



Friday, June 20, 1975.
ISSUE 8.4

math NEWS

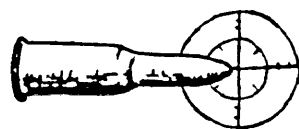
AUNTIE CALENDAR wants you!

As many of you obviously don't know (or don't care), there was an Antical organizational meeting Monday evening at 7:30 in MC3011. I say obviously because there were four people, including myself, in attendance (five if you count the Chevron reporter, Michael Gordon, who showed up to do a photo feature on us).

At this meeting, I had hoped to find enough support from the 735 mathies on campus this summer to subdivide the work involved in producing the Antical into easily organizable areas. This way we could have one or two people responsible for each area, with other volunteers helping out with the actual work: things get done and no one person is burdened with trying to get everything done. But four people aren't even enough to cover the areas, much less have extra people to help with the work!

So much for the past. If you've looked at a bulletin board in the building you've aware that another meeting has been called for Monday, June 23, 7:30 p.m. in MC3011. At this meeting I hope to get things organized plus get some of the initial work done. But, it can't be done without your help.

Phil Lanouette
Antical/75 Coordinator



Summer directories are now available in the Mathsoc office. Find out where you live!

Deadline for dropping courses is June 30th.
Don't get caught in the end of term rush!



CHANGE FROM FUNNY MONEY?



If you were around a few years ago you will remember that to run a job on debug required only a \$JMS card with your name -- usage was open to anyone. After a while, those pretty \$ACC cards appeared, which meant you had to know a course and student number to run any jobs. Finally on May 1st of last year "real" money came along; now one required a real account number along with a legitimate student number of someone registered in the course. Along with this all public accounts were deleted, and all around access tightened up.

Among all this mayhem, the 'pun stood silent. Accounts were easy to get and many interesting things could be done on it. This state of affairs had to end. Recently MFCF has started sending bills out to profs for resources used; however, it is still funny money. Can the end of free computing be in sight? One hopes not. Much computing exploration either has been done without any specific end in mind or has not been in "legitimate" areas. Limiting access to the computing facilities can only cause stagnation in this area and make Waterloo fall behind its reputation as a leader.

Furthermore a false picture of Univat is being painted externally. Anybody coming to a computer science day would get the impression that it is simple to get on the computer, and that once one is on, all is fun and games. Nothing could be further from the truth. Once one can get an account on the 360 it must only be used for serious work -- well within predefined limits. There must be a lot of disappointed first-year students around!

Maybe the days of free-and-easy computing are over, but this shouldn't mean that the computing power should be kept under lock and key to be used by the select few. There is a place for computing undirected to any specific course or project. This need should be recognised and appropriate measures taken before computing at Waterloo gets totally boring.

theGramm-Smith Orthonormalized

heat resistant

BURLOAF

Last week, you may have noticed a swarm of people that looked like high-schoolers. That was because they were. They were the winners of the Junior Math Contest, sponsored by the Faculty of Mathematics. Each year, hundreds of high school people in grades 9, 10 and 11 write a test, and then the top 50 or so are brought to the campus and given a good time. They get to stay at St. Pauls, and during the day, various activities are organized for them, including such things as trips to the Shakespearian festival. Often though, some of them get right to work on the computers long into the night, often reluctant to get back to the residence by 10:15 P.M. Arriving after 10:15 means you miss out on the late night snack.

The JMC'ers were allowed to fool around on the Math Faculty Computing Fallacy on their stay here (in previous years, they got to use 360 APL). The sort of novice programming being carried out by these people was shown by a glance at some of their files (under userid JMC, what else?). There were such things as APL workspaces, prime number generators (these were quite popular) and the source for the QED text editor (some people learn fast).

As usual, I imagine the Math Faculty gave their usual hard sell. While here, they are given the impression that computing resources are available, free and easy, for anything you want. Only when they pay their tuition fees and arrive in September a few years later do they discover it's not the land of milk and honey they were told it was. However, I guess if I was someone upstairs concerned with things important to a University (namely, \$\$\$), I would probably do my best the sell these future BIU's on this place.

This week we have a problem for all you Fortran people. So you thought Fortran was unambiguous. Then, tell me, what does the following Fortran statement do:

```
12 FORMAT(X6H)=II(5)
```

Is it an assignment statement, setting the value of FORMAT, subscripted by the variable X6H, to the value contained in the 5th element of II, or is it a format statement, which when printed, gives a space followed by the hollerith string ")=II(5"?

It might be interesting to note, that although Fortran has no reserved words, according to the definition of the language, in WATFIV, there is one reserved word, "FORMAT(" (the open bracket is a part of the word).

There's a new LOGIN program active on the 'Bun. It's new features include the way it tells you the day of the week, not just the date, when logging on, and gives you three tries, not just two, at getting your password right before throwing you off the system. Following a recent increase in paranoia upstairs, the new login also makes you change your password if it gets stale. The more privileged you are, the more often you must

change it. Also, you are forced to change it the first time you log on just after you get your new userid.

Last week, we started a new feature, presenting an integer for the week, where each week we would present an integer, chosen after much consideration, that we felt would be useful. This week we present the 10000th term of the fibonacci series. As you know, the fibonacci series starts off as 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, ... with each term being the sum of the previous two. Here it is, our INTEGER_OF_THE_WEEK, the 10000th term of the fibonacci series:

| | | | |
|------------|------------|------------|------------|
| 2079360823 | 7133498072 | 1126489886 | 4283682508 |
| 7036094015 | 9031196829 | 4586652850 | 1423455686 |
| 6489274560 | 3430522651 | 5591757343 | 2971901580 |
| 1062479426 | 7250973176 | 1338101799 | 0273803823 |
| 1789748346 | 2355564831 | 9143159192 | 4532394420 |
| 0280678103 | 2040872441 | 4693462849 | 0626683870 |
| 8330804825 | 0920654493 | 3408787332 | 2637758084 |
| 7446324873 | 7976037347 | 9464825811 | 3858631550 |
| 4040810172 | 6038120291 | 9943892370 | 9428526016 |
| 4739821355 | 4479081823 | 5937154295 | 6694514931 |
| 2993664846 | 7790904377 | 9928477367 | 5379284270 |
| 6601751346 | 6483326637 | 7698642012 | 1068913557 |
| 9114187277 | 6934080803 | 5049567940 | 9464829288 |
| 0566056364 | 7181876626 | 6897075853 | 7383352677 |
| 4208355741 | 5594565854 | 2003634765 | 3245410061 |
| 2101244678 | 5689171494 | 8032624086 | 0269309121 |
| 1601973938 | 2294466360 | 4990153196 | 3286159699 |
| 0778804277 | 2028923553 | 9329671877 | 1829156434 |
| 1907918652 | 5118678856 | 8216008975 | 2017107049 |
| 9437657067 | 3424008710 | 8390881180 | 0976259727 |
| 4318205395 | 5425686946 | 0815355918 | 4582533982 |
| 3438236043 | 5762759823 | 1798961167 | 4842426954 |
| 5924633204 | 6141379928 | 5081435201 | 8738480923 |
| 5815539889 | 9089715146 | 9406131695 | 6144977837 |
| 2074346137 | 3756218685 | 1068568260 | 9069633981 |
| 5490921253 | 7145372418 | 6691160425 | 0597353747 |
| 8237332681 | 7818219850 | 9240226955 | 8264160166 |
| 9008474981 | 6072843582 | 4886131848 | 2990538315 |
| 0180047844 | 3537515542 | 0157383310 | 5521980998 |
| 1238332532 | 6122868982 | 4051777846 | 5884610797 |
| 9080782836 | 7132384798 | 4517940110 | 7656905752 |
| 2158680378 | 9615321608 | 5838722388 | 2974380483 |
| 9319295412 | 2210080031 | 3580688585 | 0025988795 |
| 6646322142 | 7820448492 | 5650731065 | 9580883740 |
| 1648996423 | 5633861097 | 8204563412 | 2467872921 |
| 8456064091 | 7436063561 | 8216883812 | 5623216644 |
| 4282295253 | 7577492715 | 3653211342 | 0453068674 |
| 2435454505 | 1032697681 | 4437011849 | 4906390254 |
| 9349423589 | 0403150987 | 7369722437 | 0533831653 |
| 6038859511 | 6980245927 | 9352259015 | 3763492565 |
| 4872380877 | 1830083010 | 7456944400 | 2426436414 |
| 7569050945 | 3507280476 | 4684492105 | 6800247399 |
| 1449055590 | 4391369218 | 6963870929 | 1818924615 |
| 7103450387 | 0502293006 | 0324161141 | 0707453960 |
| 0801709282 | 7795183476 | 3216705242 | 4858208014 |
| 2386652663 | 3816082921 | 4428830954 | 6325908047 |
| 1819329201 | 7101478280 | 2522138565 | 6340207489 |
| 7963176632 | 7887220760 | 7791034431 | 7001127535 |
| 5881347888 | 8727503825 | 3890668230 | 9868335569 |
| 5718137867 | 8829821117 | 1079642270 | 6778536913 |
| 1923427333 | 6455672792 | 8018953989 | 1531060473 |
| 7974128079 | 4091639429 | 9087966502 | 9460353665 |
| 1238230626 | | | |

Be watching next week, when we bring you another important and useful integer.

It has been said that a Hack is someone with a good knowledge of Number Theory, but who is unable to balance his checkbook.

Hacks are not without problems. Hacks have a hard time getting groceries so they can eat, because everything is closed whenever they want to get something. Someone has suggested that a Hack's Milk open up, which would be just like any other milk store, except it would be open from 11 P.M. to 11 A.M.

math



This weeks mathSOC meeting moved along as usual, this time not even getting to reports before a ten minute discussion ensued. This time Cal Barrett didn't want the minutes to note that he had volunteered. It was voted to agree that Cal would not volunteer for anything.

Social Director reports that the Golf Tourney was well received (see elsewhere) and there might be another in July. (At about this time Cal stated "Here I am", but this was rescinded.) The N-gineers are holding their Semi-formal on July 12th.

The report of the Faculty Curriculum Committee notes that the committee has been adjourned 'till September. However there are plans to create a non-specialist honours programme, and revise the 1st and 2nd year courses.

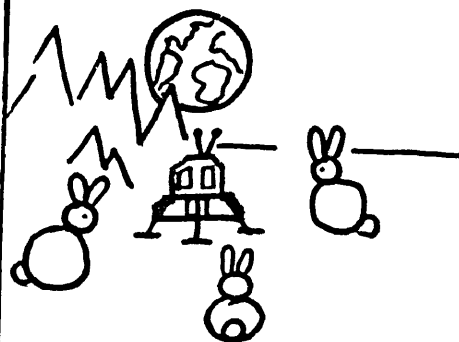
Antical reports that there were 4 people and a Chevron reporter at their last meeting. There will be another meeting Monday and if the turnout isn't better we may not have an Antical this time.

For Orientation, the Feds will run a lottery in September, winner gets a year's free tuition.

The only business at the meeting was JLong's notice that there will be a revised interpretation of the constitution on the controversial "voting rights of off-term members" available next week to be discussed next meeting.

There was a vote to adjourn : 1 for, 1 against, 5 abstaining. The chair decided to break the tie in favour of adjournment, so that we couldn't have a roll call vote. Oh well.

I think next meeting is not on Dominion Day so I don't know when it is.



Q: Why does a bunny have a short tail?

A: So it won't get caught in subway doors.

Q: What's the similarity between a plum and a bunny?

A: They're both purple, except for the bunny.

Q: How do you catch a bunny?

A: Hide in the grass, and make a noise like a carrot.

●-BALL G L O R Y

Dubious weather conditions tried to dampen the spirits of 62 of Maths finest who arrived at Foxwood Golf Club last Friday (the 13th. no less, can we blame the scores on fate?) to participate in the ancient Scottish rite of McGolf. I doubt if St. Andrew could have produced a finer turnout...

It was a slow start with Karan the Digger shooting 24 on the first hole, for which I dedicate the 'gopher hole renovations award'. The last I heard, she was expected to make the 18th. by Sunday.

The weather cleared up by the back nine and the last foursome wasn't too late in getting started. All told, 6639 strokes were played (no kidding) for which we ended up 2237 strokes over par. Next time, someone else can spend their weekend adding up all the scores...

Prize winners for the day are Jim Webb for closest to the pin on the 14th. (sorry Dave!); Jim Webb, John Booth, Bill Simpson, and Mary Jane Chinery for low gross; Werner Schmidt and Ginny Alston for low net; and Sue Heelin (from Brock U.) for patience, courage, beauty and honesty with high gross of 229. Prizes are a free record album from the Co-op Record Store. Drop in to Mathsoc and pick up a voucher if you haven't allready. The scores for all entries are posted on the math lounge windows.

Thanks to Rose for looking after registration and helping to double check the score cards. A special mention to the Binder boys 'don't drink and drive' (or putt or chip either), they don't work. And finally to my own foursome which started out fifth and finished with the first foursome, next time let's just go straight to the 19th.

Andy Elliott

CSC LECTURES

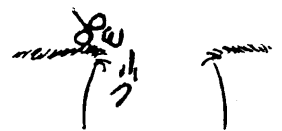
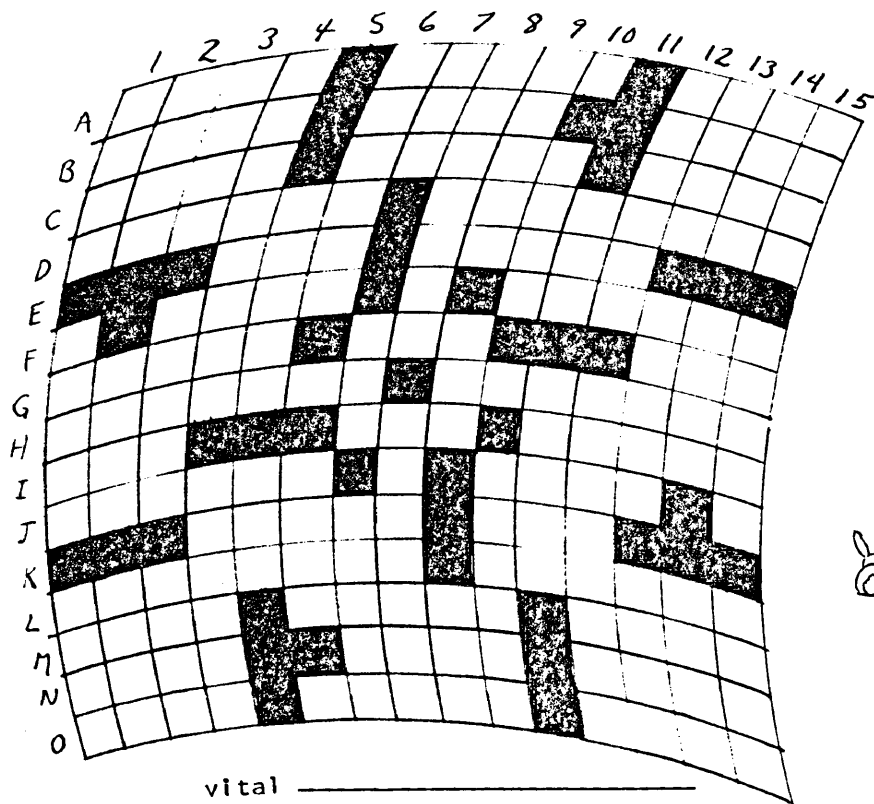


I see the Computer Science Club has continued their series of lectures on CSC into its second week, and they were rewarded with a much larger turnout than expected - in all, they had four people attend the meeting to the end. Since this university has a reputation (at least inside its own walls) of being in the forefront of computer learning, it is somewhat surprising that more people are not interested. Considering that people are invariably complaining about not having any opportunity to learn about the available software both on the Computing Centre machines and the MFCF computer, one might be tempted to think that the average U. of W. matric is almost totally hot air and and little spunk. As we all know, this is not QUITE the case...

Getting back to the above lectures which started me off on this tirade: The first lecture, considering the amount of forewarning most people had of its time and place, had a reasonable turnout. The second lecture had ample warning of its existence given to the general public (and n-gineers). People at the first meeting were explicitly told where and when it would be held, and this was further reinforced by posters giving a week's notice of it. And the result is noted above. Apathy reigns supreme.

Turning to somewhat lighter matters, I see that Canteen of Canada has solemnly pledged that they will NOT raise prices until 1976, at the earliest. This probably means that come September, we will have a rerun of them switching 8 oz. milk containers for 10 oz. - without raising prices, naturally.

Ludwig von Zopfault.

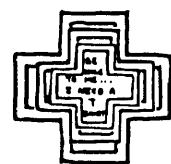


- a1 a bird's toe
- a2 Rome (latin)
- a3 zuc _____s
- a4 practling
- a5 wisely
- a7 over regulatory legislation
- a8 transferring
- a9 of ravies
- a12 a Caucasoid African
- a13 jewel
- a14 nerve network
- a15 a scottish lake
- c10 one group
- d5 curved glass
- d11 fuss
- f1 loaded
- f3 the usual manner
- f13 'soars' -deranged
- f14 by mouth
- f15 earthy
- g2 ltalian money
- g7 at your command
- g9 aged
- n11 earth
- n12 lessons
- l8 remote chance
- j4 a footnote
- j5 no longer available
- j6 clothing
- j10 device
- k7 peel
- l1 fish fork
- l2 _____ facto
- l3 almost near
- l13 a type of cotton
- l14 ireland
- l15 grade
- m9 not a noun

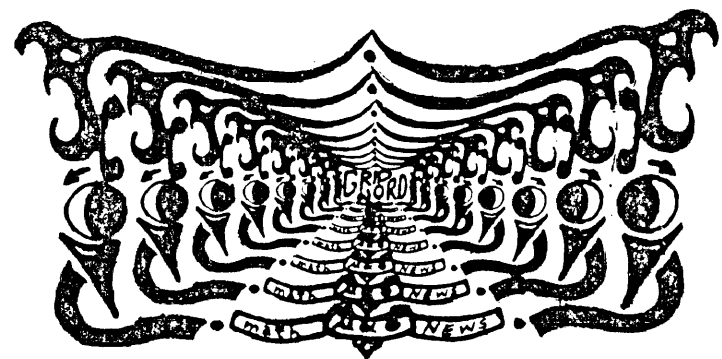
vital _____

statistics _____

across



- a1 complain
- a5 extremely thirsty
- a12 enu of John 3:4 (rsv)
- a1 laze about
- a5 territory
- b12 foil
- c1 one extinct bird
- c6 a plot of land (latin)
- c12 rodents
- d1 a simple song
- d3 cripples
- e4 10 declives
- e8 chilled e
- f3 diminutive
- f10 bodies
- g1 vales
- g7 earlier that now
- g13 moutns
- h1 full of ginger
- n9 to the side
- l1 the singular of ERDS
- i7 fish
- l11 to lift up
- j1 chancing
- j10 generally regarded as safe
- k4 lasu out
- k10 an appendage
- l1 an excellent faculty
- l10 stylisu
- m1 opposite the editorials
- m5 fetch uack
- m12 turkish money
- n1 islet
- n7 kin -suffix
- n12 issue
- o1 average
- o6 exhausted
- o12 nealthy

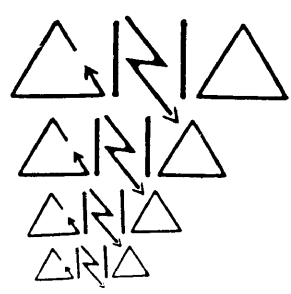


fibonacci's nightmare



Last Answer ?

Issue's



| | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N | A | M | E | R | I | C | A | L | A | N | A | L | Y | S | I | |
| 2 | E | V | A | M | E | L | B | A | R | T | E | N | A | N | T | | |
| 3 | N | A | N | T | L | C | U | W | A | Y | V | C | I | E | N | | |
| 4 | T | B | | | R | E | A | L | B | E | S | E | T | | | | |
| 5 | C | L | C | | G | R | E | D | I | R | C | N | | | | | |
| 6 | N | E | T | | C | A | N | A | D | A | R | E | C | C | | | |
| 7 | | | | | H | E | L | L | N | | G | E | S | T | A | L | I |
| 8 | C | A | M | E | O | | C | T | O | E | P | | | | | | |
| 9 | I | D | C | L | S | | T | H | E | A | T | R | I | C | | | |
| 10 | A | L | T | | E | X | T | R | A | N | T | I | R | T | I | C | I |
| 11 | D | U | D | E | D | | C | R | I | K | O | N | C | R | M | I | C |

MATHLETICS



JJBT WINS AGAIN



?

The battle is over, and as the clouds of dust roll away, there can be no doubt as to the victor. Joe's Japanese Baseball Team, lead by fearsome captain Owen "Catfish" Liebman (a legend in his own lunchtime) are now monotone increasing in their march to dominance in all professional, amateur, olympic, and non-existent sports. As Owen says, "Nothing is more serious than J.J.B.T."; and the membership of J.J.B.T. do take nothing very seriously.

The winning streak which finished off (sic) the season for J.J.B.T. began with the aforementioned duel of titans: Screen Gems vs. J.J.B.T. Truly a battle of baseball wizardry, the game went thus: Many runs were run (ran?), many errors were made (mud?), and many injuries were sustained. The winning play will go down in summer 75 league B softball history: valiant J.J.B.T. captain and his cunning though stumbling sometimes tunnelling ten metre slide into 1 under homeplate. The many collisions and the resultant injuries, both physical and metaphysical were overwhelming but all the brave and stalwart players survived and remain contiguous, coherent, continuous, differentiable and symmetric to this day.

The final game score was: 6 - 23. Since, however the game was played on the first day of the week, and since the dwarf kings (in their halls of stone) were given seven rings; the significant score was the result modulo seven. This gave the J.J.B.T. a precedented 6 - 2 victory. Should anyone object to this background theory of this win, be advised that arguing with the J.J.B.T. captain is like arguing with his optimization prof.

So, as playoff hopes are now confirmed, new vistas open for Joe's Japanese Baseball team. Enquiries have been made with the WFL, IHL, WHA, NASA, AFL-CIO, CIA, KGB, RUB, MVT, ITT, BBC, ETC. Soon the entire world, maybe even the entire math building will know and fear the sign of the rising softball (with rays). The team motto: "In harmony with losing" i.e. "Concordia cum Perdiendo" will bring pictures of rampant cookie monsters on fields on butterflies into many a tearful eye.

Q: Why don't many bunnies go to the University of Waterloo?

A: Because they don't finish high school.

snack, cackle, plop

GRID COMMENT

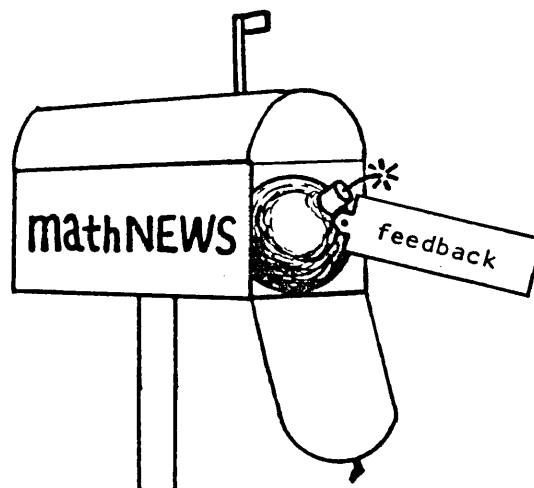


Last issues gridword submissions produced an astonishing response and prompted someone to ask 'does anyone learn anything from classes on Friday?'. Of 38 submitted, of which 6 were from out of town (mail does move sometimes) 26 were correct and 12 went straight into the garbage.

As entertaining as the gridword answers were the responses to Name, Rank and Cereal #. Most of you got your names right we presume, Cereal # drew: trix, Post, Wheetabix, _Special k, Shreddies, 19, Kelloggs and 73,181,804.

Rank did no better: Quack, on top, second order, extremely, NCO, yes, amateur gynaecologist, treasurer, Captain JJBT, general (3 stars) on leave, General (with cereal # Post), not very!!!, No I use speed stick, Subscriber 1st class and Yes, we are.

This week's winner is Peter Wettlaufer. And to Doug Brown, of the 4 you submitted 3 were wrong - turkey !! He was the most prolific entrant by a slim margin. Runners-up had 3 and 2 solutions apiece. By the way, the entrant whose cereal was trix was Charlie J. Rabbit and he says he is extremely rank. (Boff take note!)



MathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but if requested, a pen name will be used. Put your Feedback article in our mailbox on the 3rd floor outside the lounge, or mail it to us on the 'Bun (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

mathNEWS: Just a note (♪) to let yawl no I yam still alive and bennyfiting frum and Ontriyo edification. Pulease lett me win a T-shirt or I will kidnapp Boff and send him to a pregnancy tester.

4□ly yours

(name withheld at editors request)

alias Chevalier Mal Fet, the Blue Angel, Knowman, Ludwig von B., Napoleon, Goethe, the usual gang of Idiot.

p.s. you want 5 pages of humourous stories? cheap? I can get them 4 U.

MATHSOC - ENGSOC

BOARD OF ENTERTAINMENT

BEACH PARTY 
& CONCERT



Sunday July 6th (starts at 1pm)

COLUMBIA FIELD

LIVE ENTERTAINMENT FROM 3-7:30PM FEATURING:

"the Saltspring Rainbow Band"

"427"

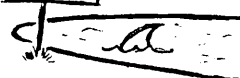
"the Garfield Band"  

FIELD EVENTS - BARBECUE AND REFRESHMENTS

free admission



SWIM AT
YOUR OWN
RISK!



UNCLASSIFIED

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&C 3038, or send them in the mail subsystem on the 'Bun to userld mathNEWS.

A belated Happy Birthday Earl - mathNEWS

To the dairy farmer.....
HAPPY 21st BIRTHDAY, from all us 'Heferds' at MARSHDEAN FARMS.

For Sale

Hohner Contessa Guitar. Good Condition. Excellent Sound. Call Dave 884-9059

CAR RALLY - The Waterloo Wellington CA Student Association and the University of Waterloo CA students are holding a Novice Car Rally Thursday July 3rd 1975. EVERYONE WELCOME!! no experience required. Come out and have some fun. REGISTRATION 6-7pm JULY 3rd at the starting location.

STARTING LOCATION - Seagram Parking lot (off Seagram Dr.)

DRIVERS MEETING 7.00pm.

MISC. - 1st car out at 7:30PM duration about 2 hours, 60-70 miles. 30 car limit.

COST CA students (at least one per team) - \$2.00 per car, others \$2.50 per car.

For Information call GERRY OUE 576-5369

To ACDC: What are the names of the Dauphin families to whom you are related. Reply via mathNEWS. Box # 0.

Wanted: Navigator for upcoming CA car Rally. Mail PCCHYNOWETH, or phone 885-2797.

Wanted: Healthy rabbits needed for new no-gas energy crisis vehicle. Mail mathNEWS. Box # 999.

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mathNEWS is created Tuesday nights from 7:00p.m. onwards in M&C3011. All contributions, feedback, ads, or help in putting it together is welcome... If you're around drop in... Circulation this issue is 510 (with 51 subscribers)

The next issue of mathNEWS will be put together on WEDNESDAY, July 2, 1975 (since Tuesday is the Dominion Day holiday) and will be out on Friday, July 4, 1975 (hopefully, if not, then the following Monday)

tonight was the night of the bunny-rabbit... the honeybunny didn't crash all night either... at the unrecord-breaking hour of 6:30 a.m. there are a record-breaking 3 people (?) left...

the cast in order of disappearance were: wendy higgins (who made a quick fly-by); andy ellott, mathsock's socialism director; prraynham, the CSC's president in charge of vice; pblanouette, mathsox' pretender to the presidency; bunnies and dave, a true inspiration (where was boff??); tom and jerry (I prefer bugs bunny); phi don hall, (what's he doing here??); rlbiddle (who gave up all hope at 3:00a.m.); graham ashby (who is only partially sane); ransdall s. mcdougall (who wasn't sane enough to to give up on this madness after the last 3 issues)....

this issue proves that bunnies multiply... we've poked fun at just about everyone except C&D... we figure Cal's doing a bad enough job as it is...

