

The President writes AN ARTICLE

"an article"

Anyway, they tell me that its my duty to write an article and besides which, it might prove usefull. If I was gifted enough to write an article that would cut through the anathy in MATH, I would be writing scripts for the Watergate hearings instead of studying switching circuits on a beautiful like this. However, here goes nothing.

As some of you may have noticed, the Mathematics Society is back again, just cliqing along. With much the same problem-no money and worst of all nobody is really too interested

Maybe if I list off one or two of the things that are going on, I can stir up some interest. Long range activities are: ORIENTATION, under the direction of Tim Skinner and Don Ablett; ANTI-CALENDAR under the direction of Suzie Bell and Denis Ablett; CO-ORDINATION and COMMUNICATION with other societies, Fed. of Studs and Faculty, under nobody's direction because nobody seems interested(M.B.- we need a representative to the ENGINEERING SOCIETY, anybody interested?). Coffee and Donuts is proceeding well under the capable direction of Podger Dougall, assisted by Tasha Johnson. Mathematics seems to have

got it all together with the help of (or in spite of) John Higgins and Liz Kunka, our Faculty Council reps, went to a meeting and were able to be the only people voting against adjournment meeting and were able to be the only people voting against adjournment for the summer. The Curriculum Committee has had one meeting at which changes to 217 and a new science course for Math students were discussed. Following those matters, a discussion was instigated over a students request for a double degree. Because of time, it was pushed off untill the next meeting. Anyone interested in this topic should see the Curriculum Committee representative(me). Social is proceeding like a house on fire and Phil and Marq(I can't spell either last name) have matters well in hand, although here again we could use any help thats available.

Matters still in the offing: ELECTIONS-lots of people running, need more, especially first year; SUMMER WEEKEND-Phil has plans and needs people

and more ideas; SURVEY of on-campus publications(CHEVRON, ENGINEERS, MATHNEWS, etc.) suggested by Eng. Soc. and endorsed by us. Something will be done.

Well, time to get back to 471, but just a word on MATHNEWS. Six or seven people produce this on an all-night basis. They vern't asked, they volunteered, which shocked the hell out of me. Most people don't help them as much as they should, myself included. If you have anything to say or are at all interested, come out to M&C 3033 and volunteer.

ARTS

NEWS

CIRCLE 

a news bi-weekly
published at the
University of Waterloo
Vol. 2.2
Thursday June 14, 1973.

Under the nebulous category of community service information, this week mathNEWS is exposing the truth about Circle K.

Circle K is an international student organization affiliated with Kiwanis. Their aim is to serve the university community and the area in which they are located. The Circle K Club on the Uniwat campus has been active for eleven years. They organized the Campus Shop, Fasn and manned the information kiosks. These activities have ceased to be run by Circle K. Presently Circle K runs a part-time job service, boat race, ride service, tours, and last but not most important the Circle K Used Bookstore in the fall and winter



terms. They have a good(?) selection of reference books; they welcome browsers. This year's club will be organizing such projects as the Swish Swash Car Wash, Used Bookstore, Sleigh Ride for the Retarded Children, Hallowe'en Party for the cerebral palsev children and other projects which may come from inspired people. If you want to get involved with active people who care, join the Circle K Club. Meetings for the summer term are in M&C 3040 (right next to Math soc) Mondays at 6:00.

Prof. of the Week

This week's Prof of the Week is Dean Forbes. Rather than start from a random point we decided that the best point to start from was the top of the tree.

Professor of the Week - William F. Forbes

-Professor of Statistics and Dean of Faculty of Mathematics

-B.Sc.(Mathematics) London University, England; B.Sc.(1st class Honours Chemistry) Imperial College, London University; Ph.D.(Organic Chemistry) Imperial College, London University; D.Sc.(Physical Organic Chemistry) London University.

-President of the Canadian Association on Gerontology (Gerontology is the study of aging).

-Author of many research papers and several books

-He has had teaching and research experience in England, Newfoundland, and Australia; was a Visiting Professor at the University of Rochester Medical School; and a special consultant to the National Institute of Child Health and Development and Aging (N.I.C.H.D.) N.I.H. of the United States Public Health Service

-He is Chairman of the Board of Computer Coordination for the Council of Ontario Universities

-Married with 2 children

Opinion on the University of Waterloo

Dean Forbes comments that this University is in a critical position. A decision has to be made as to what social function our particular university will provide. Other, older, more established universities are more set in their ways. Waterloo is now the 3rd largest university in Ontario but since it is relatively new, it is still able to choose its role; whether its main aim should be certain specific areas of research, extension work, or particular aspects of education; for example technological education; it can also choose its size, quality, and strength of its various components. Waterloo can be reported as facing a crisis with respect to its future development.

Opinion on mathNEWS

Dean Forbes believes that mathNEWS serves a useful purpose as a means of communication. Because of the size of the Faculty it is difficult, particularly for students, to feel part of the whole organization. It is also difficult because of the lack of willing help. Out of all the many students in this Faculty, we always have to rely on a few willing workers and we are very indebted to them. Few students make themselves known to Mathsoc and to Professors because they do not know where to go or to whom to turn. He stated that one of the purposes of Mathsoc and mathNEWS is to let students know who does what, and what should be done, and how it might be done.

Comment:

Dean Forbes expressed his willingness, and that of his colleagues, particularly Department Heads and Associate Deans, to talk to students about any matters which seem important to them.

PROF. OF THE WEEK

If you have a favourite prof. or one whom you would like to know more about, submit his name to mathNEWS c/o mathsoc.

MATH SOCIETY BY-ELECTIONS

2-1B students
1-2B student
1-4A student



Nominations Close June 15 (This Friday)



Election Date: June 21

(The Following Thursday)



Support Your Math Society
Nomination Forms and Queries:
Mathsoc Office M4C 3038

the phantom reports...

This week has seen little in the way of innovation, at least on the '44 (i.e. APL). WHERE-FORE-ART our (out-of-date) updates from I.P. Sharpe? with all the new and convenient File Functions and character to number functions, and/or a SAFE outload or maybe they'll even get the one and probably only interpreter bug anyone's ever found, out of APL once and forever (you didn't know there was one, did you!) Oh well, I suppose we can suffer with our present version for a few more months (years?) and speaking of suffering..... you may have noticed that this week there are a lot of strange little creatures who are running around the building (i.e. It's Junior Math Contest time), which is always a lot of fun. Especially when you show them the APL games library and then find that since a lot of their accounts look like last year's General use accounts THE **** '44 won't let some of them play the games (note that this year's general account have no trouble at all in this respect!)

BINARY.....
1+1=0?
is a
BIT OFF!

As for the HIS 6050 (commonly referred to as The 'Bun), it seems that they now have a "MAIL" system so if any of you things out there in Honeywell-land would like to send any comments to mathNEWS, just send to "mathnoos" (now you know what we have to put up with) to find out about the "MAIL" system just tell the 'Bun to "Explain MAIL". And on the subject of "MAIL SYSTEMS" The Phantom can be reached through either APL MAIL SYSTEM

(555 MAIL or preferably 666 MAIL), in the meantime to YODAR and all his OSF'S and MAIL SPEAKS: The numbering system stinks.

And to FISH (both of them): tired indeed.... you should be here anyway!!!

COMING ATTRACTIONS

Thur.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.
B-Ball ¹⁴ Rookies Courts 8-9	¹⁵ Nominations close for by-elections of REPS <hr/> PUB WITH 'AMISH'	¹⁶ MOVIE 'PLAY for ME'	¹⁷ MISTY ME'	¹⁸ Soccer Math United Col#1 6-7 <hr/> Foot ball Mathsoc 6-7 <hr/> B-Ball Jets 8-9 Rookies Vs Mathsoc	¹⁹ Soft ball Mathsoc Dill. Gr. 5-6:30	²⁰ Soccer Mathsoc Col#1 5-6
²¹ Soccer Mathsoc col#1 6-7 <hr/> Soft ball Mathsoc 6:30-8 #5 <hr/> B-Ball Rookies 8-9 Mathsoc 9-10	²² PUB WITH 'FLAGG' Eng. Soc.	²³ MOVIE 'SILENT RUNNING'	²⁴	²⁵ Soccer Mathsoc Col#, 5-6 Math United Col#1 7-8 <hr/> B-Ball Jets 7-8 #1 Mathsoc 8-9 #2 Rookies 9-10 #2	²⁶ use your Imagination	²⁷ Soccer Mathsoc col#1 5-6 math United col#1 6-7 <hr/> Foot ball Mathsoc 6-7 <hr/> B-Ball Jets 9-10 #3

math ATHLETICS

Throughout the halls of the M&C building, on Monday and Wednesday mornings, one may have often heard a conversation about the Crackers. Team Cracker is a softball team which has a very envious, undefeated record in the intermural league. Most heavily represented on this team are 3A C.A. students.

As of June 11 they have played six games totalling 86 runs for and 11 against. In their first game they came away with a 26-1 victory over a mesmerized Village team. Other games went like 19-0, 18-1,.... The Crackers have received outstanding pitching from Bill Skinn, although the team has a lot of depth to back him. Other players include all time greats such as 'Boot' McKay on first base; 'Mormie' McLennan, catcher; 'Bloon' Proctor in left field, who never ceases to amaze the fans with his super fast speed and long throws to home plate.

The only real test for Team Cracker may come on June 19 when they meet the other undefeated, but not nearly as exciting, Kin 4A team. personally, I think the comparison may be similar to the Globe Trotters vs the Warriors. If Kin 4A tries to play a serious, cautious game, they will most certainly face an explosive onslaught from the Crackers who are already masters at breaking apart any ball game.

The Mathsoc football team is also undefeated in its endeavor to proclaim first place in that league. Impressive? Yes. After four games the opposition has yet to score a single point. Two of the games were unfortunately defaulted to us. The others went 32-0 & 13-0. The 13-0 was against the most highly rated team in the league, the Village Dons. It looks like victory at this stage.

As always, 'athie basketball teams are thriving this term. The Mathsoc team is in B-League...undefeated after three games. It is a hard-working and very enthusiastic club. What team members lack in height is generously made up in spirit and a pressing desire to become champions in their league. There are two not so apparant drawbacks which may alter their course to the top. One is the obvious lack of bench strength in all of their games thus far. This may hurt when it comes to competing in the finals. The other problem will be the Pookies.

The Pookies is another 'athie team in the B-League with a 2-1 record. Their most recent game was on Monday June 11 in which they handed out a stunning 74-7 defeat to the --8 Village club. They lost to a fast-paced basketball team by 4 points. That particular team is presently listed in A-League. It is the general consensus that the Pookies will capture the B-League championship.

Our representative in A-league is the 'Vets'.... and guess what? They are undefeated of course...3-0. -ere, too we seem to dominate the other teams in the league.

Math United also has a perfect record which shouldn't go unmentioned... 0-4. There it's mentioned. Looks like Systems United or the Professionals will capture the soccer title. Can't win them all I guess should say the members of Math United are damn good sports if anything. What gives 'athies their self-confidence and determination? Perhaps it's the highly polished paper dispensors in M&C building toilets... Probably not. The fact is that Mathies get involved! If there really is apathy on campus it is certainly not in the 'athletics.

jay bee

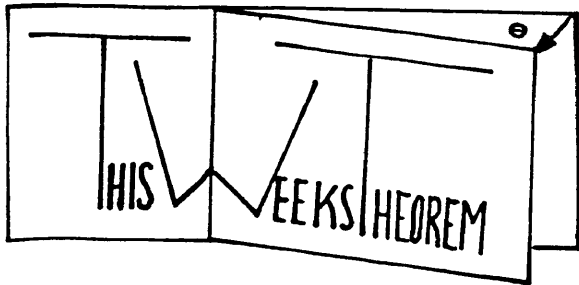
water,water

FROM THE BOTTOM OF THE POOL COMES YOUR FAVOURITE WATERSPOUTS SPRAYING THEIR WISDOM AND WIT TO ALL YE MATHIES.

IN RECENT BATTLES (AT LEAST SEMI-RECENT) THE TITANICS TURNED THE ICE-BURG AGAINST OTHERS. AFTER DEVASTATING THEIR FIRST TV OPPONENTS THE TITANICS WHIPPED THEMSELVES INTO A FRENZY FOR THEIR MATCH WITH THE INFAMOUS WATERBABIES. BUT ALAS THE DE-DIAPERED AQUATIC INFANTS TREMBLED IN THEIR CARRIAGES AND FAILED TO SHOW UP.

THIS THURSDAY THE TITANICS GO UP AGAINST THE ORPHANS IN THE EARLY GAME.

a&m



$$\begin{aligned}
 (i)^{\frac{1}{3}} &= [(-1)^{\frac{1}{2}}]^{\frac{1}{3}} \\
 &= (-1)^{\frac{1}{6}} \\
 &= [(-1)^{\frac{1}{3}}]^{\frac{1}{2}} \\
 &= (-1)^{\frac{1}{2}} \\
 &= (i)
 \end{aligned}$$

$$\therefore i = (i)^{\frac{1}{2}}$$

$$i^3 = i$$

$$i^2 = 1$$

thank-
to Gary

EXEC UTIVE

With elections looming ever closer, it occurred to me that many of you may not be aware that Mathsoc general elections were held during the inter term (in March to be more precise). At this time an entire new council was voted in (except, of course, those reps who are about to be elected in the upcoming by-election). I won't list the complete results of this election, but will list, instead, the new executive (the people who will be running Mathsoc next fall-winter):

President - Cindy Harris
 Vice-President - Andrew Haycock
 Secretary - Camille Tkacz
 Treasurer - Bonnie Watt
 Social Directors - David McMaster, Carl Chaimovitz

With all of these people off-campus for the summer, there is presently an appointed executive acting for them. These are:

President - John Dark
 Vice-President - Steve Smith
 Secretary - Mary Salt
 Treasurer - Hera Balabanian
 Social Directors - Phil Lanouette, Marg Oosthoek

These are the people to see if you have any questions (we may not always have the answers--in fact some people claim that we never have any answers--but we'll at least get you started!). You'll find any and/or all of us at some time or another in the Mathsoc Office (M&C 3038). Drop by!

 *** DEAR (i) MAGGIE ***

Dear Maggie ;
 What is a Gauss?
 The Plummer.

Dear Plum;
 A Gauss- to an engineer(sort of) is the root of the sum of the squares of the sides of a left-handed triangle.
 Maggie.

"GAUSS LIVES"

Eat Your Heart Out

Well, we've been badgered, beaten, and generally molested by everybody and their mother-in-law to formally announce the winners of the fabulous, superific T-shirt contest.

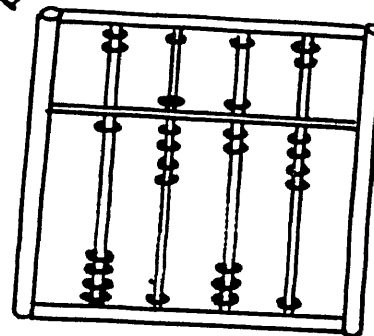
But before we spill the beans we thought we'd say a hearty thank-you to all those who took the time to submit an entry. In total, twenty-six designs reached the Mathsoc Office, most coming in a flurry on Friday. The judging was, of course, totally unbiased (hah!) and the winner received unanimous approval from the judges (all two of us!).

And so (are you ready world?) here, not only are the names of the winners, but the winning T-shirt design as well. WHOOP!

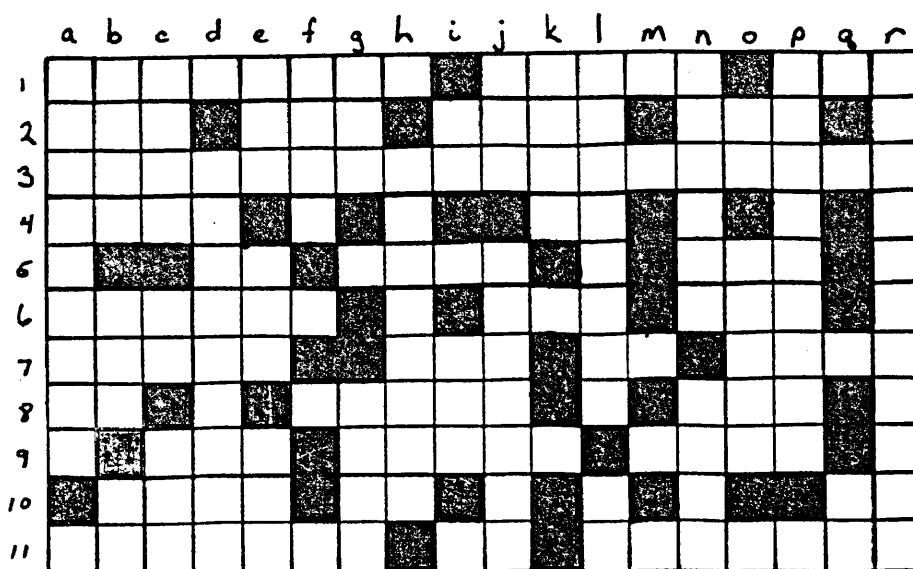
The winners are (da da da dum da dum): Dennis Ablett & Raabe Kemp and their winning design is below.

Marg & Phil

MATH!



UNIVERSITY OF WATERLOO



#RIPWORD#

DOWN



- a 1
b 1 seaweed (Jap.)
b 6 ~
b 10 2b or not 2_
c 1 see 9 h
c 6 teaching assistant
c 9 SAD
d 3 high about the (fr.)
e 1 permutation of raw metal
e 5 permutation of a gentleman
e 7 plead
f 1 hippie mobiles
g 1 ATO
g 8 storage for BrandX

ACROSS

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

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

Last Weeks Solution

AN

APOLOGY

SORRY

FOR

THE

SPELLIN

m.t.

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	P	E	R	P	E	N	D	I	C	U	L	A	R
2	O	X	A	O	X	X	X	S	O	I	X	X	X
3	S	Y	M	M	E	T	R	Y	X	S	N	U	G
4	E	A	Y	X	E	I	R	E	X	H	X	X	X
5	T	A	N	G	E	N	T	S	X	A	T	X	X
6	S	O	X	E	X	A	N	A	X	X	X	X	X
7	S	T	A	T	I	S	T	I	C	I	A	N	X
8	I	T	X	T	O	T	A	L	X	G	X	X	X
9	P	A	M	X	E	X	X	X	X	L	X	X	X
10	C	I	R	C	U	M	F	E	R	E	N	C	E
11	H	I	X	X	X	X	X	A	U	T	X	X	X
12	I	T	O	X	P	O	S	T	M	A	R	X	X
13	S	H	O	X	I	B	I	X	X	X	X	X	X
14	Q	M	I	L	L	D	O	N	E	A	X	X	X
15	U	E	X	I	N	R	U	N	X	X	X	X	X
16	A	C	T	O	R	S	E	K	X	G	X	X	X
17	R	I	X	C	O	N	E	X	X	L	X	X	X
18	E	T	C	S	X	I	N	F	I	N	I	T	E

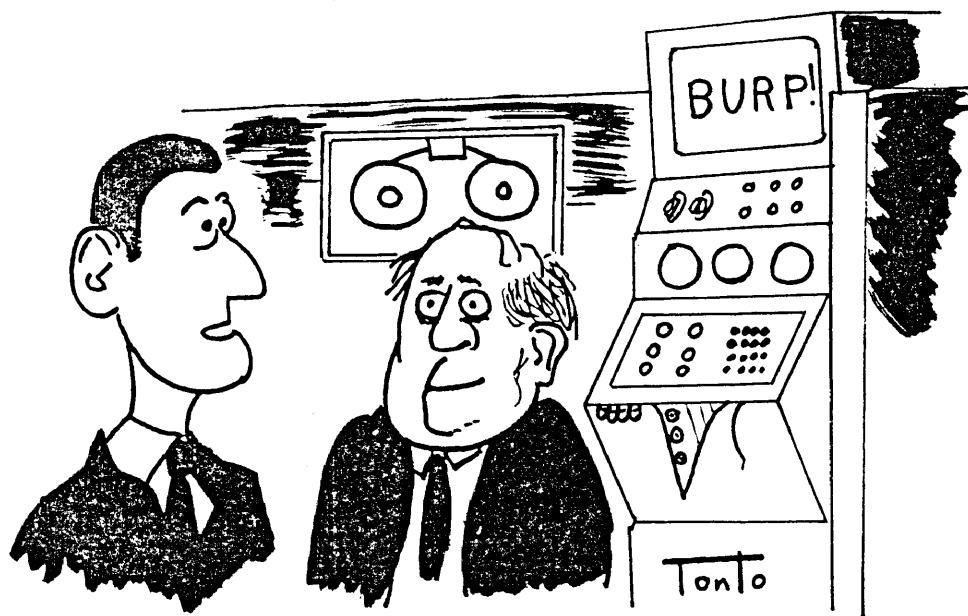
Gridword Comment

Last week's winner of the gridword is William A. Murray. He may pick up his prize from Mathsoc at his convenience. Honorable mentions go out to Janet E. Lagerwerf and B. Woodrow. Remember when you complete the gridword submit it to MATHSOC OFFICE. The winner, the first correct gridword in, gets a math-t-shirt.

Laughy-
nous

En Français

As-tu entendu celle du mathématicien qui se coucha avec une inconnue et se réveilla avec un problème?
LOUIS BOYLE



BY THE WAY, WHAT HAPPENED TO THE LAST PROGRAMMER WHO WORKED HERE ...?...

Math vs. Eng

The difference between the Math and Engineering disciplines is demonstrated by the following problem: A naked man and a naked woman face each other across a room. Each second, they move forward sufficient steps to half the distance between them. Will they meet?

Mathie: They will never meet.

Engineer: They'll meet for all practical purposes.

Engineers Learn a Lesson

Regarding the 21st season of the Stratford Festival, a recent bus load of engineers found there is a definite lesson to be learned from 'The Taming of the Shrew' production.

for your information

$$6 + 7 = 13$$

Right John!
Right Marsha!



it just
doesn't
add up!

BACKFEED:

Letters submitted to mathNEWS c/o Mathsoc for publication will be freely displayed.

23rd theorem WATERLOO IS MY UNIVERSITY; I SHALL NOT PASS. IT MAKETH ME TO LIE DOWN IN THE CAMPUS CENTRE. IT LEADETH ME BESIDE THE POLLUTED WATERS OF LAUREL CREEK; IT DESTROYETH MY SOUL. -EA, THOUGH I WALK THROUGH THE TUNNELS OF THE ARTS QUADRANGLE, I WILL FEAR NO INCOMPLETES; THY MOVIES AND THY PUBS, THEY COMFORT ME. THOU PREPAREST A TIMETABLE BEFORE ME IN THE PRESENCE OF THE COMPUTING CENTRE; THOU LEAVEST ME TO THE WHIMS OF CAMPUS SECURITY. MY OKTOBERFEST STEIN RUNNETH OVER. UPELY THOUGHTS OF WATERLOO SHALL HAUNT ME ALL THE DAYS OF MY LIFE, AND I SHALL DWELL IN THE SHADOW OF THE MATH LOUNGE FOREVER.

classified

God wants his frisbee back, send to Circle K.

For Sale: 1964 Volkswagon station wagon 1500c.c. motor needs some work, has new muffler will sell as is - make an offer 884-8636

Also have: a whistling tea kettle, small barbeque, back issues of Playboy(3yrs), small picnic cooler.

Wanted to buy: woman's bicycle, children's record player, call Sue 884-8636

MOSPORT

We spent two nights and two days of drinking beer, enjoying the warmth provided by that funny, bright, glowing thing that was up in the sky, watching the girls, singing around the campfire, waiting in lineups 50 deep to have a shit, and generally having a good time. The only disappointment was the race itself. The two top contenders were out after two laps. I'd say it was a bit of a drag, but then that was at Niagara.

RESULTS

1. Charlie Kemp - Porsche 917-10 Turbo
2. Harry Wiedmer - Porsche 917-10 Turbo
3. Mike Huss - McLaren M8F Turbo

Anybody wanting a large "rock" contact R0H.

Floyd where did you leave it? On second thought where did we leave off?
Flossie

Flossie
It's drip drying. I don't remember anything after. Ah

Coop Students in the fall term working in Sudbury, looking for a home. Engineers accepted. Write Hans Colyn, 1252 Craiq Dr., Apt. 102, P3A 4K8, Ph 705-560-1479

Wanted: Articles, Gridwords, TWIT, Cartoons, Classifieds, Feedback, all for mathNEWS

Wanted: Funseekers For mathNEWS see YOU Mon, June 25, MC 3011, 7:00pm till we finish Vol. 2 issue #3

GAUSS LIVES

Herman died last night. Anyone interested in attending funeral, Please call 2324, ask for Zelda.

Wanted: one ~~spelling~~ spelling tutor for marsha. mathNEWS staff.

M.T. MUMBLES

If you have any suggestions towards this publication please feel free to do so by letter, article, or carrier pigeon.

mathNEWS - financed by but independent of mathsoc

The end of another mathNEWS... and we did it in record time... we didn't even see the sun in the horizon... Apologies to Dean Forbes for any spelling mistakes but your writting is atrocious from the typist... to the ghoti writers we finished early because you weren't here... Phil practise what you preach... thanks for the coffee, finally, Roger, what no donuts?

Now the end of the page with our list of people... Phil haven't you gotten your article done yet? Robert A.G. White, Bruce Morrison, Don Roy 'mystery quest', 'the plumber', "the phantom", Liz 'still no beer' Luciani, Marsha Tatebe, Randall McDonald, Phil 'that machine hates me' Lanouette, Linda M. MacEwan, John Beraldo, John 'Chester' Higgins, 'Maggie', 'A.&M.'.... as never before we say Good-nite.