DOUBLE BULL:

The latest MathSoc meeting was held on September 30th. Peter Lee reported on the Faculty Council meeting, where it was decided that they would oppose any further cutbacks on the serial (magazine) budget. It was felt that if necessary, the university would ask local businesses for assistance.

The AntiCal will be finished with the computer this weekend. Next Monday the stuff will be cut up and pasted down. Volunteers are welcome to assist. Peter Lee was of the opinion that "Antical is on the road to being much greater than ever."

Selma Sahin gave a report on the upcoming Math-Arts week. Some of the many attractions are a spelling bee, a bridge tournament, and a slide rule contest.

On November 1st, a semi-formal with "Chelsea Morning" will be held. Tickets will be $12 for ArtSoc and MathSoc members, with all other students being charged $15.

On the important matter of T-shirts, it was decided to use DOUBLE BULL brand rather than TIGER brand. DOUBLE BULL has faster delivery time and it is 60 cents cheaper for each shirt. Only J.J. Long objected to this decision. There will be a meeting on Friday (today) to decide the new T-shirt designs. It was agreed that the orders should be in as soon as possible since heavy sales (120 shirts in September) and thefts (n-jineers) have depleted supplies.

math-arts semi-formal

After some alterations a revised proposed budget was sent back to the treasurer (who was absent) for further decisions. The budget for the fall and winter terms as it currently stands is as follows:

MathNEWS	$2200.
Social	1500.
Orientation	1000.
Office Supplies	750.
MathLetics	650.
AntiCal	500.
Education	500.
Transportation	150.
CSC	0.
Contingency	2522.
TOTAL	$9972.

J.J. Long made a suggestion that MathSoc aquire an outside telephone line. He estimated the extra cost to be $200 a year.

At this point, the meeting was starting to disintegrate. The acting editor of mathNEWS made a brief statement that little over $330 had been spent during September. No objections were raised concerning this expenditure.

An election committee was quickly formed and the meeting collapsed to meet again on October 7th.

mathNEWS

SOUNDOFF: unguided

The Careers Day talk on Computer Science offered little information or guidance. Although perhaps deliberately intended for graduating students, there was little to assist the first-year student. It was recommended to me by Professor Brillinger to attend the session, as I had expressed to him confusion concerning my career goals.

My particular question as to the merits of a four-year program as opposed to the three-year pass program, when posed to the guest speaker, was left unanswered. The few students who seemed satisfied with the speaker's responses, were inquiring about his specific field of computer consulting.

The talk itself was a collection of suggestions from graduate co-op students now working with the lecturer's company. Despite their brevity and vagueness, maybe a few senior students benefitted from these pointers. Other students were left with little direction concerning course selection and job possibilities.

Some suggestions for future career days:
1) Offer separate talks for freshmen and graduating students.
2) Get speakers more aware of actual job requirements and more familiar with present university courses.

TERM vs YEAR

In two weeks a motion will come to Math Faculty Council regarding making all first and second year courses in the Math Faculty into half credit courses. Many courses in the Faculty are already half year courses. If this motion passes you may not have to worry about grasping eight months work in a three hour period. Of course the term courses may be harder than they are now, but you will probably learn better in a four month spurt. Also you get a chance to drop a course (or even fail it) in the second term without losing credit for a successful first term.

Also you can change profs between terms. One thing eight month courses allow, however, is slacking off in the first term, but this usually doesn't work, especially if you are in co-op.

MathNEWS is giving you a chance to express your opinion on this matter by filling in this questionaire.

Check one of the following:

I believe 1st and 2nd year Math courses should be
a) all be term courses
b) all be year courses
c) be term courses if compulsory

1

MyTHLETICS

Well folks welcome back to another year of sports as seen through the twisted and perverted minds of SCROOGE and "the coach". As you may have noticed, this column sits under a new title this year. Actually, the editor of this illustrious publication (which just Tuesday gouged Mathsoc for $2200) figured that if he changed the name of the column, we'd get lost and wouldn't be able to find our way back to this space. But alas to no avail, we're back and there is no way that either you, the reader, nor he can tear this space away.

Getting along to the big news of the month, Ms. Kathy-X was appointed against her will to the position of Mathletics Director in charge of Recreational sports, while Gregg Andrews almost volunteered (before he was forced) to be Director in charge of Competitive sports.

Now that we've gotten the facts out of the way (savour them, they're the only ones you'll find all term), down to the meat of the bull, drivel and perversion.

It was pointed out to the editor of mathNEWS many times, by a cross-section of Math students that "FICTLETICS" was not merely "fiction for sports fans", but out and out lies. So in his official capacity as conscience of Mathies he changed the name to Mythletics (actually he wanted to call it Mathletics, but in tough negotiations it was agreed to change it to what you see above).

FOOTBALL
MATH AARDVARKS KICK
GROINBRIARS WHERE IT COUNTS

SCROOGE BECOMES SECOND LEADING SCORER

Tuesday, the Math Aardvarks football team stretched their season record to 2-0, their best in at least as many years, as they beat the GROINBRIARS 19-6. Many of the fan thought that the only thing that could have topped Tuesday's performance was the second coming. As usual Dave Wright got his mandatory two touch-downs, and Paul Noble got a single point conversion. Then if it can be believed, SCROOGE, our no-star defensive tackle, scored his first touch-down in 6 years of high-school and college football, on what can only be explained as a series of total blunders on the part of the GROINBRIARS' offense, and in no way reflected upon his ability. After the game, in an interview with mathNEWS, SCROOGE described what happened. "Well you see, I plays dis game I tinks dey call football, well anyways, dey told me if I tries to kill dis guy on de udder team called a 1/4-back I tink, dey'd take me out to de Campus Center and gets me drunk. Anyway one of dose times when I was chasing dat guy, he trips and drops de ball beside him. Well, I figures I got him at my mercy, so I proceeds to give him the "old 1/4 pounder". 225 pounds, mine, dropped from a height of 5 foot 10. Soon's I lands on the guy some prison feller, in a striped suit blows de whistle and I tinks I's got a penalty. When I gets up all de udder boys on de team is congradulatin' me and telling me I just gots

meself a field-goal or touch-down or something. It seems in dis game ifn youse drops on de ball in de end-zone youse gets some points, only youse can't do it in your own end for some reason. Anyway, de boys tooks me out for lotsa beer after de game, so I guess I musta done something good."

Following that phenomenal feat (is there no end to the credulity), it was determined that the President of Mathsoc did have that "speed" he had been spreading ugly rumours about for the past 3 years (and which had never materialized), when he actually caught up to a pass receiver who had a ten yard head start.

Some of the usual acts that our regular super-stars pulled off this game were: interceptions by Paul the Noble, Dave Wright, and a last minute interception by Q.B. John Karam who was subbing in on defense, to squelch the GROINBRIARS' last desperation drive. Jeff "KAP" got off a few good kicks although he'll never admit it.

Next football game is Tuesday at 5:30 and there is an exhibition game Monday afternoon, check the Mathletics bulletin board for relevant details.

OTHER THINGS

This Sunday, Water Polo starts. See the Mathletics bulletin board for the time (you should know the place). The captain tells us they are desparately short of women to play, so if you're female and don't feel totally un-at-home in your bath water, then you'll probably qualify, so head out to the P.A.C Sunday night.

Co-ed Slow Pitch game this week-end, we need bodies even if you are useless (most of the rest of us are). The game schedule is in the Mathsoc office on the bulletin board so go in and find out about the game.

BABBLING

This is my first and hopefully last article for mathNEWS, that infamous mag that is really just a random word generator connected up to a 2741.

For all you who missed the great wine and cheese party, I wish to say that you missed something. A large selection of wines was unavailable from France, Germany and China, and the variety of cheeses still had to be seen to be missed. Light music mixed with the conversations so well that soon the conversations became confused and hence interesting to all Monty Python fans. Thanks to the ever present Mathsoc a complete failure soon became an utter flop, especially for those who had drunk a lot.

The frosh seem to be catching on to Modern Algebra :: assume a large number of things, then add "clearly..." or "it follows" etc. Modern Calculus is a complete bore because it seems to be a rehash of Grade 13. For all frosh taking 132A they should try the editor on the PDP11.

chocolate dipped, mosquito-repelling

BURLOAF

I hear from the rumour mill that someone or other raided the ArtSoc office and removed their banner, which they then planted in the SciSoc office. This way, SciSoc gets framed and ArtSoc gets upset at SciSoc. I hear this deed was perpetrated by the n-jineers (who else?). It sounds like a variation of the James Bond movie where a Japanese guy was attempting to get the U.S.A. and the U.S.S.R. upset at each other so that they would go to war, annihilate each other and then the Japanese could take over control of the World. Back at the University, I hear also that ArtSoc, (with the co-operation of MathSoc?) is going to pay a visit to the EngSoc office.

Anyway, by the time you read this, this will all be history. Also, I've noticed, of late, that MathSoc has taken to keeping cobs of corn in their office. Don't ask me why. (Although I think I know.)

*   *   *

To date, mathNEWS has 33 subscribers, including a few who have signed up for two terms of the paper. Right now, mathNEWS has switched to envelopes with labels from ones where the address was typed onto the envelope. This new method has resulted in a savings of time and effort as well as cost (Because of inflationary trends, to have continued with the old procedure would have made the subscription service a money loser.) and has reduced screw ups that 2741 terminals delight in causing.

*   *   *

This week, we again present an INTEGER_OF_THE_WEEK. This week's constant is:

11

This number has the interesting property that it is the only palindrome with an even number of digits that is a prime. (A palindrome is a number that remains the same when written forwards or backwards for example, 12321, 946649 or 1003443001). All other palindromes that contain an even number of digits are composite. (If last week's problems section interested you, you might try to prove why this is so. It might help if you note that every palindrome with an even number of digits has 11 as a factor -- even 11.)

If you produce the powers of 11, you get 1, 11, 121, 1331, 14641, ... These numbers, if separated into digits and written one above the other, form the start of Pascal's triangle:

```
          1
        1   1
      1   2   1
    1   3   3   1
  1   4   6   4   1
```

If you work in base infinity, you can carry this exponentiation on forever to get an entire Pascal's triangle. Note however, the number you use must be "11" when written in the base you are using. (i.e., when using base 20, you exponentiate 21, which looks like "11" in base 20.)

Base one is not as useless as it may appear to the layman at first glance. For instance, most people know about the 9's trick of checking addition. An example:

```
  38967      3+8+9+6+7=33   3+3=6    6
+ 84473      8+4+4+7+3=26   2+6=8   +8
 123440      1+2+3+4+4+0=14  1+4=5  14  1+4=5
```

By adding up the digits, we are effectively taking the number modulo 9. I.e., 38967 is equivalent to 6 mod 9. This check of adding up the digits works for any base. For instance, working in base 16, adding up the digits effectively gives us a result modulo 15. Well, computers work in binary so that if we add up the bits, we get the number modulo 1. This means in computers, we could put in checking circuitry that checks the result of an add by adding up the digits. However, as any number modulo 1 is 0, we can do away with this bit adder, and hard wire inputs to the checker to 0. As 0+0 is always 0, we can in fact do away with the checker altogether. This means we can install circuitry to check addition results and insure machine accuracy with no cost whatsoever.

WARNING
LAST CHANCE
TRAGEDY jjlong reports:

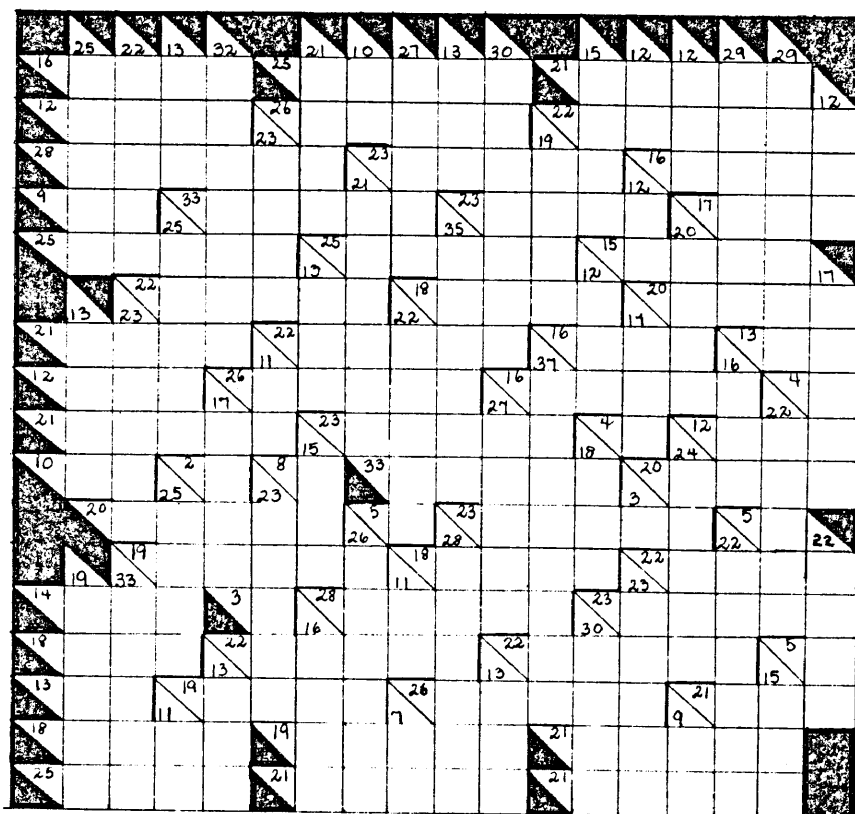JJLONG REPORTSREPORTSREPORTSREPORTSandREPORTS

In this Fed Report we have some information about pubs and some comments.

Agreement on the Campus Centre Pub is near with possibly a very decent deal for the Feds. The situation is not so rosy with Food Services. The Board of Entertainment has urged the Federation and all societies not to hold functions at Food Services in order to get support for their bargaining.

Last March at the time of the 1975 Annual General Meeting I tried to bring bylaw changes into effect. John Shortall told me that he would form a bylaw committee and a special meeting to enact new bylaws would be held in the fall. Well the bylaw committee was finally formed in late September after being initiated by me (not Shortall) in May. Shortall now wants to delay action until the 1976 Annual Meeting (when last spring he said that Annual Meetings were poor times to pass bylaw changes and that Special Meetings were much better). Mr. Shortall has also gone against my recommendations that open public forums be held for submissions to the committee. So you must submit your suggestions directly to the Federation office.

Another thing which has bothered me lately is the poor advertising of Federation Council Meetings. Even council members are not being informed of meeting times (this could be a reason for our quorum-less meetings). The next Fed meeting will be held Wednesday, October 8th in the Food Services Building and dinner will be served there (I understand that Mudie's new submarines, which I will not comment on, will be served). Perhaps we may get quorum.

If you want any information about the Feds (or simply which to contact me) you can leave a message in the Federation office or in the mathSoc office. I can also be reached on the Honeywell 6050 mail system (jjlong) or by writing me at 77 Brybeck Crescent, Apt 408, Kitchener, Ontario.
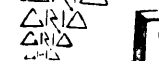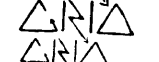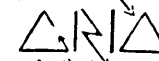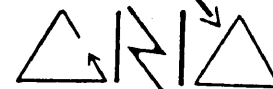
NAME:
_____

PHONE:
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ALIAS:
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EXCUSE:
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LOCATION:
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THREATEN:
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OTHER
COMMENTS
_____
_____
_____

1. Number above diagonal line is sum of digits to the right.
2. Number below diagonal line is sum of digits below.
3. No zeros.
4. No digit appears twice in any given sequence.

This creation by LYNN HELWIG.

SOLUTION to LAST WEEK

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
A	A	T		J	H	W	H		A		A	S	E	S	S
B	S		B	A	O	R		A	M	P	L	E		I	S
C		M	O	R	N	I	N	G		L	E	A	S	T	
D	C	A		G	E	T		G	E	A	R	S		U	P
E	R		T	O	Y		E	R	E	C	T		M	A	C
F	E		W	N	W		W	E	R	E		L	O	T	
G	S	P	A		E	L	E	G	Y		B	A	L	E	R
H	T		I	D	L	E		A		U	N	T	O		A
I	U	N	B	L	E	S	T		N	A	S	T	Y		
J	A	N		L		S	T	E	E	R		O	V	A	
K	K	I	R		B			m	U		A	V	E	R	
L	S	N	A	I	L		M	I	L	A			S	T	
M	C	O	N	F	O	R	m	I	T	Y		I		S	
N		W	C		W	O	R	m		B	A	B	S		
O		N	H		N	I	C	E	S	T		I	m	A	m

created by D W Gillett

GRIDC☺MMENT

This is my first attempt at writing a gridcomment (last week was my first attempt at writing a gridword) so here goes. There were 12 solutions submitted for last week's grid (13 including J. Howieson's late answer to the week before), only one of which was correct. So anyone who can prove to our editor, D(astardly) Mullin, that they are the one and only
---> FRED <---
is entitled to a free T-shirt (if the n-jineers have left us any).

Four people who should have known better thought Astatine was Arsenic and Arsenic was Argon. Six people thought the best-selling novel by Leon Uris was "Mile 18"; special mention to W. Taylor, who thought it was Mild.

None of those who submitted solutions had trouble with Imam (I got a mail complaint about it, though) or JHWH (<->Yahweh<->Jehovah).

Five of D. McInroy's felt pens were on strike, but the remaining "pitiful" rainbow was still wrong. Better luck in a couple of years.

So here's this week's gridword, absolutely free, no obligation, no strings attached. (Entrants should be over the age of three, or have parental permission, as a skill-testing question (what is your name? may be asked.)) Void where prohibited by law.

unclassifiable ADS

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 3rd 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, M&C3038, or send them in the mail subsystem on the 'Bun to userid mathNEWS.

FOR SALE: 1970 Datsun 510 sedan 4-door, standard; new tires $1000 or best offer. phone 743-0454 after 5 pm.

FASS GENERAL MEETING WED. OCT. 8 at 7:30 in Arts Faculty Common Room ML105. Come and see what FASS is all about. Everyone welcome. Party to follow.

Some uneasy

Problems

— — — — —

Last week mathNEWS premiered its problems section in which we proposed three problems. We have received solutions to the first and third but not the second. I have been asked to republish the problem with a hint rather than the solution. So here is the problem once again:

Q2. Evaluate the integral

$$I = \int \sqrt{\sec^2 x + k} \, dx \, , \qquad k > 0$$

HINT: $u = \sec x$.

Now for some newer problems to be added here. Again we invite the reader to submit their solution into the mathNEWS mailbox outside the Math Lounge. If the reader has any proposals, please feel free to submit them. I can't think of them all, you know!!!

Q4. Proposed by S.C.L.
Let $P(x)$ be a polynomial with integer coefficients and let N be any positive integer. Also let α be a complex number such that $\alpha^N = 1$ but for $0 < i < N$, $\alpha^i \neq 1$.

Prove that if $R = \prod_{i=1}^{N} P(\alpha^i)$, then R is an integer.

Q5. In the following diagram, not drawn to scale, find the ratio of

$$\frac{\triangle AFE + \triangle DFC}{\triangle ACF + \triangle DEF}$$

where (for example) $\triangle ACD$ represents the area of triangle ACD.

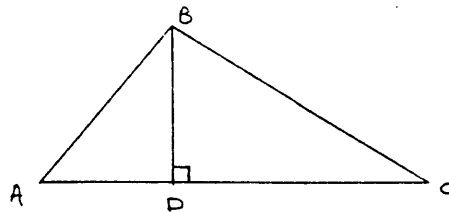Q6. Prove that the sum

$$\sum_{k=0}^{\infty} \binom{n-k}{k}$$

is equal to the nth Fibonacci number(ie. f_n in the sequence $f_0, f_1, f_2, \ldots$ where $f_0 = f_1 = 1$, and $f_{n+1} = f_n + f_{n-1}$ for all $n > 1$).

Some Solutions to Some Easy Uneasy Problems

The solutions that follow are those solutions submitted by the readers of this section. Since the solutions were submitted these problems are no longer uneasy and are not OUR responsibility.

Problem #1: Prove that in any triangle the square of the length of any side is equal to the sum of the squares of the two.... In short prove the cosine law.
Solution:

Construct a triangle ABC where AB is the side to be found. If we are given angle C we can find side BD as $BC \sin C$ and $DC \cos C$. Thus AD is $AC - DC \cos C$.
Then $AB^2 = (AC - DC \cos C)^2 + (DC \sin C)^2$
$= (AC)^2 + (DC)^2 \cos^2 C + (DC)^2 \sin^2 C - 2(AC)(DC) \cos C$
$= (AC)^2 + (DC)^2 - 2(AC)(DC) \cos C$
since $\sin^2 C + \cos^2 C = 1$ QED

Problem #3: Show $\int_0^1 \frac{1 - (1-t)^n}{t} dt = \sum_{k=1}^{n} \frac{1}{k}$

Solution: submitted by Ian Goulden

Consider $F(x) = \sum_{k=1}^{n} \frac{x^k}{k}$

Then $F'(x) = \sum_{k=1}^{n} x^{n-1} = \frac{1 - x^n}{1 - x}$

$\int_0^1 F'(x) = F(1) - F(0) = \sum_{k=1}^{n} \frac{1}{k}$

$\int_0^1 F'(x) = \int_0^1 \frac{1 - x^n}{1 - x} \, dx$ change variables $x = 1 - t$

$= \int_1^0 - \left(\frac{1 - (1-t)^n}{t} \right) dt$

$= \int_0^1 \frac{1 - (1-t)^n}{t} dt$

hence

$$\int_0^1 \frac{1 - (1-t)^n}{t} = \sum_{k=1}^{n} \frac{1}{k}$$

It shows what can be done when you're 20 years behind :: so quick that sometimes you just have enough time to go home and eat lunch, and catch a movie on the way back. Powerful enough to take two whole DEA without the line going down. If you have a day or two you can try running a whole programme through it. Famed for its speed it can almost match the haste of the Canadian Postal Service. Or if (when) you give up try Debug, try Debug, try Debug - then give up. Where to now?: HONEYWELL of course. Called the bun by people who haven't tried this amazing complex whatsoever, you will soon find out how to play startrek in english. The hacks are always ready to help you sign off and the consultants know so much as to teach you to sign on in one 7 hour lesson.

Professors are easy to understand if you speak their language - some even speak english. Always saving those little nothings that prove totally meaningless, professors are constantly inventing new words so as to eliminate any

possiblity of anyone claiming their fallibility. Most of the frosh seem to think that scribbling down every word he says or writes will eventually produce a higher grade at Christmas. It is nice knowing that the Dean of the faculty doesn't worry himself too much with such useless things as logic. He states that this is an elitist and authoritarian faculty and then adds "hope you don't fail". One thing you can depend on here is someone sending you to someone else when you need help. Some of you may say that the above comments are exaggerated but then the way things are going (not going) around here...

Mr. (?) Burloaf claims that "the moment when first you wake up in the morning is the most wonderful of the 24 hours." Now we know why everyone is falling asleep during lectures. One must admit that it is not wonderful knowing that some really awful things could happen to you, well still believing "the fact that it practically always doesn't matters not one

math**ETICS**

SLOW PITCH: MATHIES CRUSHED

In picking up where I left off last week, the Math slowpitch team had a perfect weekend this past Saturday and Sunday. However, in losing twice the Mathies did put up a good struggle. Considering that both of the other teams were real keeners in showing up with their own sweaters, gloves, first and third base coaches, scorekeepers and a manager to tell everyone where to play and when. It was amazing that the Mathies were even able to stay in the games since Mathies only play for fun.

Saturday's game in which Math played the Hobbits was a disaster right from the start. At first it looked like we would have to default the game since we didn't have the minimum number of girls. (they wouldn't even let us count Kathy-X as two). However when Irene showed up we were doomed. With almost an entirely different team from the week before, (we stank then too), the Mathies immediately got bombed. The game was called after 4 innings since Math was trailing by 12 and couldn't possibly win, and also so that everyone could eat and get to the football game on time. The final score of the game was: Hobbits 24-Math 12.

On Sunday, some of Math's players of the previous week returned and Math put on a fine display of slow pitch. In other words, the Campus-All-Stars (whom we played) couldn't have been too good since Math almost won. The future looked bright after 2 1/2 innings when the Mathies were only trailing by 7 to 5 after having shut out the All-Stars in the top of the third. However, Math was in turn shut out in the bottom of the third (probably the first shut out inning ever in slow pitch). From here the All-Stars continued to increase their lead and so Math lost 14-10. The next game is Saturday, October 4 at 11:30 on Columbia diamond "A". Math is playing the Lakeshore Lakers so we have a good chance to win since Lakeshore is the ONLY team we've beaten this term.

Volleyball

The first Math co-ed volleyball game of the term was played on Wednesday night. Whether or not Math had enough players for the game is not known at the time of writing, as this was written Tuesday night... (Oops... Wednesday morning). However the next game will be at 8:30 Wednesday, October 8 at the PAC. Math will be playing the East-eaters on court 4. Be sure to turn out, up, or over....

FLAG FOOTBALL

Lead by outstanding defense and also by sophmore sensation Dave Wright's two touchdowns, the math flag football team won its first game of the season by a score of 13-2.

The defensive line's outstanding second half performance shut out the ROX at every turn, as the only points scored were on an errant snap from centre, which sailed into the end-zone and was pounced upon by the ROX's QB John Karam.

While the defensive line kept Karam busy, sacking him 4 times, the backfield picked off 3 passes, of which Dave Wright got 2 and Scott Huntley the other.

Next game is on Sept. 30 against the GROINBRIARS......

JAWS

One wonders why nobody thought of it before! Reports indicate that the October 8th meeting of the Federation will be held in the PAC, with admission being charged.

This "3-ring circus" is said to include a full cast of "lions, tigers, and elephants", but it must be asked -- "Will they have quorum???????"

Find out 8 p.m., Wednesday, October 8th, in the PAC.

TRIAD FAILIAD

People may or may not have noticed what they thought was an engineer's version of a ladder between the Biology and Chemistry buildings. The truth, however, must be told.

In fact, this iron monstrosity was an attempt at art. It still bears the title given it by the artsie who created it - "Triad". Unfortunately, time and weather have all but erased his prof's comment: failad. (Artsies can't spell, obviously.)

6

COMPLAINT

I would like to voice a couple of thoughts that I'm sure are on everyone's mind. First, with the transit strike, as everyone knows, the buses aren't running to Uniwat and subsequently other means of transport are required. I'm probably not the only one that has to drive to school (bikeless). When you arrive the lots C, A, M, W are full; naturally lot E is the only alternative. You'd think Security could realize this but, oh no, they're pulling cars out of there left and right. In a crisis such as this, everyone should work together to make the effect less. Now I know the God Almighty buck is important, as well as security, but it seems to me some concession could be made until the strike is over. Finally, consider the debug terminal. Every night this week, there has been a group of first year Orientals (e.g. running Watfiv) who have no regard to the system and the general MATH way of life. For instance, one doesn't stand around the printer comparing programmes while succeeding outputs spew out onto the floor. Neither do you crumple up bad programmes and fire them to the floor or rip off waste paper and dump it on the floor. By the time 11:00 rolls around, one literally has to wade through the paper. As no other publication has such a great effect on the students as mathNEWS, perhaps you could implement a programme to correct these problems. Any suggestions from your readers could be mailed to MATHSOC. Thank you very much for allowing me to express my views.

Truly,
OCHIN

JUNKED

Suggestions re: MC 3014 (the study room)

Would it be possible to have a pencil sharpener installed in this room? I'm sure all the users would appreciate it.

Also, the users would appreciate a notice or sign of some sort telling people NOT to leave their books, coats, etc. spread out all over taking up space, while the owners of said possessions take off for a couple of hours to attend classes. Isn't 3014 supposed to be a WORKroom, not just a storage area? Surely it wouldn't be too difficult for those people who leave their junk sitting around to store it in their lockers. I know there aren't enough lockers, either, but some of them must have lockers, or have friends whose lockers they can share. I really get teed off at the selfishness of these people, when I go to 3014 trying to find a place to work for an hour and there just isn't any space. Perhaps it would be acceptable to remove their junk to the Mathsoc office where it could be reclaimed (or something of that nature).

What do you think about it?

R. Jones

Editor's Comments

If you would like to sharpen your pencil come to the mathSoc office (MC 3038). As for moving junk to the mathSoc office this would not work out as mathSoc is disorganized enough now.

jolt." Mr. Burloaf also believes in changing the meaning of words like "jolt". I guess we all have our troubles.

They are still talking about those ten second-year students who photostatted a cow. It seems that a few students wanted to pull a stunt to remember. Finding the cow didn't take long but getting it here to the EMS library was no picnic. They brought the cow in very quickly since the librarians were not too happy about having it there. Fighting off the sex-starved n-jineers (who like anything with big mammaries) they manoeuvered, with the help of a few chairs, the cow onto the xerox. After making copies for all, they quickly left (with cow which they returned). It doesn't really look like much but do you have one?

This being IWYear I think that Mathsoc should make a T-shirt for it, with a sketch of the famous woman mathematician Holly Carswell. If some people wish, I will publish a few articles about her.

...The Wild Gerbil (strikes again) with a little help from my friends.

C.S.C.

The Computer Science Club, at long last, held it's organizational meeting on Tuesday, September 30th. About 40 or 50 people turned out, which is pretty good considering the short notice on which it was given.

The meeting began when last term's vice president gave an introduction about the CSC. Shortly after, nominations for a new executive were held. It was decided that rather than elect people to specific positions, people would be nominated for the executive, and a vote held. The top four people would then form the executive; who takes what position will be decided by these four people. This procedure was decided upon because almost all of the active CSC executive from previous terms had left, leaving only people who had previously played minor roles to take over office. The four people to form the executive that were elected from the nine nominees are: David Buckingham David Conroy Peter Raynham Slavko Stemberger

BEGE CRAM

BEE GEES CONCERT

About 5300 people crammed into the PAC last Friday night and heard one of the most professional productions ever put on in the barn. The Bee Gees used electrostatic woofers and didn't try to blast everyone out of the gym. As a result we were treated to a very clear sound and strong vocals.

The lead off band was a Canadian group called DUDES featuring two drummers and four guitars. Their music was fairly good but tended to sound somewhat similar as the set went on. All in all, a decent warm-up to the main event, or should we say, Main Course.

The Bee Gees managed to perform most of their new album including their hits, "Nights on Broadway" and "Jive Talkin'", the latter bringing everyone to their feet, partially out of muscle cramps I'm sure. The middle part of the show featured a medley of their old hits with some clowning by one of the Giff brothers. This portion left some Bee Gees fans disappointed as they would have liked to hear entire songs. Of course they would have had to sing until midnight to do it but...

The light show was also good and included a huge transparent backdrop with the new Bee Gees logo on it, surrounded by blinking lights. A mirror ball was hung over the stage and scattered light all over the PAC during two or three numbers.

Coming up is the Hanneford Circus on October 8th in the PAC, and at the Kitchener Auditorium on October 23rd will be SHA-NA-NA. This will be their 3rd concert in the area in 4 years. Last fall they played to a packed house in our own PAC so get your tickets early. All seats are reserved and can be obtained from such places as the Auditorium Box Office, Sam's in Kitchener, Art's Recreation in Waterloo and the Federation Office.

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After elections, a discussion began about what the CSC might try to accomplish this term. Suggestions include bringing in speakers such as Dennis Ritchie from Bell Labs as well as several interesting members of the University of Waterloo. Also to be planned are lectures on such topics as QED, GMAP, varian plotting and machine architecture. A final list of lectures will be drawn up when various details (such as availability of speakers) are sorted out. At that time, lists will be posted and people can sign up for lectures they wish to attend. This will give us an idea of how many will turn up.

Account numbers were also discussed. Long ago, CSC started giving Honeywell accounts to all members. This had the effect of having CSC membership swell from about 40 or 50 per term to 150 members. Because people joined only for the account numbers, and many people spent their time playing games, it was decided to alter this policy. A projects file was started, which contained projects that any member was free to take on. If he took on a project, he would get resources. So far, with the exception of the chess project which began before this policy, only one project has been started. The projects policy will still hold, however, it was decided to also try to give out account numbers to all people present at this meeting who did not already have a Honeywell account. The restriction of requiring attendance at the meeting is to prevent a rush of new members who would join only for the resources.

Volunteers were requested for sitting in the CSC office so that it can be open regular hours during the day. This will allow CSC members to access the library of the club, and execute other CSC related business, or just come in to talk.

After discussions, the meeting was adjourned. Everyone made for the coffee and donuts, and new memberships were taken. 28 members were signed in at the meeting.

If anyone wishes to join the CSC, they may do so by coming to the CSC office, which is room 3037, across from the MathSoc office. Any executive can give out a membership. Effective immediately, there will be temporary office hours, until a permanent schedule can be worked out. Being a member of the CSC allows you to borrow manuals from our library as well as getting you reduced rates on any field trips that may occur. Membership costs a dollar. Should you decide to join the Association for Computing Machinery, the CSC will put the dollar forward to help pay for the membership.

Any future CSC happenings will be posted on the CSC bulletin board inside the second floor foyer, as well as by the CSC office.

masthead 9.4.........

This week we were too tired to put together the extra two pages so next week we will have the first in a series of articles on famous women mathematicans. We will also have another message from Coldshack:The Day Stocker......as well as some info on computing centre courses.

I have a coulple of notes from our prez ggdryden telling me to tell you that mathSoc wants t-shirt designs. Designs for Department T-shirts,Euler,Gauss,mathSoc,Co-op designs are wanted as soon as possible......there will probably be a meeting to discuss this later today(friday)in the mathSoc office. Drop in.

Now for our info blurb....we are an all volunteer staffed paper whose financial needs are met by mathSoc(most of the time) ....the views in this paper are the sole responsibility of the mathNEWS staff.....we toss this to Graphic Services on Wednesday who manage to multiply this into 8pages having 1200 copies each....

We are starting to run low on rumours and triva, but here's what we got............the mail system has/had a bug which allowed anyone to gain access to somebodi elses mailbox with read,delete,et c. options......Rick Beach who wrote last weeks front page article told us that he got a phone call from someone at York University asking about the "Mathematics Society Newsletter"....the person was interested in the misuse of computer resources....rumour has it that mathSoc,artSoc & sciSoc are planning guided tours of the engSoc offices........this our 84 74th issue of mathNEWS.....

Our staff this week consumed 12 cups of coffeee and 5 dozen donuts(which the C&D manager said tasted better than the ones he gets....ours were day old donuts).....we were organized(?) tonite with Ron and Steve doing most of the organizing......thanks for your excellent effort which resulted in an early finish....it is now 649hrs inthe mathSoc office which is littered with bodies We were an algoled INGRID SPLETTSTOESSER; a lampooned GLEN ASHTON; a TOM KEITH in the scotch broth;the BNMILLS and HUGH R U who proofread(?????);a well integrated student(from 0 to 1) was MIKE DILLON;a Mathic SMITH; a GARY DRYDEN with tale;a JJLONG who reportedreportedreporlogicaldisconnect; dearticalled DAVE GILLETT; an execed PETER RAYNHAM; a KATHLEEN who TURNERed out another article; a newly accounted BOB SANDIFORD; FRANK PINTERIC who had his problems; a second problem was R MORRISON;also RANDALL aSleep McDOUGALL; and finally the two surrviving staff.....Sir STEVE RISTO who is currently draped over 4 chairs and DENNIS MULLIN currently draped over a typewritter. This is PAGE 8 . Our next meeting will be in MC3011 on October the7th.....

Since we still have a bit of space left we will give mention to X who stayed long enough to munch 2 donuts, to Gary Prudence who was in and out all nite....special not to Pat Maynard....grid policy is still to be decided.....

During the past weekend a group which we will call n entered the mathSoc office and made off with a number of t-shirts without paying for them....apparently they decided stealing the pink tie wasn't worth the effort(even thou' it was in plain view)...

Plans are being formulated to deal with the matter......more next week....this the earliest _finished_ paper this term.....it is

now 7:23 Nite!