Shiners and nearly lost Chris on her way to first base.

With the victory under their belts, Practice Manager Jan Telford is scheduling a number of exhibition games with Mathsoc, JJBT, 3A Math and the Short'n'Sassies in order to maintain the momentum of the team.

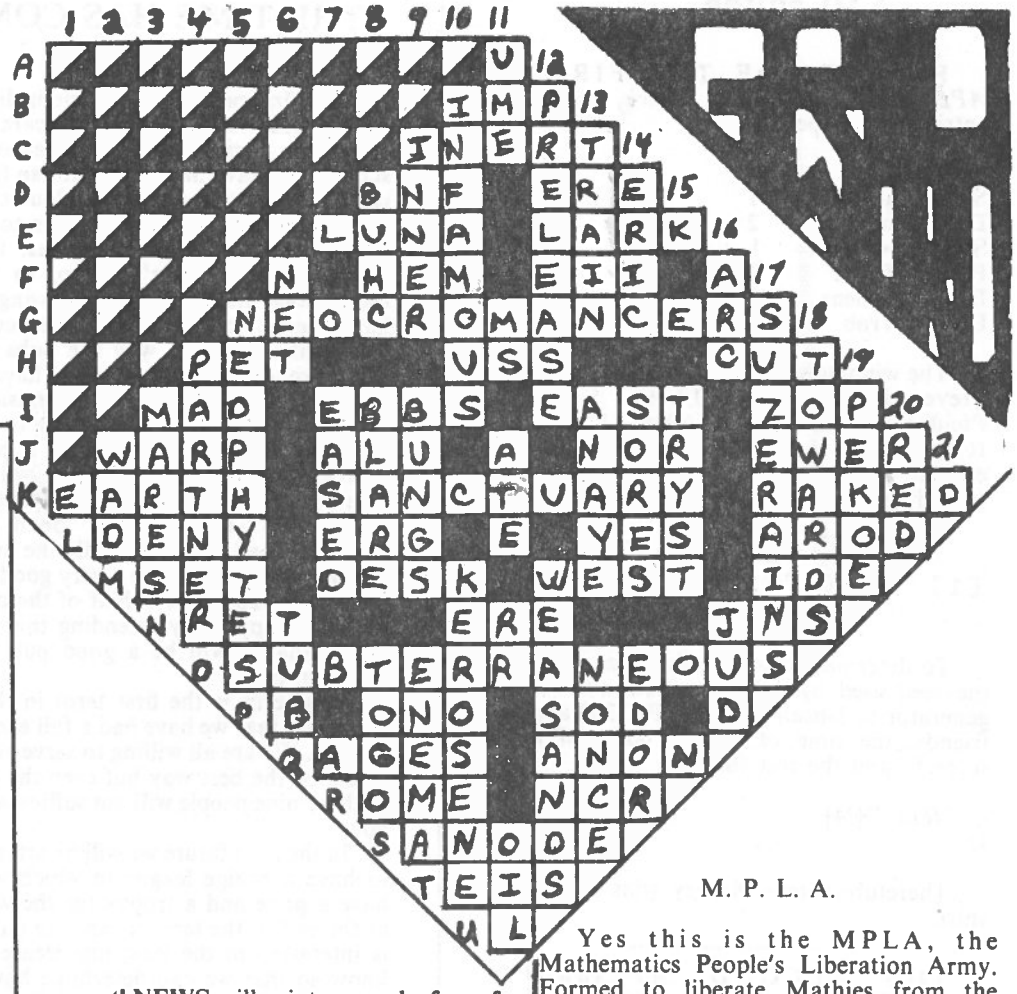
General Manager Sam Veffer describes the BIZ-BALLERS' new style, "We're just like Tak's spaghetti now.....LOUSY!!!"

Slurrrrp....GO-BIZZIES-GO..

This week we had very good responce to the gridword. Well, six submissions isn't all that bad. Anyhow, I wish boff would learn how to spell, as does the trob. A "nice try" goes out to Ray Butterworth for his entry... it's a tub not a tun. Most of you seem never to have heard of a zop fault (not Ludwig von or van). Jo Anne wanted her name mentioned, so here it is. Our victorious contestant is none other than:

-> msyates <-

You can pick up your T-shirt in the MathSoc office, with proof of who you are. No gridword this week, so try and keep yourselves awake during class some other way!



Rabbits

These are the infamous "RABBIT JOKES"; a translation for the german one (they are all translated from the german) is available at my place; bring whips and chains.

A rabbit goes to the cafe and asks,"Hab u got code coffee?". Waitress looks at him, says, "No, we don't sell cold coffee." Rabbit goes away. Next day, he's back, and asks, "Hab u code coffee?" Waitress again tells him that they don't sell it. The third day comes and the same question is posed, with the same response. After this, the waitress decides she'll be ready for him when he comes on the fourth day. "Hab u code coffee?", he asks when he comes in, to which she replies "Yes, we got it ready specially for you!" Says the rabbit,"Can u heed id up for me?"

Rabbit goes into a hardware store and asks,"Hab u carrods?" The store-manager, somewhat taken aback, says,"No, we don't carry any Carrots." The rabbit goes away disappointed. On the next day, he comes in and asks,"Hab u carrods?" The manager tells him to go away, that they don't have any carrots. On the third day, he comes in again and asks the same question, to which the manager replies, "If you come in here again, I'll bash all your teeth in!" On the fourth day, the rabbit comes in again, and lo and behold, asks the same question. BASH!!!, the manager knocks all his teeth out. Returning on the next day, the rabbit asks, "Hab u carrod-juice?"

Hasen geht zur Apotheke, und fragt "Had du Tuerken-Kalendar?" Der Apotheke hat von so was nie gehoert, und sagte es auch gleich. Der Hasen geht weg. Am naechsten Tag, kommt er wieder herein, fragt wieder nach "Tuerken-Kalendar", und wird wieder enttaeuscht. Am dritten Tag, kommt er wieder herein (Hasen lernen nie) und fragt "Haddu Tuerken-Kalendar?" Direkt sagte der Apotheke dass er von so was nie erfahren habe, aber dass der Hasen hinten nachsuchen sollte; die ganze Kalendar die er hat seien da. Nach kurzer Zeit, kommt der Hasen zurueck und sagte: "Hadded du doch Tuerken-Kalendar gehabt.", und zeigte, was er in der Hand hatte. "Aber das ist ein Advens-Kalendar!" sagte er. "Ja! Sieht du? Tuerken geht auf, Tuerken geht zthu, Tuerken geht auf, Tuerken zthu, ..."

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**.

FOR SALE : One used 1960's long-haired freak wig. Natural hair. Like new, last used in 1976. Creates charisma in a flash. Call Ciaran, 886-1970 at the Majestic, Princess St. Must sell as am being deported.

For sale: Garrard 50 MK II turntable with Sure cartridge. $60. Call Mark 743-6136.

Needed: somebody to assist Tom Carnduff from the pub on friday afternoon about 4:30. Last week no-one showed up and he scraped his knees as he crawled home. We are willing to pay good money to help this poor drunk.

Needed: a good catcher for the big nine baseball team. the last catcher was cut from the team because he made too many errors.

reply to KEBUAJITTI
via honeywell mail

007 genesis wed june 1st 18:05 (memo)
Any person who is interested in publishing their creative efforts call Sam Wagar, Arctic Madness magazine co-ordinator extension 2345. (these efforts can include poetry, short stories, or graphix)

M. P. L. A.

Yes this is the MPLA, the Mathematics People's Liberation Army. Formed to liberate Mathies from the drudgery of everyday life. We will steadfastly oppose the ERA (Engineering Rights Amendment). How can such creatures have equal rights to an Artsie let alone a Mathie? As I write this to you my revolutionary peoples, preparations must be begin in earnest for enemy raids scheduled to start around the 20th of this month. Volunteers should see CheChe (also known as JJ or Chico) in massive compund 3038. You will be provided with your liquids and bucket. Join the MPLA, protect the revolutionary Mathies from the reactionary ERA and AIA.

mpla

Oh we are the Widjet users
All Mathies in 1B
We sit and programme all day long
No terminal is free

We are truly the most patient hacks
We almost find it fun
To sit and wait five minutes
In queue position 1

So what if we can't archive
And sometimes we can't run
We'll sit around till doomsday comes
To get our homework done

Oh wow, my job's completed
Oh no, I missed a line
Flip, correct and resubmit
Position 29

Oh we are the Widjet users
All Mathies in 1B
Oh look, that guy, he has gone mad
He's kicking his TV!

APLsauce

RESULTS OF THE FIRST *APLsauce* CONTEST: There were 9 entries from 7 people:

André Cyr	1
Steve Harvey	1
Dave King	2
Steve Locke	1
Frank Pfeiffer	2
Doug Stephens	1
Exil Q. Trob	1

The winning solution was submitted by Steve Harvey, Steve Locke, Frank Pfeiffer, and Exil Q. Trob (Dave Gillett). It was the most straightforward and elegant solution (and also the fastest). Here it is (it operates in 1-origin):

```
     ∇ R←N COMPRESS C;M
[1]    R←(,N∘.>⍳M)/,⍉
         ((M←⌈/N),⍴N)⍴C
```

To determine who gets the prize, I set the seed used by APL's random-number generator to I-beam 20 (on APL\360 and friends, the time of day in 60ths of a second), and the rest follows:

```
   'HLPT'[?4]
H
```

Therefore, Steve Harvey wins the T-shirt.

THE SECOND *APLsauce* CONTEST: Write a function *REV* which reverses the letters within words in a vector of text. For example:

```
   REV 'THE HOUSE'
EHT ESUOH
```

Anything other than a blank is considered to be a letter. The function is only required to work for character vector arguments. Origin independence is not necessary. Branching and recursion are not permitted. The function should be able to handle words of length zero (e.g. the case `' THE HOUSE '`).

Entries can be left in the **mathNEWS** box on the third floor (opposite the lounges), and should be in by Tuesday, 21 June.

Next time I'll have a short introduction to generalized arrays (a proposed extension for APL). *)OFF*

THE TIME HAS COME

This first part of my article is directed to all those students who don't care much about the social and athletic aspects of school. We have had three pubs so far this term. The first was a tremendous success and the society sends its thanks to those who made it as good as it was. Unfortunately, they didn't seem to enjoy themselves much as the following pubs have been a flop. We, the society council, would like to know why the pubs aren't getting much responce. We may have picked a bad time or maybe the music isn't what you like. We sure would like to know.

Next week we are holding a pub on Thursday, June 16th. Music will be supplied by **GHOST.** In the past John Denham (GHOST) has been quite successful and his music tells the story. I personally feel that he is a very good DJ. I am now pleading on behalf of the council for your support by attending this pub. I assure that it will be a good pub if you come on out.

This term is the first term in the last two years that we have had a full executive council. We are all willing to serve you, the students, the best way but even the efforts of those nine people will not suffice without you.

In the near future we will be attempting to have a bridge league in which we will have a prize and a trophy for the winners at the end of the term. If anyone out there is interested in the least bit, please let us know so that we can determine how long and how many people are going to be there. We also are tentatively planning a frisbee tourney and a ping-pong tourney. Again, this will depend on your interests.

One last thought before ending. We are interested. We want you to be interested. Help us shape up your campus life to your interests and desires. Any suggestions and or help will be greatly appreciated. This council is for your use so use us.

Your Prez
Andy Mueller

good morningz (trying to ~~xxxxx~~ sound bright and cheerfull.... and not succeeding too well...grrrrrz) i hste this typwriter well, this issue again took six days to complete...mybe i should reschedule the production meeting to friday nite instead of tuesday....somehow i don't think that would go over too well...mathNEWS is funded yet independent of MathSoc...all content of articles is the sole responsibility of the writer. i'm not taking the rap for this one! anyhow, these wonderful beautiful peoples (?) were here sometime during the past six days, even if i wasn't ..jbdoherty;rhtakashima;scveffer;akfm;ghashton down frum ottawer;maddog down frum tranna;sounds like a convention....rohan was here with his apls..... hopefully graphix will get this early this mornig (monday incase you couldn't tell) and ~~xxxxx~~churn it out into...hmmmm, let's see, shall i exercise some editorial perogative??? nah, i'll get the ususall 1000~~x~~ copies of six pages each...don't forget the math pub this thursday, june the 16th m&c 5136 at 8. wgmerrick is disgusting; n~~o~~o only is he rich, he is one of the raunchiest characters i've run into .. he told me a story last night about how he had ~~xxxxx~~ to forego all...nah, it's too crude. you might think you picked up an ignews. a few other people came to ming...the everpresent JJLONGfellow...allison and puff working in concert on....CSC Flash!! johann, we'll be using type for sure next meeting on TUESDAY, JUNE 21st AT 8:00 IN MATHSOC! be there for christsake we need all the help we can get.oh good only one more line to type. if you come out to the production meeting, you might get a delicious piece of PIZZA PIE pizza... it's 0810 hours and this has been bun the ed.....