## chaos:

## 400 MISSING

After a very woblly start antical quickly went into a decline. Thurs day llarch 20 was very eventful. Multitudinous people who had been working on the antical suddenly decided to quit. This left Peter Lee to again do all the surveying. At 2:30 Peter Lee quit. This caused even more confusion. Out of this chaos rose some sort of order when the mathivills staff took over the survey. Friday, things were organized, classes were surveyed, and everything was just hunkey-dorey. After the initial rusil heln dwindled a bit. As of llonday thines wore running, but not too smoothly!

Un Friday, llarch 21, one prof came into the llathSoc office to complain about antical. He stated several reasons why he did not want his classes to be surveyed. Several years aro, when he requested to survey one of his classes which was held at night he was refused. In another clash with the anticalendar machinery, two surveyors walked into his class unannounced and started to distribute the surveys. lloral of this tale: Once bitten, twice shy (twice bitten, four times shy?) or antical is a no-no in his classes.
llere are a few more anechotes from the untold "history of Antical":
"Talks random comment spled on a survey card "Talks to the blackboard but it rarely answers
-classes which had changed profs were straightened out and after the second period of confusion (Monday) the classes were rescheduled under the original (incorrect) prof.
-a surveyor, who had been plied with horror stories was so afraid that he had a look-out posted while he gave out (got rid of) the questionalres.
-the number of cards for an entire class was one
a sturlent came in twice to be sure that his class was surveyed. He was asked to carry the questionaire nackage down himself. "No, heill fail me", he said, with a look of terror and swiftly departed the office.
-pencils disappeared in direct proportion to the course level.

Here is an account of this year's follies as told by one of the few volunteers:

Antical volunteers (those seeking MathSoc brownie points) were not the only ones unable to find classes to interosate. Faculty did not seem to know where the official records said they were to be. The search was on-- Class $A$


## managing:

## A NEW BIRTH COMING?

meetinthSoc held another of its exciting,
ings on March 25 th in M1S 1056.
The meeting started off with reports from mathNEIS, antical, and the election committee. Peter Lee indicated in his report that there were many problems. He feels that plans should be made to prevent this in the fall. Steve McCabe reported on the elections to be held on March 26 th. He said that there would be "no elections as such" due to all the acclamations, but there would be a poll anyway because of the Smoking Referendum.

The Birth Control Centre made a plea for funding for the coming year (1975/76). Jim langer, (outgoing president), suggested that they "come back in one week when the new council first meets." So with a "thank you", the Birth lintrol people departed until next week (April 1).

Chosen from a field of three candidates, the position of C\&D assistant manager in the fall was Joseph Kok. of the two people competing for Cid manager, Ron Hipfner was selected

In a special announcement Steve licCabe introduced the newly elected president and vice president of Fass 1976-Roger llixon and Janet flyelicandro.

1. The meeting was then adjourned until April 1. The meeting on April 1 in MC 1056 at 4:30 will see the old council depart and the new one arrive (rumour has it that the pink tie will put in an appearance.)


FANG YOU!


The blood donor elinic held last llarch $19 t h$ and 13 th had a yield of forl pints. The next appearance of the blood drainers will be sometirm in duly.
expected at place B taught by Prof C was too
good to be true so it wasn't. It was Prof () and
the class had already been surveyed. With
complete faith in the system we wandered the
halls for nothing better to do but we didn't
come up with anything so we continued with
antical. Because of previous experience we
attacked the same course at a later time only to
find out the section and prof it was afterwards.
Call it a sense for minimizing mistakes, we call
it surprise, the class and prof were supposed to
be there. As the days progressed we caught on
to the stragedy being employed and antical was
being accomplished despite Profs on holidays,
combined classes, switched rooms, cancelled
classes and falsified records. So, if you see a
dazed student up to his ears in manilla
envelopes,
he/she is one of the few running the obstacle
course of antical;
And now here's a few worts from the ex-
Peter Lee, uh, I mean, Peter Lee the ex- antical
person: Due to administrative incompetance -
mine - antical this term will not be a complete
success - $70 \%$ hit rate -- maybe.
I secretly harbour great hostilities agalnst the
Antical questionaire anyways, the present one
that is
problems-

1) schedule- many classes unknown-their existence
that is-cause great confusion
2) volunteer system unreliable-have to be junked
3) I cracked up
BUT!!!
-the basic premise- that students in this place
are intelligent and competent enough to fill out
their questionaires (without baby-sitting, ) is
proven by this.

## MATHEATRE

 is not dead.FREE MOVIES still exist.

## APRIII. (2) <br> CLINT EASTWOOD IN

TWO MULES FOR SISTER SARA. salso Showing EFFECTS of GAMMA RAYS
on MAN IN THE MOON MARIGOLDS. time: STARTS 7:30 P.m. place: me 2066


# heat resistant 

In one of the terminal rooms is the following quote, lifted from a computer publication. "II Cybernetic Frontiers".
"ivaturally, time-sharing, was of no interest to computer manufacturers like IBM since it meant drastically more efficient use of their hardware and they were still a long way from saturating the market with their old technoloty."

Then there's the story of RCA. RCA saw how IBll had a stranglehold on the computer market, so they figured they'd make computers that looked just like IBI's, and then steal IBII customers away from the corporate giant. However, they falled to realize that IBll did not vecome number one by designing superior systems, but by training superior salespeople. This proved to be RCA's demise, because all the customers RCA stole away, IBM stole back with their superior sales force.

The "meep-meep" that everyone has been hearing lately around the Honeywell is not the road runner, but a team of Teleray terminals. The new terminals for the Honeywell are hooked up now. There are eleven terminals right now, in rooms 3065 and 3067 . They are CRT type terminals, which, unlike IBH 2741 rattletrans, are computer terminals that allow you to get useful work done at a reasonable speed. They feature full ASCII (that means upper and lower case letters as well as all the funny characters.) They run at 1200 baud (120 characters a second), and are meant for use by the common people (i.e., not hacks). A couple of hacks tried renouncing their hack status before signing on to one of the new terminals, but they weren't convincing. (lther hacks said that their hack status was too valuable to give 40.

And then there's the structured
orogramer's wedding vows:

## for better or worse <br> until death do us part;

Inother of the many good features of the 'Bun is the way it allows bored users to waste their time. (in most systems, there are only a few commands that let you actively do nothing. For instance, lIYLBUR has the DECIDE command that answers questions that can be answered with a YES or IUO response. On the 5050 , there's a good 'lumber of commands. First, you miritt do a WUSE, and see who's on, and then a LSTAL to see what's in batch, and then maybe a USER, and thon a quick IUUSE * to see who's on that's privilegel. ${ }^{4}$ chis to see what commands are the most monular, and then you could read your mail, and nayoe an ACS to check you resources, and .....

A study of the origin of varlous words reveals that the word "man", which today refers to the male human, in Old English, refers to both sexes. This means that the term "chairman" is not as sexist as some people would have us ielifeve. As Shakespeare said, "Hhat's in a name? $\hat{A}$ rose by any other name would smoll just as sweet." llow, instead of the easy to handle terms, "chairman" and "chairwoman", they want us to try to get our tongues around the terms "chairperson" ${ }^{\text {get }}$ "chalrwoperson".

A felw weeks back, there was an ad in the Chevron for people who wanted to form a native students association. Perhaps the Canadians feel they have become strangers in their own land.
llow the end of the term nears, and poople start getting worrled about exams and assignments that are coming due. In only a few short weeks it'll be all over, and this term will be just like a bad nirhtmare. Poople try to cram into thei $r$ minds everything they should know but don't, only to forget it in a few weeks, while 6050 users with projects due sing the parapirase of the Elton John hit, "Don't let the 'Bun go down on me". Coffee and Donuts has its sale to attempt to ret rid of some of the large profits hauled in by this non profit outfit.

As usual during exams, you will see the odd person leave a three hour exam after one hour. As you struggle to attempt to figure out what's going on, you wonder to yourself: "Are they finished... or are they finished?".

## WARNING

One (1) 3-d jig-saw puzzle (formerly rigid tool)
$2 \zeta$ or best offer
WARHIHG- This instrument is an idol of a perverse class of sub-cratal morons who will take whatever means necessary to reobtain this. There is also the possibity that anyone who posseses this will also become a moron. Indeed, it requires a moron to desire it in the first



## Dear mathHEl:S:

This letter is directed to the people at mathSoc who like to complain about apathy ariongst the students. They are as guilty as anyone else of causins: and raintaining apathy.
Un Wednesday, liarch 2G, there vas a referendum on smoking: in the lounge. I am a fulltime mathie on a workterm here at the university and meanvhile also resistered part tine. I thought that since any decision made by the present student population vould also affect me when I return to classes in the spring and also when $I$ use the lounge now, that I rould register my opinions in the referendum.

But, a certain polltaker <who works on mathHEl:S>, said that since I wasn't registered fulltime this term i couldn't vote. I tried to tell hir: that vorking here and as a part tine studen't I would use the lounge as much as anyone else, but he sald "one vote won't make any difference". Well. I thought that was the just the attitude that mathSoc and mathNEl'S was tryin\& to get rid of, not perfetuate. So much for your fisht asalnst apathy.

Just for the record, I'masainst smot:ing in the lounge or anywhere else for that matter!

C 1: raylor (2b rath)


CLUES ACROSS:
11 JJ'S COLUMN
B3 POOL STICK
B7 WHISKY GRAIH
B12 KIMONO SASH
C1 EST ID
C4 MONUMEITAL
C15 PIERRE TRUDEAU
D1 DEAD ON ARRIVAL
D 5 TIE
D10 FUROPE (ABBR.)
D14 GRATIA (BY TIIE GRACE OF GOD)
E1 MR. ABBOTT
E6 Ch. 13's BIG
E9 STILL
e13 Latviall
F. 3 SAVE

F10 FOLD
G3 EJECT
G8 QUARTERBACI
G11 A LIST OF CORRIGENDA
F8 EQUIVALENT
F12 SUFFIX
G3 TAKE ALOHG
G15 HEAD COVERING
H2 BEFORE
H7 CHESS MOVE
H10 SUFFIX: I!ADE OF
I 4 FLASH GORDON'S FOE: EMPEROR
I6 AFRICAN $\bar{F} \bar{L} \bar{Y}^{-}$
I12 FLORIDA (ADBR.)
$J 5$ RAILVAY
J11 CRYSTALS USED IN MAKING JAl!
. 13 - CAN
K7 POYYAL ONTARIO AFRICAH VIOLETS
K10 AID
L2 OXFORD ENGLISH DICTIONARY
L15 FOUND BESIDE A SPELLIMG MISTAKB
45 LEHGOH×VIDTH
M3 NO ALTERATIONS IUCLUDED: SOLD

114 UV'S GYMNASIUM
N8 SOUTH AMPRICAN INDIAN
113 CLOSESE STAR
03 AGAIIIST
014 COMIC STRIP


CLUES DOWII:
a1 tho regular matilinels features
A3 WASHINGTOU AREA
A 4 PROTRUDE
A5 OUICK PULL
A 8 RUSSIAII NO
A3 PREFIX: HEREDIFY FACTOR
A12 TO RAIH MARD
A13 OBSOLETE (ABBR.)
A14 RHODE ISLAllD
A16 SEMIOPAOU:
C2 I OVF YOU
C6 TO MAKE IUTO LAV'
C10 PROFOUIID
C11 ELECTRICAL RECEPTICAL
C15 FOIIDLE
D3 EPIUEPHRINF.
D14 SEPARATIOIV
E 4 DEMOCRAT (AERR.)
E13 MALE GIVEH NAME
F5 TRANSGRESSION'
H1 RANGE OF VISICI?
II TUBT FOR MEASIUG LIOUIDS
II 13 CH .13 HENS PROGRAM
I1 15.4 GRAINS
IG SOUL
I14 _ PĪĀ̄̄ORE
J1 V̄̄̃TIGES
J 8 HATURAL LOGARITHM
J11 BIVALVE MOLLUSK:
Y3 IUSIDE
K. 9 LUBPICATE

L1 COI? OF SOUTH VIETVAM
L6 CH. 7'S COMMANDER _-
L10 ZUPFIX
L13 HUGF NEL SEEREO RADIO
M1 TIIY
M5 ACETYLSALICILIC ACID
U9 LOVETE FFHALE VOICE
1114 DEAD IIEAT
II OVRRDRA:'H (ATHR.)
II 4 FOREAIGIT:
\#15 COMMUNISH WO!!
O3 - VICTIA: VOF TO THE VAMOUFATED
08 PIIIF:
O12 JENYJNT USRD TO RE ORE
P1 MATHEMATICIAU RTHE: $: I S$ SUR!!ARE AND NATIONALITY
GRIDINORD COMMENT
Hello, Grid fans and welcome to another
 fo auo u! पдeap of saxoyว oum uew ayt yse finc




 try and get it. $\qquad$


This Grid's Prizes: $2 T$-shirts
(due: April 8)



A REAL BARGAIN!! FULLY FURNI SHED ROOM IH HOUSE. COUGEIIAL HOUSE-HATES AND USE OF KITCHEII AND LIVIHG ROOH. TWO BATHRGOHS. GHLY S50 A MONTH -may to sept contact jamchullain via mail
HOTTRCYCLE FOR SALE! 1953 Honda CD175. 12840 miles. Excellent condition. गew last year: battery, headlight. Colubman bars. Extras (new last year): non-standard chrome front fender : black rear fender, megaphone mufflers, for, lights (uninstalled) lletal-flake midnigh't blue. Two helmets. size 7 1/4, with clear a blue visors. Clymer malntenance manual. $\$ 500$. $884-4677$.
HA:ITED: Apartment and possibly roomates in Hontreal area. Call Steve at $834-6239$

Found: Gold Plated "Parker 75" pen in the Book Store on mar. 25 Claim it by reproducins. the chinese inscription in Mathsoc office. (1103033)

## to sublet--

Une bedroom Apt. Hay to August 31st. 5125. Close to university. Phone: 743-3374

FOR SAI.E: ? 'GG MGB's. call Steve at $884-5239$
muving sale ! Chesterfield and chair set, \$150. Executive style desk, si75. Vasher/suin dryer. $0!00$. 12 string electric guitar, $900.9 \times 12$ rug and runner, iso. Stamp collection. And many more iteris! Phone $384-4677$.

To all graduating llath students: If you would be interested in OKTOBERFEST tickets for Saturday Oct. 18,1975 (probably at the foncordia (lub) nlease contact one of the following neople:

Paul Barsevskis 573-7347
Rick Beevers 578-7949
Jim Cole 335-0463 or leave a message in the liathsoc office.

## SUBSCRIPTION

For a mere $\$ 1.00$ you can be kept up to date about the on-campus happenings this summer. For your dollar you get 6 or 7 Issues of mathNEWS and an opportunity to compete in the gridword (since mathinews is every other week. in the summer.)

To subscribe for the summer you can a)go to MC 3038, (mathSoc office) and say that you want a subscription to mathNEWS. There will probably be someone there who will relieve you of your money and name and work term address. b) mall us your name, address and money to mathiNEIVS, MPC 3038. University of Waterloo, Waterloo (be sure to spell mathisews correctly).

So far we have 15 people who will be getting a plain brown envelope a few days after each new. issue of mathinelvs hits the stands.

NOTE: Thls offer vold where prohibited by postal strikes.

## gabble- gobble- get

Un Tuesday, March 25 this term's lene Descartes evening, was held and the topic was "HOH VE WOH THE PUTIMAI". It is reliably reported that until it was announced that we hat won, the Descartes Foundation was des:arate for a topic for their seri-annual Fvening. According to Prof K.l. Fryer, who opened tho festivitles, this was either the 1 ?th or the 10th senitannual Descartes evening.

Perhaps the inablitty of the winning team to appear at Faculty Council and be introlucnd contributed to the spirit of the evoning, as almost as many profs attended as lescartas scholars.

Prof. ll. Klamkin then save a brinf historv of the Pitnam connetition. This was follound iy an introduction of Grant Roberts (who placel in che top five) and the winnlag teari mombers: ril Sovorn, Steve Locke, and Richard Anstee.

Each of these celebrities did a problen from the Putnam Contest.
liveryone then dasiled off to robble down the free food.

According to mr weller it is now $54: 26$ tuesday time...so to qoute someone else ARRRGHHH!!:! this is masthead "A"....it got started after B surcumed (have a nice sleep DON)....arrived in the terminal room just after midnite thurs to find a late gridword by bhudson...a piece of feedback which ityped up \& put in...sorry steve your article got bumped...also the smoking results were safely locked behind mathSoc doors...but $i$ got them anyways....the honey of a bun took a couple of lunchbreaks...too many terminals???... 37 users at midnite:!!
a brief account of the happennings to get this thing together....i can't remember...I don't want to remember: : :
We would like to thank everyone who has made a contribution towards the outputs of mathNEWS this term. Special mention goes to graphic services who managed to put things out on time despite the best efforts of this terms editor(me).
This issue of (5)(5)pages full of filler and little else(yes mathSoc has ye rigid tool) was put together on tuesday, wednesday, thursday\&..... We had pizza as food of the week....NEVER AGAIN....subs, kaisers, donuts maybe but pizza NEVERMORE....special thanks to earl who kept the peace....despite efforts of some mathnoose people....to judy for the consol ribbon...our articles are in red\&black... INTERRUPT NTERRUPT janice shaver thinks mathnEWS is sexist \& wishes to put in a rebutal....the problems that come from typing this in the mathSoc office..... sea, oss os Gatecte kath, -x (pink timd),
We were: AC PALIDWOR (escapee 非00069) ; MP DILLON(gunslinger); RANDALL fangS MCDOUGALL; PAUL LEAR who was gmapped away; knowman who really is TEaaggh; KATHY E WILSON; GARY god DRYDEN; RON HIPFNER an early leaver; PETER RAYNHAM subeditor; STEVE Last issue RISTO; for the last time in this form INGRID namechanger SPLETTSTOESSER; the autotoms which saw the sun rise were GARY cracked PRUDENCE; THOMAS a Front pager WELLER; DON masterb HALL; and the late DENNIS MULLIN. sfill $\underbrace{}_{\text {Thank you all for your support this term see you next term }}$

1asthn.aif "C"

hriart aftner than cirr-
vourirs loft--
Revi,arel
Inlu that tha zertic.7lontar surum, $i$. nver--T. can ravent tn mu \|silal cmori. self.
tn vathy-x:
1.1anna !uッ? rint

Tie?s2.5n?
 finishef it grepr
(cont'd from page $\Sigma$ )
In 1956 Rod studied at this institution and became a distinguished honour student. After starting out in Physics he wound up graduating with a B.Math-Physics in 1969.
After graduation he became manager of Operations in the computing centre. In December 1970 he returned to do some Masters work and received his first lecturing appointment. In 1971 he received his current position and went to school part time and received his M.Math in May 1972.

Rod Cooper is single (hint) and is presently in Village 1 (s4208) where he spent many a rowdy day as an undergrad. He is considering working on a doctorate and is now lecturing in 11-132A.

In his computing experience Cooper has dealt with WATBOL, WATIAC, WATMAP, and PDP software. He is co-author of two books with his accomplices Wes Graham and Paul Dirksen. Rod has carried on research into compiler writing and teaching methods. He believes in using computers for practical things like data processing. He does not believe that the computer is God.
Rod feels that universities have passed the day when their sole purpose was to lure people into resources. He believes students attend university to obtain better training in order to secure employment in the business world. University should teach a person how to be disciplined, organized and how to think. Rod is a firm believer in this and tries to teach his students how to learn a language instead of a computer language itself. It is felt by Cooper that exams are useful and teach one to work well under pressure, but said that they should only count about 25\%. This is because we are rarely constralned by 3 hour limits in real life. As a student Rod belleved students are adults and have responsibility and the lecturer should realize this and help students get the experience they need. He feels faculty should say what goes into courses but feels student input is needed. Teaching methods are important as Cooper believes teaching is the most important aspect of learning. A good professor is one who teaches a person how to approach a problem and is willing to listen to people about new methods. An example is when Wes Graham ate the output when a program would not work. Rod fears that the University of laterloo is in danger of growing "dangerously large". However he feels that so far despite its size Vaterloo remains personal. He does not want to deny anyone capable admittance if in the university's competition for dollars goals may be forgotten.

This place has a number of good points. Rod feels our computers are mighty fine, now that last year's situation was corrected. We are lucky to have two fine systems and Rod feels that the Honeywell vs IBM battle is just petty and compares it to the english-french problem in Canada. Rod likes university and feels that the program in Math exemplifies this. He feels Math has the advantage of belng able to change. Cooper defends his much-derided assembler program Vatiac as a good teacher. Outside the classroom Rod is quite a sports fan. Unfortunately he is an Argo fan and has not gotten much joy out of Canadian football. Rod also follows the warriors in Canadian college basketball. At least he is half right. Besides sports Cooper follows llath contests (he calls them fun). As a student he wrote many of them. He helped sponsor the Euler and Special $K$ contests with Murray Klamtin and works with the Junior and Senior liath contest. As a rookie coach Rod led the underdog Vaterloo Special k's to victory in the highly regarded Putnam International competition. One of his excellent students Ed Severn called him a "great pal". Rod also founded the Euler Soclety but denies any knowledge of the Gauss Foundation. Rod misses the early days at Naterloo when he was a chevron reporter and the classes were small and people lined up at 6 am for FASS tickets. Rod felt in those days one knew more people. Over the years Rod made many frlends. He is highly regarded by his students and such people as illustrious former mathilelis editor Randalls. McDougall. In conclusion I agree wholeheartedly that Rod is a great professor and a great friend to many.

## SMOKING RESULTS

On March 26 a referendum was held(to the surpise of some people). A total of 279 people voted( $14.5 \%$ of on-campus mathies).

The policy of non-smoking on the C\&D side of the math lounge should be continued and made official.
YES $233(83.5 \%$ ) NO $43(15.4 \%)$ SPOILED $3(1.1 \%)$
A mallout vote for off-campus students was not held. The intent(?) of this referendum is to indicate to the mathSoc councll what action should be taken.

Welcome to masthead "b". Here it is 7:00 already and we have yet to finish the rain article. lie've been working on it since 4 arl. The bis decision is in, there is yet another paragraph to correct. AAAARRRRGGGGGHHHBHHPH:!!!!!!!!!!!!!! Arong some of the rore exciting things that happened tonight were two attempts to kill mathNEl'S, indirectly. The main attact ves on Kathy-x by a mathlills "columnist" and mathiNEl'S got caught up in the resulting tidal wave. I propised kathy the is supposed tote print her telephone nurber but...um.....vell, raybe I von't and besides, she is supposed to be getting a brand new chain sav: next week.
JJ left at 5 but he threatened to return.
He have finished the term the same way as we started, tired. Afain this week as in the first and second issues we were watched over by Grover, Oscar, Sherlock Henlock. Eert. Ernle, and Cookle lonster. Even a miniature version of Pinkle was present. Inltially, the minl-plntile hunf. fron the celling but later it had a setting that was $X$-actly right!
a gossip item---the Gauss Lives Society will return TliE Pinkle or face prosecution
here is a question. If you can answer it then consider yourself a first class
was the Phoebe Snow who was assoclated with a Buffalo area rallway company? master of trivia. Who
We broke into separate hunting parties to chase the 'bun at 8:00am. It connuered "R" party at 8:00 p.m. (weds)

