RESULTS of QUESTIONNAIRE #2

The latest in the **mathNEWS** series of questionnaires received 102 responses. The survey was run on Friday, October 21st.

The first section concerned the Feds. We give only the results for undergraduate mathies in this section (all 90 of them).

1) Will you vote in the Fed referendum? The results from this question indicate that our sample is one of voting mathies rather than ordinary apathetic mathies.

WILL	**70%**
Probably WILL	27%
Probably WON'T	2%
WON'T	1%

2) Are you in favour of refundable fees?

YES	28%
UNDECIDED	16%
NO	**57%**

3) IF Fed fees become refundable will you ask for them back?

YES	12%
Probably YES	11%
UNDECIDED	20%
Probably NO	23%
NO	33%

4) Should the chevron have a seperate fee?

YES	**62%**
Qualified YES	18%
UNDECIDED	9%
Qualified NO	1%
NO	10%

Now for a few comments about the feds: "Refundable fee for Radio Waterloo", "the Federation promotional film was a waste of student's money", "separate chevron and Radwat fees", "Won't take back fees unless Smylie is elected", "with a separate chevron fee hopefully the quality would improve", "The Federation claims that refundable fees will cause it to cease all (most) of its services. Surely this would only be necessary if most students claimed their fees. It sounds like BLACKMAIL.", and "It seems that there is not enough Fed—Chevron control. The chevron is a student newspaper so the students (Fed) should be able to **control** it."

The next section dealt with proposed changes to requirements for a math degree. Many people felt there was not enough information available about the topic (essay requirements). However, **mathNEWS** does not have very much data about the proposed requirements so we were unable to give much information. Watch future issues of **mathNEWS** for details on this subject.

1) Are you in favour of having 3 essays as a math degree requirement?

YES	11%
Qualified YES	18%
UNDECIDED	15%
Qualified NO	10%
NO	46%
Other	1%

The essays generated the following comments: "Absolute, totally unqualified **NO**. Perhaps if we had courses which had these essays and as degree requirement we had to take a certain number of these course. But not above and beyond current requirements.", "No unless credit is granted in the form of a half course elective.", "Absolutely, completely NO! (unless work term reports count)", "So long as they are not too long.", "If three essays are required then english should also be a core requirement.", "Would writing work reports exempt you from writing the 3 essays? If we have English literacy requirements for students, why not have literacy requirements for *professors*, too??" and "Will work reports for co—op's be considered as essays."

The last section dealt with math pubs and music.

1) Do you go to math pubs? (102 responses)

YES	10%

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mathNEWS

Coming Soon:

The GREAT MATHweek

Friday November 4
Broomball Tourney
All day event
St. Clements Arena

Saturday November 5
Pinball Tourney
12:00 noon in CC

All night movies
No Blade of Grass
The Golem
When Worlds Collide
Westworld

Monday November 7
Slide rule contest
12 noon M&C
Third floor lounge

Tuesday November 8
Wine and Cheese Party
Music from 8—1 M&C 5136
Free admission to mathies

Wednesday November 9
Bridge tourney 6:00 pm
M&C 3rd floor lounge
$1.00 per person

Thursday November 10
Table hockey tourney
10:00 am M&C 3rd floor lounge

Molson's Tour
12 noon Bus service provided
to Toronto

Friday November 11
Semi—Formal
Waterloo Motor Inn
Chelsea Morning
Dinner at 7:00
Dancing 9:00—1:00

WORKERS NEEDED!!!! See Andy Mueller for details.

Sometimes	40%
NEVER	45%
Hope to	4%

2) What type of music do you want at pubs? This one was a difficult one to analyse. Votes were counted for and against various types of music. Each vote was weighted as follows: 3 —if the person answered *yes* to question 1; 2 —if they answered *Sometimes*; 1 —if they answered *Other, hope to*; *Never's* were excluded.

Rock	85
Disco	28
Pop	28
Jazz	28
Blues	18
Classical	8
Folk	4
Punk	0
C&W	−1
Bubble Gum	−4

The rest of the comments were: "What is bubble gum?", "Moderate volume", "Pubs should be cancelled unless a better attendance is noted.", "Monday night would be a better time for pubs.", "Only raunch & roll", "Haven't yet: Should be more **pub**licized. Ha ha", "**mathNEWS** should be banned" and "The **mathNEWS** is the best rag on campus."

Federation
Activities

POST NO BILLS

PUBS

Halloween pub featuring SCAMP
South Campus Hall
Friday,Oct.28 , 8:00 pm
Students $2.00 Others $2.75

South Campus Hall featuring Jackson Hawke
Friday, Nov. 4 , 8:00 pm
Students $2:00 Others $2.75

CONCERTS

Gentle Giant
with Feelgood and Rose
Wednesday, Nov. 2 , 8:00 pm
Students $5:00 Others $6:00

Harry Chapin
Thursday, Nov. 3 , 8:00 pm
Students $4:00 Others $5:00 (advance)

Both concerts are in the UW physical activities Complex
Tickets are available at:
Centre for the Arts, Sam's, Art's Recreation,
WLU Student Union, Kadwell's, Muntz in Staford,
U of W federation office
(tickets are $1.00 more at the door)

FEDERACTION

With the Federation elections over, I hope to be concentrating on some other issues of interest to you. If you have any comments or questions, write or phone me at Mathsoc x2324 (886−0510 after hours) or honeywell mail userid "jjlong".

In speaking about the Fed elections, I would not be honest if I did not say that I was delighted at the victory of Rick Smit. It feels good to be part of a solid majority victory, after many months of minority government. With the current situation, I strongly believe that Rick is the most capable person to lead the Federation on the road to respectability and restore it to a strong position. While I disagree with many of the views of the Engineering students on this campus and have criticised them in the past, I feel that now is time to put the differences aside. We must show the Engineers that we do care about them and their interests. We must try to get them involved in a Federation where they once played an extremely active role. As clearly shown by the presidential vote, where Engineers and Mathies agreed, and that is that Rick Smit is the person most able to lead us in this task. I congratulate Rick Smit, and give my condolences to the losing candidates. I urge them, both of them, to now get behind the Federation and make it an organization that all students can be proud of.

I was somewhat disappointed in the victory of refundable fees by a 1933 to 1489 margin. However I am glad that the Mathies stood firm and voted overwhelmingly against refundable fees. I was gratified by that part of the result. In fact most faculties rejected refundable fees. Refundable fees only won because a large number of both on−term and off−term Engineers voted in favour of them, but those are the breaks of the game. We cannot criticise students for getting out to vote. We must abide by the referrendum, and not do any Thompson two−stepping. We must implement the refundable fees. If at another time students call for a compulsory fee referrendum and vote in non−refundable fees, only them we should change. I feel with a capable person like Rick Smit in charge, the federation has a reasonable chance of surviving with refundable fees. In the meantime, before refundable fees are implemented in September, we should step up our efforts to get referrendums on the question of giving the chevron and Radio Waterloo (CKMS) their own separate refundable fees.

Finally, I give my congratulations to John Ellis and A.R.White who join Steve Risto and me as your Math reps. They are experienced in Mathsoc and quite capable of handling the jobs before them. Though we have many internal disagreements on Mathsoc, Mathsoc people try to work together in the Federation and hope to best represent your interests by doing so.

—J.J.Long

It is Sunday, January 17, 1946 somewhere near Toledo, Ohio. The sky is threatening; young Jody Calhoun, schoolboy and novice farmer, stands aiming the slingshot that, unknown to his father, James T. Calhoun, local farmer, resident, and soda creme manufacturer, he has constructed of cherry−wood and mail−order elastic the night before. He waits for groundhogs, whose tunnelings cause stumble−holes for the farm−animals, breaking the legs of cows, horses, and Model T Fords.

The crumbling red schoolhouse, the attendance to which lays feeble truth to Jody's claim to education, stands morosely to the west, by the setting sun, sombre in its deep contemplation of territorial statutes and Greek omicrons. It has not been painted in seventeen years. It was constructed of oak and cherry and wooden nails in 1823. Only once has it burned to the ground; it had been a cold February and the schoolkeeper had been cold and sloppy with the kindling and it was rebuilt the next spring.

There is also a rusted iron nail in the anteroom of the schoolhouse. On it, stiff and disintegrating over the years, is a shread of rust−stained fabric which caught there some years ago when Jody Calhoun's father, James T. Calhoun, in his youthful exhuberance attempted to convince his classmate Mary−Ellen Thornbee Finch that virtue was not its own reward. Today Mary−Ellen Thornbee Kyle nee Finch works in a fish plant in Maine, and James T. Calhoun is unaware that his son has constructed a somewhat brutal but effective pulverizer of groundog skullcaps.

Jody misses again. He resolves to practise more again tomorrow. He will not.

He turns for a moment towards the low, red flame to the west, shrouded in red cloud and red sky and red. He smells the corn−field, the chimney−smoke from the von Hasselbach house up the road (over the hill to his left). The crickets bleat in inane consistancy, he hears them and the hawks and the field−mice below him in the roadside field.

He does not hear the blow that pulverizes his skull−cap.

APLcorps

As most of you know, **mathNEWS** is printed by a mysterious machine called the *photon*, but before it was not possible to handle *APL* in the same way, so we had to use a 2741 to print the *APL* and cut and paste the article together. Now the photon has been set up to handle these characters and now we put escapes in our articles. Last issue was printed in this way and so there is a slight difference in symbols. As far as I know, some/all of this work was due to the writer of *APLsauce*, (who, hopefully, will return next term to use them himself).

There are two correct entries for CONTEST #2, from M.Hollosi (whose name is spelled correctly this week) and C.B.Ostrum. Tossing a coin (or some other random method), we obtain a winner: C.B.Ostrum.

The function *DIFF* is shown here for origin 1, (origin 0 is easier):

$$\nabla Z \leftarrow DIFF\ P\ /B$$
[1] $\quad Z \leftarrow (\overline{\ }1*B\circ.+B) \times \Phi[1]\Phi[2]B\circ.!B\overline{\ }1+\iota\rho,P)+.\times P$
$$\nabla$$

For CONTEST #3, it should be noted that I had intended both arguments to be two—dimensional arrays, however anyone energetic enough is welcome to generalize this.

CONTEST #4: Because I have very few contest ideas left, we are again having an easy one — so please send in ideas! Write a function *EXTRACT* which takes a two—dimensional matrix *M* as right argument, and a 2xN matrix *L* as left argument, giving a vector *V* as a result, where *V*[i] is $M[L[1,i];L[2;i]]$. As usual, recursion and looping are excluded.

An example:
```
      M←4 4ρι16
      L←2 4ρ1 2 3 3 1 3 2 1
      L EXTRACT M
1 7 10 9
```

Entries due by November 13.
```
)OFF
```
p.s. is one error in the gridword worse than two?? see for yourself in the last issue!

REFERENDUM

The voting on the refundable fed fee showed some interesting voting patterns. The only reason we now will have refundable fees is because of the summer vote. The vote this term was 53% in favour of retaining non—refundable fees.

WHO	FOR	Against	Spoiled	TOTAL	%FOR
Summer	731	144	14	889	82.2%
Engineers	514	150	4	668	76.9%
Grads	29	20	0	49	59.2%
Mathies	234	514	1	749	31.2%
Rest	425	661	7	1093	38.9%
TOTAL	1933	1489	26	3448	56.1%

Kid Paranoid

Since anyone who is anyone on **mathNEWS** has a column where they say pertinent (?) things; I figured I might as well join the crowd.

I thought that this first column would occur on a happy occasion; but alas, I was mistaken. One of my friends from high school has betrayed the principles I hold dear. He has sold out to the Commies; he has joined the chevron (gasp!). For shame jwbast I may lose influence at **mathNEWS** because of your foolish act.

Editor's Comment: What influence???

Anyone for a poem?

Reflections on Icebreaking by Ogden Nash

Candy is dandy, but liquor is quicker.

And then there's:

Candy is dandy, but sex won't rot your teeth.

Conspiracy of the Week———the CS 180 midterm.

How do we really know there's really any gold left in Fort Knox? Big Brother is watching you. Hire a Throg, he'll be a bad worker but at least you prevent him from roaming the streets in search of prey. How do we really know that Jack the Ripper is dead?

Why are yuz all against me? help!!!!!!!!!

mathSoc ~~acclamations~~ elections

Elections will be held on Thursday, November 3rd to fill the mathSoc Council seat for FIRST year REGULAR. There are 2 candidates running for office. They are James Bakker and J.P.Sirett.

The polling booth will be located outside of MC2065 & MC2066. People are needed to man the polling booth.

1111

BACKFEED:

Dear **mathNEWS**:

In the last **mathNEWS**, there was an article asking if anyone knew why things at the university were wrong. It postulated that it was the KNIRPS. Did you know that KNIRPS have infiltrated every corner of civilization as we know it today? I have had experience with these fiends before. They infiltrate a society and become ranking members in it's government, then assign the whole planet over to the KNIRPian empire. They use many names: Widjet, Engisoc, and Artsies, to fool every sensible human into thinking that they might have some use. You may ask, "What does a KNIRP look like?" Go ahead and ask!!!!

An example of the KNIRPS treacherous ways, was at my home planet of GREAME. Like EARTH, we were a technologically developing world. Then came the KNIRPS! They eroded our society quite similar to the way they are eroding EARTH. But we GREAMES realized what was happening and fought the KNIRPian influences until it was KNIRPly impossible for them to possess GREAME as a KNIRP colony. So, KNIRPian hordes descended upon the planet and destroyed it's civilization. What few GREAMES that did escape went on odesseys to other planets within the KNIRP'S potential sphere of influence. No one listened until it was too late. So, I beg of you EARTHS, resist the KNIRPS, boycott Widjet, kill an (n−1)junear, confuse an artsie!!! Any enquiries can be sent to mathSNOOZ c/o **mathNEWS**.

GREAMEsoc

Federation Elections

In a heavy voter turnout last Tuesday, Rick Smit was elected Federation President. The overall vote was:

WHO	VOTE	Percent
Smylie	431	15.5%
Smit	1438	51.8%
Todd	750	27.0%
Spoiled	157	5.7%
TOTAL	1776	

Mathies were very close to the campus average in their voting patterns. Math vote was:

WHO	Vote	Percent
Smylie	76	11.9%
Smit	361	56.5%
Todd	164	25.7%
Spoiled	38	5.9%
TOTAL	639	

The Calculus Kid

in the Battle for the Great Margin

General Determinant stared across the table at his second—in—command, General Knowledge. Outside their tent, cylindrical shells were falling like rain. Every twenty minutes, or so, the Polar Coordinates ceased their bombardment because their tacticians worked on the principle of the Law of Conservation of Charge.

"Look here, Knowll., we're loosing this battle. I'm afraid that we will have to retreat and let them have the Margin. We can re—group elsewhere—maybe even try a different binary operation."
Knowledge looked at him defiantly. "No way. We're going to hold the Margin, or triple—integrate in the attempt. I have a plan."

"Oh?" said Determinant, without much hope. He hadn't had a bit to eat for days and was suffering under an attack of adiabatic compression.

"Tell me, General, have you ever heard of the Calculus Kid?" The general nodded. "Well, I sent for him 3.1415926 days ago. He should arrive here soon — he's coming by a logarithmic equation of the nth degree. If anyone can stop those awful Irrationals, he can."

Just as he finished speaking a bright light appreared in the tent. Then, as natural as a logarithm, out popped the Calculus Kid. He seemed to be hyperventilated.

"Greetings, I'm the Calculus Kid. I came as fast as I could — by $y=e^n$. It was awful, the air—conditioning was bust." He sat down and gazed at their map, which looked something like this:

"Map of the Great Margin"
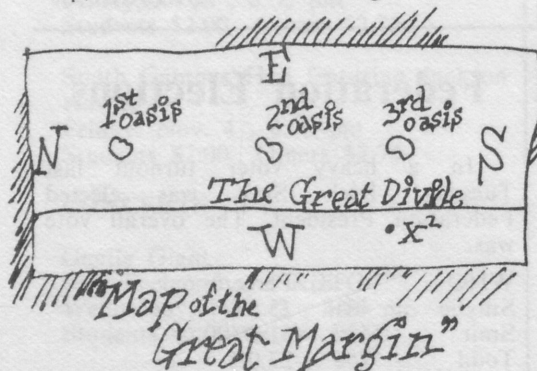
"Let me see," said the Kid, pointing at the spot marked x^2. "We're right next to the western limits of the great Divide. Hm...what are these lines here, in blue, the Not—so—great—Divide. Ha...ha..." The two generals gazed at one another and grimaced.

"Where do you think we should attack?" asked Determinant.

"Well... logic would seem to indicate that we attack here, along these nodal lines, at the points of least interference. But surely that's what the Irrationals think we'll do. Therefore I propose we attack the three cases simultaneously, with nuclear paradoxes.

Determinant didn't think much of the plan, but eventually the Kid managed to convince him that it was the best chance they had. The General turned to his second—in—command: "Knowll., sound the attack!"
**** (2 days later) ****

General Determinant stopped running, for a moment, to express his opinions on the Kid's unfortunate plan. "You $\iiint x dz dy dx$! That play of yours was the $\sum_{r=0}^{n} \frac{\partial x}{\partial y} = \frac{\partial z}{\partial y}$!iest thing I've ever heard. You know what? You're a $\iiiint e^{\pi x} \cdot \frac{\partial y}{\partial x} \cdot \pi^{ex}$!!!!"

"General, please, don't think of this as a retreat. Think of it as ...say... a random walk. As my uncle, Binomial Theorem used to say..." The Kid paused to duck the vector the General had just thrown at him.

"Wait a minute, General. The Poles haven't beaten us yet. I think we still have some dipole potential."

Just as he said this, a band of Irrationals, the front guard of the advancing army, ran into them. The Kid put up a bold resistance, but they soon captured his derivative. Even the General aimed an impartial fraction at the asymptote of the closest Irrational — but to no avail. They were soon overpowered and led off to the headquarters of the Polar Co—ordinates.
***** *****

As they entered the Command Tent the Kid recognized the enemy leader. "Quadrupolean, you traitor. I see they've made a matrix of you — of what rank may I ask. I suppose you're even augmented, you Hamiltonian Sigma notation!!"

The evil Quadrupolean, brilliant yet insane, smiled grimly. "Ah, the Calculus Kid. We could use a mind like yours, Kid. Why don't you defect."

"Never! Never! You and you're whole army of Irrationals can go to $\iiint \cos_\theta \theta dn^3$!!!!"

"Don't be so emotional, my friend."

"I am not you're friend, Quadrupolean, and never will be as long as you continue to invade country after country."

"But I won't" said Quadrupolean with an evil glint in his eye." "After Cartesian is conquered, I will have made my last territorial claim in this quadrant."

"If you invade Cartesian, even, I will oppose you. I shall fight on the beaches; I shall fight in the fields(Gaussian); I shall never surrender!"

"Throw them in the brig!" thundered Quadrupolean. They were led out and taken to a small room with only one parameter for heat. The General seemed defeated, but the Calculus Kid smiled knowingly, as he made his plans for their escape.
***** *****

"I just figured out why my attack play didn't work — because we were fighting Irrationals, therefore they did not fight logically. I should have thought of that before," said the Kid.

The General was in no mood to discuss the Kid's shortcomings. "Well, how about thinking of a way to escape, instead of dwelling on past errors?"

"Oh, I already know how to escape. It's quite simple really. You see Willock has already written about my triple—integrations in Rhombus, years after this war is over; therefore, it stands to reason that we'll have to escape; so I suggest we just stand here and wait for something to happen[*]." The Kid stood up and folded his arms, but the General merely sighed.

(half and hour later) "So much for that idea, Kid."

"Never mind. While I've been standing here, a brilliant plan came into my head, just like that," he said, snapping his scalars. "All I have to do is set up a function that is undefined at a certain point, and calibrate it such that its undefined portion correlates to the thickness of the wall. All we do is enter the function below the undefined bit, and exit above — on the other side of the wall."

"That's amazing, Kid. What function do we use — tan x?"

"No, its undefined portion is merely a point of no dimension — we wouldn't get through the wall. I think we'll have to use a special recursive—type function with my own brand of linear operator. What's the thickness of the wall, I wonder?" he estimated. "...Hm..about a foot, I'd say. Therefore, let's use $\frac{1}{\nabla x}$, with ∇x equal to $x-x$ from $x=-.5$ to $+.5$ and equal to $x+x$ outside those limits. Actually, this operator is quite algorithmic in form, but, beggars can't be choosers; it should do the trick."

The Kid drew up the function, then he and the General stepped into it at about $x=-2$ and, lo and behold, reappeared, outside the wall, at about $x=5$. The General congratulated the Kid.

"Kid, I'll recommend an Honourary Generalship for this. You must be a genius!"

The Kid smiled modestly, "Yes, I know, but the solution was quite simple really, general; though of course a dummy like you couldn't of thought of it. But, we haven't won the war yet. We still have to get rid of Quadrupolean and his evil horde."

They crept around among the tents of the Polar encampment until they found the tent of Quadrupolean. The Kid used X—ray diffraction to see inside the tent.

"It's Quadrupolean — and he's alone. Let's get him." The Kid rushed in and seized the commander's derivative before you could say $\iiiiiiii \sum_{r=0}^{n} e^{\pi x i} \cosh^{-1}\theta dz...dx$.

"You!" said Quadrupolean, "how did you escape?"

"Never mind that, you inverse hyperbolic function. Where is your munitions dump located?"

"I won't..." the Kid raised his derivative "...over there!" said Quadrupolean.

"Now, where's your radio—wave Gudermannian communicator?"

"Here," said Quadrupolean, staring at the Kid's derivative.

The Calculus Kid turned the Gudermannian on and said: "Hello $y=x^2$, this is $\sum_{n=0}^{m} e^n$ calling. The cartesian co—ordinates of the Polar munitions dump are (24.6, 258.9). Suggest you use nuclear paradox bombardment in twenty minutes. Out."

"Sorry, Quadrupolean, but in twenty minutes this encampment will be nothing but a heap of permeable nuclear g—factors. I suggest we leave by the fastest equation possible $y=\infty!x^\infty$ before we turn into statistical fluctuations ourselves, General, keep this derivative pointed at Quadrupolean — one false move and you can give his brain a 90° phase shift."

The Kid wrote the equation and they stepped into it. In a moment they were standing in the center of Cartesian City. They deposited Quadrupolean in a polarized energy field that turned its prisoner into entropy dust if he tried to escape; then turned to the East. They saw a brilliant flash, of wavelength 7000 A° and about twenty seconds later heard the distinctive muffled roar of a nuclear paradox going off.

"Well," said Determinant, "that's the end of the Battle for the Great Margin. It might even be the saddle—point of the war. Tell me, have you ever considered joining the army?"

"No...I can make more money as a crime fighter," replied the Kid sincerely. "But I'll accept the Honourary Generalship, if you don't mind?"

"You deserved it Kid. But tell me, what's your real name? It can't be the Calculus Kid?"

"Well, don't tell anyone but it's Cyril Solidstate."

"...Hm...I know why you use the other name now. Well, good—bye and good luck...and forget that I called you a $\int\int\int\int\int e^{\pi x}\cdot\frac{\partial y}{\partial x}\cdot\pi^{ex}$."

"Of course," said the Kid, "good—bye."

And so the Battle of the Great Margin was won by Cartesian, and it proved to have such a great effect on the moral of the Poles that, today, it is generally known as the saddle—point of the war. After Cartesian occupied Polar Co—ordinate, they metrified it by replacing the old maps with new, 400° ones; and so they were benevolent victors. As for Quadrupolean, he was sentenced to be triple—integrated, but was released on parole after two

Selections from Things which are Not All Important

Whoopie was pushed off the bus which could carry all the integral factors of 60 on the outside and nine oranges, four lemons & seven plums on the inside. Whoopie was so upset that he turned and shouted all four—letter words which could be formed from the word MISSISSIPPI (with no restrictions, even!) at the bus driver, who was at that time wearing his six pairs of shoes, eight dresses, and twenty—four hats. Whoopie, however, quickly got over this upset and responded to the porter's hint for a tip. He checked in his pocket and found eight boys and six girls involved in a tennis tournament. The tennis competitors were peeved with Whoopie and threw every different possible combination of weights from four identical Spanish and five identical French books at him, which broke up into exactly two teachers to be put on a committee of a nickel, a dime, a quarter and a half dollar. For each of the two teachers, there was a corresponding double ring of red and white girls can—canning their way to Nirvana.

—C&0 Blues

months in prison. Eventually he was elected mayor of Mathtown, which was recently destroyed in a fire.

† In the second adventures of the Calculus Kid, it mentions that Cartesian was overrun by the Poles. Historians today, however, generally believe that the invasion was halted some $\sum_{r=0}^{n} e^{-n}$ scalars from Cartesian City itself.[*] With aid from Hogand, the war was pushed back to the borders of Polar—co—ordinates. The Poles attacked Argand and captured Euclid's bridge but, as related in the narrative, were repulsed at the Great Margin. Cartesian occupied Polar—Co—ordinate for only six months and in some history books this period is ignored.
* In some histories, in fact, Cartesian City is captured and later liberated by rebels and Argandians.

* This is but one of the instances where the semi—divine nature of the Kid shows through. The phrase should be translated "...destined to be triple—integrated in Rhombus..." but John thought he'd add a little time paradox. The one—way nature of time makes the reasoning faulty.

Sir R. Reports

Us Against the Engi-nerds

Well gang, I am overwhelmed. You actually support the same position on non—refundable fees as I do. I'm surprised because until a couple of days before the referendum, before I saw the results of the **mathNEWS** survey (which quite acurately showed that math would vote 2—1 for non—refundable fees), I really thought that I was in the minority. (only when I found out that we actually had a chance did I really get enthused enough to really start encouraging mathies to get out and vote, before that I thought we would be creamed). I guess everybody was too timid to voice their real opinions.

But then mathies went and voted by over 2—1 for non—refundable fees. Over 500 of us voiced our views in this way. Yet we still lost on the campus wide issue. So what went wrong?

Well let's look at the results. They are very easy to analyse, any nerd could do it (if the goofs who analyse our national elections had a chance at this one, they would have a field day). Just about every faculty on campus with the exception of engineering voted for non—refundable fees. It was us against them. Yet the Math vote alone almost cancelled out the engineering vote (although they beat us overall, 514 of us voted for compulsory fees while 514 engi—nerds voted for refundable fees). This is actually pretty good as they vote like machines according to what engsoc says, while we have our own minds. Overall those persons now on campus actually voted for non—refundable fees.

So again, what happened? Well it was the vote that was held in the summer for those students on the opposite term that killed us. Overall they voted in favour of refundable fees. But why you ask? Well basically the engineers voted in the summer as they did now. The difference was that in the summer all of the other societies were unorganized. Little was done to educate the voters. Thus besides engineering the result was rather hazy (even Math voted barely in favour of refundable fees). Another major, and obvious problem is that the summer vote was taken just two weeks after the chevron was reinstated (No wonder everyone was upset, even I was). Thus refundable fees went over big in the summer, and with this added to the almost split vote of this term (everybody against the engineers), refundable fees won.

So again, what happened? Why did the dumb engineers vote that way? The problem seems to be one of communication. I've said it before and

I'll say it again, in the past couple of years the upper echelons of the enginerd society have taken basically no interest in the Federation of Students. The federation councillors from engineering (who were acclaimed), aren't even in communication with engsoc (unlike Math where our reps are all from Mathsoc). The engsoc executive never attend Federation meetings, they don't know what the feds are doing, or even how the Federation works. Also the engineers don't have a means to communicate news to members except for enginews, which doesn't cover news, and while it may be entertaining, it certainly doesn't keep them informed. The engineers, who profess to be angry at the federation for reinstating the chevron don't even know that their reps voted for reinstatement, and that it wouldn't have gone through had they voted against (even the engsoc president didn't know this, he thought that at least two of his reps had voted against the reinstatement). Thus basically they are out of touch. In some ways this is also the federation's fault, but when we go through six presidents a year it is no wonder that we have problems.

So where do we go from here? Well your guess is as good as mine. I certainly see trouble brewing on the horizon. I also see that within six months the chevron will have a separate refundable fee. This is the very least that will happen to the chevron. But this is not our main problem. The main problem is how we are to deal with the engineers. The perfect solution would be to get the leaders of engsoc involved in the Federation. This is a two sided street, we must both do our bit. If they do become involved we can only both benefit from each other's resources. Since they voted overwhelmingly in favour of Rick Smit for president, there is certainly hope, and also a starting point. Certainly the results of this referendum would have been far different had the leaders of the engineers been participating in the last few years.

Well really I don't know. Personally I really believed that refundable fees would go through by landslide proportions. The actual results really tend to encourage me to keep up the fight. Which, in a way, is actually kind of bad. For had the unbelievable happened, and Smylie had been elected president (the fact that he did do so poorly, actually re—affirms my faith in students), and had refundable fees gone over big, I probably would have resigned the next day as I wouldn't be able to work with Smylie. I just cherish the thought of what it would be like to be a normal student, who didn't have to worry about all this political garbage, and who could concentrate on school work. Instead here I am, a student who has to worry about honours computer science, stats, and business, and who must at the same time endure this nonsense, to be able to carry on the fight. Ah, it's a crazy life!

Now getting onto my favorite subject, I see from the chevron feedback column, that the staff of the "Big Red Machine", invites "any serious criticism from students, staff, and faculty; and is willing to have discussion with any serious person about any aspect of the paper. Thus I think I'll give it a try although I'm rather apprehensive about the sincerity of that statement. For the chevron had been receiving criticism of it's format, content, and orientation for almost a year (actually, for years), when I asked Neil Docherty at the June 26 federation meeting, (R—day, Reinstatement day), whether he or the staff could see any serious changes being needed in the chevron. He replied that the staff had never discussed this. Thus it seems that they ignored all of the criticism of the last year, and I doubt that things have changed since. However I'm willing to give it a try with this open letter:

Dear Neil, Salah, Jules, Jonathan, Larry, Peter, Nick, Val, Heather, David, Oscar, Randy, John, Doug, Jayne, Sylvia, Gerard, Mike, Doug, Dennis and all others:

How have you been? I hope that you have been getting along okay. I'm writing a few comments on your newspaper. I must say that contrary to what I hear many people saying, I find that the chevron is showing improvement this term. It seems a bit more objective and also there is some humour in it. (Last issue not only contained Doonesbury but also had a cartoon on the front page.) However, I feel there are still many problems with the paper. A few of these (in no particular order) are:

1. I don't think that those articles on the trial of those members of the Communist Party of Canada (Marxist—Leninist) are really of the upmost interest to students. Perhaps one wrap—up article once the situation is over would be better. It seems to me that only people in the AIA would be interested, and since they are probably in touch with what is happening anyway they don't need the articles. In any case, the chevron is not supposed to be a medium of communication for AIA members.

2. It seems that you allow the opinions of your writers to get into their hard—news articles. When this happens it is difficult to be objective. I suggest that all opinions be kept on the editorial page, where they belong, and not scattered throughout the paper. I've written about this problem before (would you believe two summers ago).

3. I really don't know about Salah Bachir's weekly articles on foreign investment in Canada, and the terrible profits of corporations. I realize that Salah wants to make the rich pay, and I'm aware that there are some interesting and important points in these topics, but I'm not sure about the validity of Salah's presentation. This is a topic that should be written on, but every week???? Also it's obvious that Salah's AIA propaganda keeps on creeping into the articles (in other words it is impossible to suppress his bias, and objectivity looses.)

4. Your feedback titles have caused controversy in the past, as often they are misleading or slams against the author of the letter. I suggest you either drop entirely putting headlines on letters, or change your policy on the style which they take.

5. Continuing with feedback, this lettitor business has got to change. It presently comes across with a feeling of paranoia, as the responses are sometimes attacks at the letter writers and often miss the point of the letter. Also you should make it clear that no "lettitor" actually exists, but that the replies are written by various persons.

6. Your weekly articles on the chevron investigation commission meetings are a little out of line. I won't even bother to comment on their content. However, I will say that having the persons who present the chevron case to the commission writing the reports covering the case is ridiculous (Thats like the lawyer at a trial writing the newspaper article on the trial——his view is bound to be biased since he can't possibly take the view of a third party observer). This is especially true when an AIA member is reporting on charges that the AIA controls the chevron.

7. I think that Nick Redding should re—examine his reports on federation council meetings. I don't argue with his facts, only the form which his coverage takes. For instance, often his coverage of a debate will contain in great detail the preachings of Dave Carter and Gerard Kimmons, both chevron staffers, (often it's Carter said this..., Kimmons said that..., Carter said this...). Granted they say a lot, and usually they represent the opposition, but this happens even on topics to which they contribute very little. Often what most other councillors say is ignored. Then of course Nick gives a substantial amount of coverage to Larry Smylie. Now I accept the fact that Smylie talks a lot, but not to the extent of his coverage. I say, be fair, give Smylie the coverage he deserves.

8. Val Moghadam's articles present another problem. It seems that she dwells on the same types of subjects. As with others her political bias shows. She should make an effort to "report" on the subjects, instead of preaching on them. (as an example I remember that piece that she wrote on the immigration policy when James Cross was here. Now, I don't quite remember how it went as I don't have it in front of me now. But I recall she opened up with something to the effect that he was totally unable to defend it and actually his arguements helped the opposition. Now I don't deny that this view is correct, as a matter of fact I may even agree with it. The point is that she made a judgement when she should have just presented the facts. The facts will speak for themselves, and if her view is correct, will bear it out.)

9. In the past the chevron has given considerable coverage to a certain organization, the AIA. I would suggest that it give space to other clubs and organizations on campus, such as the science fiction club (WATSFIC), the computer science club, and many others which I don't even know about (I don't know about them because I never read about them in the "student" newspaper, perhaps you might feature a different club each week). This would be serving the students in a way that a student newspaper should serve them, by telling them what services are available so that they can become involved.

10. And how about some coverage of what the societies are doing? I remember last winter (at the height of the chevron crisis), we at Mathsoc used to have chevron reporters attending each of our meetings (their reports, which I presume were mainly to tell the students what terrible things Mathsoc was doing about the chevron, did not exactly reflect reality in my opinion). Yet now, chevron reporters at Mathsoc meetings are an extinct species. The societies offer a wide variety of services and events, let's hear more about them.

11. Sports coverage seems to have improved this year as it appears that Doug Goodfellow is doing a good job. I hope that it gets more coverage than in previous years as this is one area which interests a wide variety of students. Sports stories should add some spice to the report of a game instead of just giving a dry summary. We should see how this area makes out come basketball season. Sometimes it seems that the chevron gives almost as much coverage to a AIA meeting that 20 people attend as to a basketball game which attracts 3000 persons.

12. Humour. Let's get some humour into the paper. Don't take yourselves so seriously. Those cartoons by McGuire are rather good, although quite often I don't like the point of the jokes. Also get Doonesbury in regularly.

13. I also worry about what's happening to good staff members such as Randy Barkman and Dennis Rekuta. It seems that they are contributing less to the newspaper these days, (Randy has stepped down as production manager, and I believe that Dennis has gotten out of the paper), due to reasons that I can only guess at. Although I have personally vigorously disagreed with them both in the past (sometimes I thought they were complete nerds), I have come to realize that they have done a good job. I feel that their articles will be missed, (I know that Dennis's reports on whats in the works on the upper floors of the Math faculty have been very useful). Whatever your political beliefs, please try to work together down there (although I wouldn't terribly mind if the AIA members would get out).

14. Due to political beliefs, I don't believe that it is possible for Neil Docherty the editor to organize the publication of a student newspaper in the style that students desire. I wish that you would do something about this although I somehow don't believe that you will.

That's it, a few points I have thought of. I only ask that you read them and objectively evaluate them. Incidently, if you think that I've been trying to restrain myself, and to moderate my views, then you're right.

Steve L. Risto

NOTEPAD

*Boy, talk about screw-ups! When I first started writing for **mathNEWS** I thought PHOTON was a pain in the ass, but last week the damn thing wasn't working and that was even worse!!

Oh, excuse my language but I do tend to get riled on occasion, besides which our editor (djmullin) will probably edit it all out and once again us innocent frosh will be protected from the seamy side of life (ie. me) by the powers above us. (and I don't mean Bruce Springsteen)

In fact, last week Kid Paranoid and I rounded up a rather randy collection of quotes from our staff which our editor rather permanently edited out of existence.

And it wasn't really all that bad. I mean not really....well maybe a few of them but....okay, so a lot of them were bad but what ever happened to freedom of speech?

*This of course brings me to my PARABLE OF THE WEEK. (Where else but **mathNEWS** do you get so many "Something Of The Week"s which you never see again after the first week?).

This week's parable is:Freedom of speech only occurs in a country destined to collapse; Restriction of speech only occurs in a country which is stagnating and therefore destined to collapse; It then follows that collapse is a natural and invigorating process which actually succeeds in raising that society to even greater heights!

For example, look at the lost world of Atlantis. There was a country with freedom of speech, and after its collapse it rose to even...uhh...no it really rather sank didn't it? Well that just shows that we shouldn't search

myth for answers to real-life problems. Let us take instead the mighty Athenian empire which....wassat? Where are the Athenians now you ask? Why they're just...that is...hmmm, point well taken. Well folks it looks like you'll just have to wait another week while I think this one over. I'm sure that I'm right of course, it..uh..might just take a little reworking that's all.

*RE: The Most /Apathetic Student On Campus Contest.

The response for this contest was underwhelming. So far the huge lack of entrants has left us with a large majority of the campus still in the running although there were two disqualifications: acpatel tried to collect his prize this week but his show of interest in the prize disqualified him on the grounds of lacking in apathy and our own dwgillett (alias "how to gross a waitress out" TROB) was disqualified when he took the time to tell me how apathetic he is about apathy.

*ARE you having troubles with overflow on your TSS mailbox? Do you find that the inordinate amount of time spent reading and deleting your mailbox is detracting from the fun-filled hours which could be spent enjoying WIGGET? Well if that's the case I have a solution for you. Merely become a **mathNEWS** writer and start requesting some reader feedback, soon those nasty letters will stop coming and no-one will admit they know you. Once you've reached that phase...well, you might as well spend all of your time on WIDGET. Try programming an APL compiler in COBOL just for fun.

*WIDGET WORKSHOP: No, this is not compulsory, although you may find it quite helpful. (If you think I'm talking about a real workshop then you don't know me very well yet!). When you are stuck in queue position 32 and see a friend entering the 33'rd run request (which is likely to crash the system) here is what you can do to pass the time: dearchive all of your files at once and submit simultaneous requests to archive them, then sit back and watch the race between queue positions. As an added excitement you and your friends (assuming you have any) might lay bets on which archive will win.(higher odds would naturally go to "run" commands). To work out the proper odds you might stroll up to the third floor, grab a donut, then sit down at TSS and figure them out there. Then , when you're finished stroll back down to the terminal room just in time to see the race finish up. Of course your listing file will contain garbage and you'll have to get back in queue again, but then that's normal for WIDGET.

*Just to assure you kiddies that this isn't a completely WIDGET oriented article, I have a message for trob. I KNOW THE CONNECTION BETWEEN FIBONACCI AND TROB. UNLESS YOU OBEY MY WISHES, I'LL SPILL EVERYTHING TO THE PUBLIC!!

Sorry about the interruption, and now back to the biggest sucking system on campus....

*Everyone else seems to have their own version of what WIDGET stands for, so I'll just add mine to the heap:
  Worst
  Interactive
  Data
  Gadget
  Ever
  Tried

*Did you know that a couple of beers a day can be good for you by helping to dissolve cholesterol in your bloodstream, and that too many eggs can be bad for you by giving you too much cholesterol?

Unfortunately if you try boozing up all the time and not eating any eggs, your hair will fall out from lack of protein and you'll probably die from cirhossis of the liver. Seems you just can't win any more these days.

*And so I wrap up another intelligent, literate, and informative NOTEPAD. See you next week. (Bruce Springsteen willing)
　　　　　　　　　　　—dthedmonds

Stuffed Rabbit

BURP!
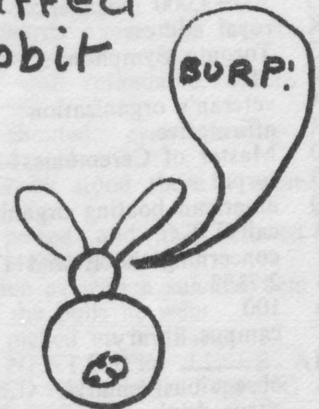
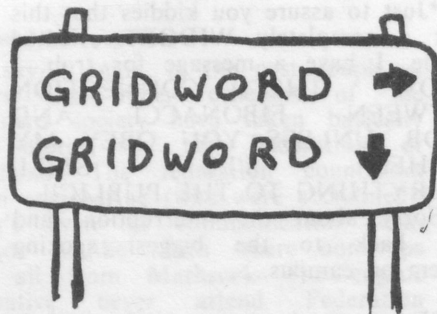So anyway, North said,"Let's all go to a movie."

South thought that was a great idea.

The quarterback asked what was playing.

The shortstop said, "We have a choice: 'Deep Throat' or the Fed movie."

"Let's go see the Fed movie—I've seen 'Deep Throat'", said the goalie.

About now the referee called half-time and everybody went to the pub.

ACROSS

A1	admired and emulated by 7A
A13	prefix for —clast and —statis
B5	of pleasure
B15	_____ and tittle
C3	is, ea, _____
C6	roof apex ornament
C13	that is (L)
C18	Balance Sheet
D3	_____ ... pas (Fr.)
D12	silent theatre
D17	eh?
E5	2.54 centimetres
E10	blood—sucking mites
E18	_____ what!
F3	papal emissary
F15	he painted (L. abbrev.)
G3	separate existence
H1	it interrupts lecture
H14	metrical foot of short, long, ...
I1	Carter girl
I12	14G for _____
I17	Average Jock per House
J1	not from
J12	60 minutes
J18	C13
K1	annoy
K6	bearfoot
K12	Always Tiptoe past Yeti
K17	Buffalo QB
L1	Basketball originator
L12	What we'll hear a lot of in upcoming Stud. Fed. elections
M1	Greater Lilliputian Railway
M5	gullet
M16	sun god
N3	Ku Klux Klan
N12	International Remestrand Manufacturers
N18	King Goerge (L)
O1	from (L)
O6	not divided
O12	american spy organization
O17	_____ West, actress

DOWN

1A	common Gallivan phrase
2H	unrightious
2O	horses's mouthpiece
3C	senselessness
3K	_____ Douglas, actor
3R	doctor's assistant
4C	of (fr.)
4F	a (Fr.)
4N	Jungle Book serpent
4Q	fish eggs
5A	originally said "19A"
5E	Igerne Never Dug Nastertiums
5L	Mother Of a Knight
5R	where the Bluejays aren't
6A	il s'est figure
6H	pumpkin _____
6O	Underdog Exercised Heartily
7A	our benevolent despot
7E	some of the n—jineers
7J	congratulates after a great play
8A	907.18474 kilograms
8E	lift
8K	_____, what, when, where, why,
8O	a discoverer of radium
9A	Lacustrine Nautical Instrument
9O	you (Sp.)
10A	an Englishman Is Anglais Apres The
10G	300—3,000 megahertz
10K	royal addtess
10O	Toronto Symphony
10R	51
11A	veteran's organization
11P	affirmative
12D	Master of Ceremonies
12G	torpid
12Q	american boating organization
13A	call T.T.C.
13I	concerning the Round Table
13S	2.7183
14A	100
14C	campus library
14G	_____ for I12
14K	obsequious remark
15A	citrus drink
15F	Burmese coin
16A	French name
16E	out of
16L	Eagleson client
16Q	Greek letter
17A	Old Testament
17F	brass wind instrument
17K	of the mouth
17O	milligram
17R	for example (L)
18C	transit vehicle
18H	city at 4.55°S ,29.39°E
18N	accounting axiom
19A	"Goal!"

Joke of the Week

Did you hear about the constipated people in the Bible?

Well, Cain wasn't Abel. Moses took two tablets when he went up on the mountain. Solomon was on the throne for forty years. Noah went for forty days and forty nights and all he passed was water.

— dwthorpe
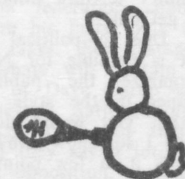
GRIDCOMMENT

This is your second chance at this gridword. We have included all the clues this time (we hope).

P1	compete
P5	composer of 'Pelleas et Melisande'
P13	like
P17	H for example
Q1	and (Fr. or L.)
Q6	Rodger's former "teammate"
Q11	not uncle
R3	_____ Andrews, NHL statistician
R7	sky over Levesque
R16	pronoun
S1	Leaf comment on Pittsburg and speaker

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

A B C D E F G H I J K L M N I

GRIDWORD
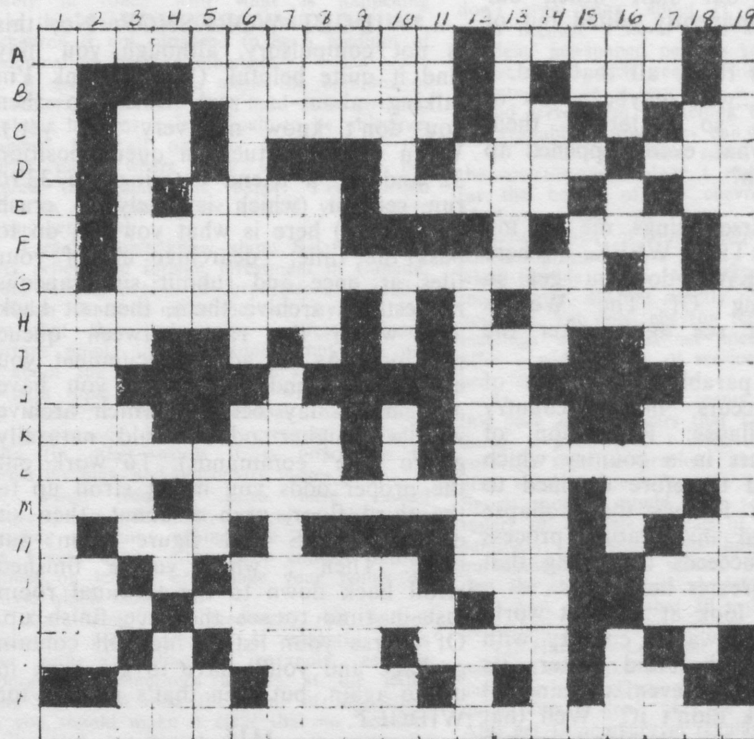
NAME ?

classified ADS

Would like to see unrusted Peugot 304 body, also curious about griffiths . call harris (576—4493)

Bulletin WLU recently announced that the warlike activities of the Imperialist Alliance have forced the purchase of ICBM's (Inter—Campus Ballistic Missile). More on this story as it develops.

NOTICE As reichsfuhrer of C.S. the growing emergency brought on by the growing hostility of WLU moderates has forced me to enact a policy of severe computer rationing. Starting Nov. 1 all students will present their C.S. ration cards at the entrance to all computing facilities. Anyone caught disobeying these edicts will be chained to a WIDJET terminal and dearchived on the spot.

dthedmonds reichsfuhrer C.S.
Imperialist Alliance

BYTE for sale 3 copies of the May 77 BYTE. This iss ue is rare. Due to a printers strike many Canadians never got this issue. If you want, or need, a copy, I have three copies for sale — for only $1.50 — no need to pay mfsargent's inflated price. Contact: Bill Eadie (bun id — beadie) 884—3585

Chomp For sale: 1 used Bill Eadie. Only $1.00 — no need to pay beadies inflated price. Contact: Mike Sargent (bun id — mfsargent) 884—6327

Tired of Living? Are you tired of living in that rathole of a place with the exorbitant rent? Want a decent change for the rest of the term? I'm short one flatmate for the rest of the term. Furnished 2 bedroom apt., 201 Erb St.W. (Erb & Westmount), under $100/month, utilities included, parking available, laundry in basement. NO smokers. If interested, phone Don at 886—2348.

Meeting:
Anti—Chrome—Bicycle—Alliance (A.C.B.A.) meet by the chrome bicycle rack outside M.C. 3038. Bring your paint cans, lads!

For Sale cheap, one frosh n—jineer, just like new. Does simple labour like paper weight, door stop, sponge (drools a lot). Only one owner. c/o mathNEWS

LOST - one pound marijuanna, in M.C. 3003. Reward offered. mail mathNEWS.

FOUND - 1/2 ounce marijuanna, one very stoned custodian, in M.C. 3003. Owner please pick up at mathsoc.

FOR SALE : 1000 mm mirror Zenith lens. Reasonable price. Phone 884—7499 or contact djmullin on the bun.

News Flash

Burbank(UPI) Today MGM announced the signing of an all star cast for their new movie, designed to edge in on the Star Wars popularity. Luther Treblecock, MGM's executive vice—president, made the announcement during a specially scheduled news conference. Treblecock admitted that a direct copy of 20th Century Fox's production of Star Wars, or even a close copy, would be rejected by the public. In a moment of inspiration, said Treblecock, MGM realized that all the public wanted was action, corny love scenes, some science, and a lot of good clean fun.

The general plot is as follows. Clint Eastwood plays the title role in what has been described as a science fiction—western. Farrah Fawcet—Majors is to play Eastwood's wife in her first full length dramatic appearance. John Wayne plays the part of Eastwood's father. Stars including Wayne Newton, Sophia Loren and Jimmy Stewart will play supporting roles. In the story, Eastwood is Captain John Titan of the space ship *Proximus*. John Titan is a cattle rancher on board his ship, raising and selling cattle to settlers on distant worlds. Plans include showing Titan shovelling manure and being called to the bridge where he calculates and programmes the on—board computer for an N—dimensional jump. Much of the story revolves around showing that as science helps man, it will still leave him free to do as he pleases.

Exitement comes in the form of rustlers. Sir Lawrence Olivier plays the part of Dirk Blackhole, scourge of the spaces. Aided by his evil wife, played by Raquel Welch, Blackhole siezes cargos of cattle from honest sky—ranchers and sells them illegally. Blackhole *never* leaves a witness to his crimes.

In the closing scenes, we find Captain Titan fighting for his life against Blackhole. A searing fight ensues, with dramatic effects portraying intergalactic warfare. Finally Blackhole scores a direct hit and forces Captain Titan to shut down his reactors. Powerless, Titan is doomed, his shields are down and his lasers are dead. Blackhole knows he has won, so he takes a wide circle, preparing to blast the bridge of the *Proximus* off. As the cammera shoots down the lengths of BlacKhole's guns, John Titan is busy. Realizing that he has no weapons left, he improvises. The course that Blackhole will be flying will take him directly inline with the starboard cargo hatch. Titan realizes this fact and puts the nearest large object, the family's pet cow, Bessie, into the port. He raises the presure in the port to fifty atmospheres and opens the outer door. The force of the escaping air propels

Bessie's corpse forward at a fantastic speed. A perfect shot, for Dirk Blackhole's ship crosses the path, colliding with Bessie, and is immediately destroyed.

Of course, the title of the feature will be *Steer Wars*.

AN ELECTION FAIRY TALE

Twas the day of elections, and all over 'Loo
Not a creature was stirring, that includes Artsies too
The posters were hung by the polling booths with care
In hopes that voters, soon would be there
Rick Smit, Larry Smylie, and Jim Todd as well
Had just finished casting votes for themselves.
Then out in the stairway, there arose such a clatter
They sprang from their chairs to see what was the matter
Away toward the stairwell they flew like a flash
Till they smacked into each other with a thundering crash!
The fluorescents flashing, off the broken window
Gave a lustre of disaster to objects below
When what to their wondering eyes should appear
But the blundering form of a frosh n—juneer
With a drool and a gurgle so lively and quick
They knew in a flash; he must be half—wit!
More rapid than widget, their speeches they gave
As they prodded and pulled at the stumbling knave
"Vote Smylie","Vote Todd", and "Vote for Smit" too
Their words about Fed fees flowed thicker than glue
"Down with refundable, off to the polls"
They shouted, eyes glowing like burning red coals
And as he stood there a moment, appearing aloof
They pawed and they clawed at that poor stupid goof
And then as with a suicidal bent
Off to the polls he went
As he picked up his ballot....
THE NEXT FEW LINES ARE CENSORED AS ALL VOTING IS DONE IN SECRET
....and stuffed in the box.
And we heard him exclaim as he stumbled out of sight
I didn't come here to vote, I just wanted a light!

—dthedmonds (with apologies to Perry Como)

1117

MATHLETICS

Competitive Ball Hockey

Mathsoc faced the undefeated, division—leading Coco's Nuts Monday night and almost pulled an upset. The Nuts, a 3B Chem Eng entry, are accustomed to winning big (8—1 and 16—3 in their last two games) and were hoping to add an easy win over the mathies to their record. Excellent first half play surprised the engineers and after 20 minutes our guys were ahead 3—1 on goals by Henry Matyszczuk, Rob Cooke, and Greg Ross. But the game lasts 40 minutes and Coco's Nuts had a few extra players on the bench to provide extra changes that Mathsoc, with only 8 men, couldn't. The pressure applied from their fast style of play was too much and Mathsoc failed to follow the pace. The defensive lapses which resulted allowed the opportunites for the Nuts to score the only three goals of the last half, enough for a 4—3 victory.

The loss puts Math at a 1—2—1 record and places them fourth in their division. In order to get to the playoffs they **must** win at least one of their two remaining games. On Monday, October 31, 7:45pm at Seagram Gymnasium they play fifth place WEST E. A Mathsoc victory assures a playoff spot; a loss or a tie could mean a last place finish.

If you want to play (and are not currently on another league team) the time and place is given above and the captain is Rob Cooke (886—3225). There's still time to participate. If you just want to watch, there's always a need for timekeepers or scorekeepers.

In other sports it was 4—1 and 2—1 in broomball action and Math was trounced 0—25 in flag football.

FEED BACK

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.

In Praise of Hacks

'Tis not the merest little chance,
Nor typist's careless blunder,
Nor operator's dagger—glance
That tears machines asunder.

The noble Systems Hacks incur
The meelee and the mayhem.
Advice to System Manager;
Hire them, and pay them.

—aeforber

Given that:
1) If the chevron is slanted, then the AIA controls the chevron, if Hacks run **mathNEWS**.
2) We don't need the chevron, if a) the AIA controls the chevron, and b) Mathies are reactionaries.
3) If n—jinears get jobs, then a) Mathies are reactionaries and b) we need the chevron.

Is it valid to conclude that:
1) if the chevron is slanted, then n—jinears don't get jobs if hacks run **mathNEWS**?
2) n—jinears don't get jobs, if a) the AIA controls the chevron, and b) we need the chevron?
3) if hacks run **mathNEWS**, then a) the chevron isn't slanted, or the AIA doesn't control the chevron, if (b) n—jinears get jobs?
4) the chevron is unslanted, if a) hacks run **mathNEWS** and b) n—jinears get jobs?
5) if the AIA doesn't control the chevron then a) we don't need the chevron and b) n—jinears get jobs?
6) Mathies are reactionaries, if a) hacks run **mathNEWS** or b) we don't need the chevron?
7) if a) we need the chevron, and the chevron is slanted, then b) Mathies are not reactionaries, if hacks run **mathNEWS**?

—G. Mess

APB: There will be a math pub on Tuesday, November 1. There will be no cover charge, all types of music. And now for the masthead proper... it is now 1225 on a bright thursday afternoon... one crazy week is bad enough but two????!!! We started this issue last Tuesday (yawn) Food of the week consisted of subs (from the Village Grill) and coffee (equipment from C&D...thanks Kandry); the staff tried to convince the editor that tea & hot dogs was a better idea... Unmentioned staffers in the last masthead were: JOHN LEE, typist & occasionally SciSoc News editor; ANDY MUELLER, busy mathSoc social director; DEAN EDMONDS (forgetting him was wishful thinking)....
This week the Dragons & Dungeons in MC3011 lured away many staffers (so they ain't staffers this week)... J.J. LONG on the celebrating; the uncensored DEAN EDMONDS; the paranoic DAVE THORPE; a sporty doug McInroy; FRASER GUNNed down errors; ALEX "attacked" froshi WHITE; PHILIP just came in (1303hrs) to fill in the blank areas KELLY; RUTH typed up a storm HARRIS; MIKE SARGENT gave us a bum steer; DAVE GILLETT trobbled off to RadWAT at midnite and then came back with the Sixth Fleet to sink the editor; our shy froshi "I am not required to read mathNEWS, I'll just type" was back with allergy & other problems; JOHN hunter (but not always finding) ANDERSON; STEVE LOCKE supplied us with a file that uncovered another photon bug and wasted 3-4 hours of time; KNIRPsoc executive showed up again with their usual problems; STEVE wore permapress RISTOs; "I think I'll stay up all nite and go to work in the morning" KEITH DORKEN, its nice to have an operator around when the system yawns and the photon burbs and lastly DENNIS MULLIN (de editor)