

# "REBIRTH"

mathNEWS was conceived Jan 17, 1973 at a "math newspaper organizational meeting". Born a few days later, in the wee hours of the morning on Jan 23rd, with the help of (3\*2) eager hands. Over the past term we published 10 issues at 1000 copies. Was it worth all those many copies, you ask. We wondered that, too, and we did something about it. The "all important" questionnaire was compiled and printed. Most important it was distributed and we got answers.

The worst reply was "I don't think that mathNEWS is a worthwhile project but I like it anyway." That was all last term. Now we want to produce Vol. 2. Since most of you weren't on campus last term you don't know anything about us.

Hopefully we will be a fun-lovin', "hardworking", group of "fools" as last term. We will always be ready and willing to accept new fresh fools to our non-titled ranks. Our only reward will be to have our names in print and all the coffee we can drink (ie. our bladders can hold).

One relief will be there will only be 1 chapter of W.I.C.F.D. published this summer. Our survey showed that this feature serial was the pet hatred of all our articles. For your information W.I.C.F.D. stands for Water Mellon Cully Flower Dough, an inspirational novel with illustrations in 2 chapters, written by Gerhardt von Schlumpftek.

To familiarize you with our contents on the following pages here is a list of (hopefully) weekly items.

1) GRIDHOPD--a crossword puzzle mainly for a math oriented mind.

2) THE PHANTOM REPORTS--a smutty report about those nasty machines and their cold warfare.

3) THIS WEEK'S THEOREM--an impossible proof proven possible.

4) MATLETICS--a report on the athletic mathie group sports.

5) CLASSIFIED--"Censored"

6) CARTOON--if and only if some brave talented soul comes up with one.

7) FEEDBACK--or letters to the editor.

This paper does not take any responsibility that it is #1, the best, or the worst. Infact, it does not take any opinion on it's quality, but we will admit we are a crazy bunch of writers out for a night of fun.

Come out some Monday night at 7:00 to room 3011 on June 11 or 25, July 9 or 23, or Aug 6 and join in our madness. Once you have been out you'll see your name in print and have a taste of how not to run a paper.

We hope to distribute the paper on the following Thursday. Last term the paper came out on Friday, but have you noticed that weekends in the summer start on Thursday.....

# math NEWS

## BY-ELECTIONS

a news bi-weekly  
published at the  
University of Waterloo  
Vol. 2.1  
Thursday May 31, 1973.

The membership of the math society council is presently depleted. So, there is an election on. That means that new reps have to be nominated.

A reps duties are to represent your wishes and suggestions for you at council meetings. They are to work for your benefit, and to use the money from your society fees, in the way that best serves you, the students.

If you feel you could make Mathsoc better for us all, get a nomination form and fill it out. Or, if you know someone who would fulfill your needs on council, fill out a form for them. But be prompt, because nominations close June 15. Pick your reps wisely.

Positions to be fill are: 2 people from 1R to serve as 1R reps for the rest of this term, and as 2A reps in the winter term. 1 person from 2B to serve as 2B rep for the rest of this term, and as one of the 3A reps in the winter term. 1 person from 4A to serve as 4A rep for the rest of this term and as 4B rep in the winter term. The nomination forms are on the wall in the Mathsoc office M&C 3038 and should be returned to the appropriate envelop before the closing date June 15. If you have any questions concerning the election, contact Steve Smith, the chief returning officer.

## the phantom reports...

Well, mathNEWS is alive and well(?) for the term, much to my complete surprise and bewilderment! The spectre of more sleepless nights looms large on the horizon! More frustration! More harassment! It should be a fun term!

Since last term, the Honeywell has expanded its software capabilities in all directions at once... almost every system has been mauled, mangled, and mutilated beyond recognition. For instance, one version of ABC (the desk calculator system) has been made to look peculiarly similar to good old APL(360). This is a source of constant annoyance to other system innovators .....particularly those associated with the production of 6050/APL. I imagine (yes, we are writing our own!). There are also between 3 and 5 versions of QED floating around the system under various names, such as !QED, #QED, QED and CMDLIB/QED.....

LISP is also implemented, but be warned: no one has said anything about inactivating the EVALQUOTE after you've called it up. It might be of interest to note that in the last half hour there were 3 system crashes. Fortunately, no one was using TSS except some 132 GNAPPERS (who don't count). This term they seem to expect to teach everybody TSS instead of batch, which is great, or would be if they had enough terminals to do it (which they don't).

As for our other great 3rd floor terminal system, it is whispered that in a few weeks or months or..... there will (maybe) be an update from I. P. Sharpe coming our way (by that time it should be more than a year or so out of date....)

Ah well, there is one ray of hope, someone seems to have tried tackling the problem of keeping the out-dated, falling apart, and generally more-than-half-useless 2741's in reasonable working order. And considering the condition they were in last term, they do seem to be doing a somewhat reasonable job, amazing as that may seem.

In parting, let me say this has been a time of improvements (?) all around and if you understand any of them, you might even like them. And for those of you who missed the time the plumbers drained the plumbing system into the Honeywell's memory, be it noted that the Honeywell and Computing Centre will both be shutdown for the weekend for work on the air conditioning. (we could very well have another Spectacular on our hands....)  
TO YODAR CRITCH: DEFINITELY ABSOLUTELY THE LAST TIME!!

## CONTEST

T-shirts were a great thing last term so, new t-shirts are going to be ordered this term. So we have a contest. The T-shirt contest is a great way to get your art work preserved for posterity.

### CONTEST RULES

1. All entries must be submitted to the Mathsoc office by noon Friday June 1.
2. Entries must consist of: (a) a full size drawing of the crest, (b) a scale drawing of the crest on the T-shirt showing clearly its position, (c) your name, ID number, phone number and address.
3. Only entries from members in good standing (ie that haven't gotten their society fees back) will be accepted.
4. The winner will receive 2 T-shirts, (1 of her(his) own design and 1 Gauss Lives), after answering a time limited skill testing question. (You'd better know when Gauss was born.)
5. Judges decision is final. Mathsoc council members, their families and roommates are inelegable.
6. The winner will be announced Monday June 4.

Note Get your entries in right away. Enter as often as you like. You too can bring joy into a Mathie's life.

## Faculty Council meeting

Faculty council met on May 15th, holding one of the briefest meetings of the year. The main discussion centred around an Arts faculty idea - that of requiring a number of high school english courses as prerequisites for entering HofM Arts. While the math council agreed that there is a definite problem of literacy at this university, they also felt that additional required high school courses would probably have minimal effect. Naturally this was followed by a successful motion to make no changes to the requirement for admission to Math.

The Dean's report confirmed that the university is planning a charge-out system for computer services. As well, he suggested that Faculty Council place its power in the hands of the executive for the summer months as is the usual custom. This passed with only one dedicated student rep opposed.

In conclusion, as a student rep I thanked council for our representation, apologized for attendance problems (nobody went all last winter) and bitched about the summer schedule, much to the chagrin of Peter Brillinger -as always he was helpful but frustrated in his scheduling job. A special thank you to him -he always tries- and that goes for Chris Springer and the other scheduling people too.

Rick Kraft

# Rub-a-dub-dub Three men at a pub



As of the time of "conception of Volume 2, issue #1" the Math pub of May 17 with Downchild Blues Band has been the best on campus. Why is this? Well, we Mathies know how to put on a pub.

The Friday afternoon pub of May 11 went as the rest of the Friday afternoon pubs. But I guess once the hot weather comes and the lectures become drier, the afternoon pubs will be a little more populated. Well, anyways, my sandwich goes down a lot easier with a beer.

In comparison here is a resume of the pubs...

Thursday May 3rd SEADOG "Big Drunk"... the first pub on campus, the get acquainted pub.

Friday May 4 KODIAK Fed...not bad but very few people..."Hussle mother night"

Thursday May 10 COPPERPENNY EngSoc...more girls than ever but who could compete with Hockey Night in Canada...

Friday May 11 WASHMAKHAN Fed...bad accoustics.

Thursday May 24 RHODE APPLE RED EngSoc...good show band, relatively poor dance band.

Friday May 25 VALLEY Fed...heavy..good dance band, but as all Friday pubs they lack people.

Pubs this summer have had good bands and a good hit of room to "shake your bones".

## the Water Melon Caully Flower Dough

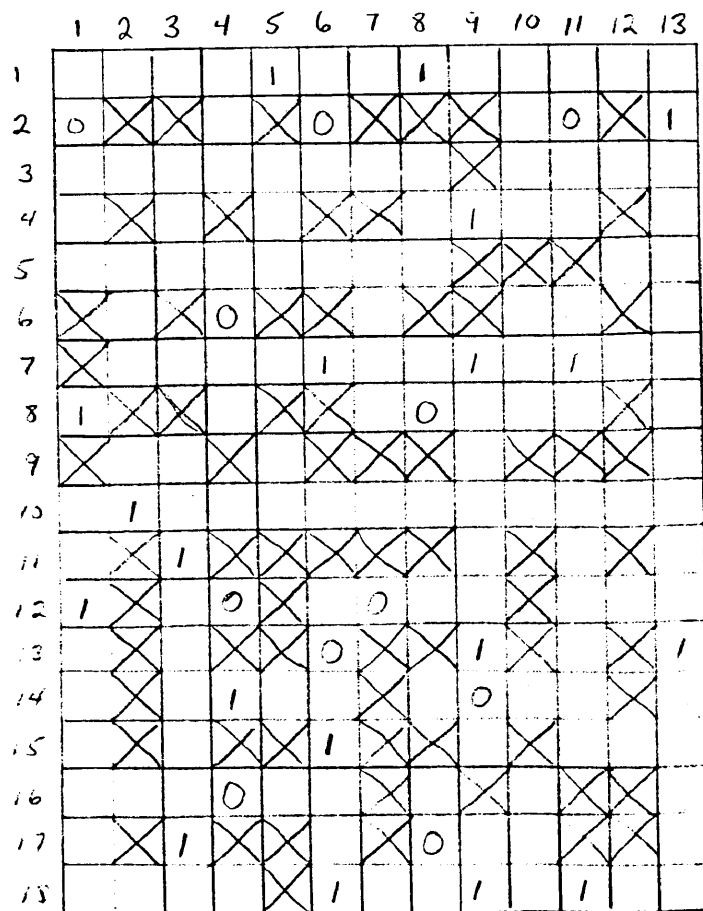
This is part 8 (of 9)  
of an inspirational  
novel by Gerhard van  
Schplümpftk

### Chapter 8

Gauss lives.

## COMING ATTRACTIONS

Fri.	Sat.	Sun.	Mon.	Tue.	Wed.	Thur.
1 LAST DAY FOR T-SHIRT CONTEST  FED Pub F. S.	2 MOVIE   'Great Northfield Minnesota Raid'	3	4 Soccer - Math United Col #1 6-7  B-Ball - Coop (Rookies) Court #1 7-8 - Math Soc Court #2 8-9	5 let the old bones rest up	6 Football - math Soc 6-7	7 Softball - math Soc Col #2 5-6:30
8 MATH Soc PUB WITH YUKON	9 MOVIE   'WILD BUNCH'	10	11 Soccer - Math United Col #1 7-8  Football - Math Soc 7-8	12 Softball - Math Soc Col #2 6:30-8	13 Soccer - Math Sockets Col #1 7-8  Football - Math Soc 6-7	14 Sleep



#R#W#R#

DOWN

- 1 1 antisymmetric, reflexive & transitive  
 10 1 distribution  
 5 2 donkey  
 9 2  $\pi$   
 3 3  $\sigma$   
 9 3 a red Indian thought he might eat turkey in church  
 1 4 girl's name  
 5 4 kid  
 3 5 I  
 9 5  $\mu$   
 1 6  $\sim$   
 12 6 an arts faculty  
 5 7 trial of knowledge  
 3 8 NO  
 7 8 2  
 16 8 last card: /\*  
 7 9 root finding recursively  
 17 9 NEW ISSUE  
 1 10 Russia  
 6 10 let C equal side congruency of 's due to ASA  
 16 10 boy's name  
 1 11 single  
 6 11  
 10 11 5  
 1 13  $\Delta$

ACROSS

- 1 1  $\vec{u} \cdot \vec{v} = 0$   
 2 10 5th note of the musical scale  
 3 1 what the acorn said when it was grown up  
 3 10 tight  
 4 8 atmosphere; tone  
 5 1 lines perpendicular to radius of circle  
 5 12 0  
 6 10 article  
 7 2 M233 major  
 8 7 final result  
 9 2 intercom  
 10 1  $2\pi r$   
 12 3 2  
 12 6 mail  
 12 11 blemish  
 14 3 DOWN BY THE OLD \_\_\_\_\_ STREAM  
 14 8 finished  
 15 11 ten, jack, queen, king, ace  
 16 1 con artists  
 17 8 1  
 18 1 and so forth, and so forth  
 18 6  $\infty$

Gridword Comment

The first correct answer submitted to MathSoc (MC3038) will entitle the submitter to a genuine MathSoc T-shirt. The name of the winner and the correct solution to the gridword will be published in the next issue of mathNEWS. Good luck!

# classified

Coop Students in the fall term working in Sudbury, looking for a home. Engineers accepted. Write Hans Colyn, 1252 Craig Dr., Apt. 102, P3A4K8, Ph 705-560-1470

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

Wanted: Funseekers For mathNEWS see YOU Mon, June 11, MC 3011, 7:00pm till we finish Vol. 2 issue #2

GAUSS LIVES

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

Wanted: Invitation from Girls in 516J to Guys in 519E for next party.

# COOP FEEDBACK

Ask the C.A. Option 'athies what happened and some said "nothing much". The session did cover three basic grievances pertaining to course material, bad professors, and W.L.U. business courses offered to us at W.L.U.

This last matter of business has been very conversational. Business courses are very relevant to 'outside world' and being receptive students we understand this. Most of us would say "if we had one good business course I would take it." Right now we are offered courses at W.L.U. on their campus.

Realizing it would take 10 to 15 minutes to walk there and therefore requiring an hour break in between classes then you have to kill time after or before the class, we reluctantly omit their existance. W.L.U. is known for its business courses. Interestingly enough is the fact W.L.U. has a regular enrollment which has been said to be less than or equal to its summer school enrollment. Another fact about W.L.U. is that it held a computer course in MC2065 or 66 last regular session. The two universities are readily exchanging facilities and courses yet the professors remain deep rooted to their home territories. What alternatives can ease this situation?

Could the course be offered as an evening course therefore minimizing the travel time?

Could the professors come to the respective campuses therefore reducing the number inconvenienced? To compensate the professors could we provide them with special 1 1/2 hour parking lots?

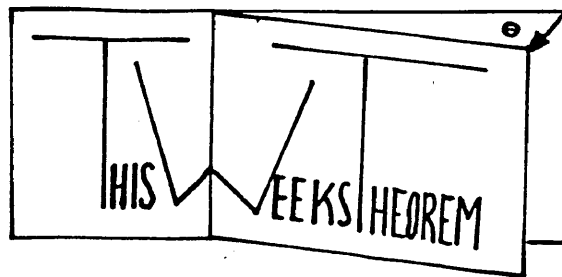
If anything resulted from the session to improve this plight the feedback benefits more than just those C.A.'s that attended this session.

## THIS & THAT

We've survived the three-week period allotted to adding courses - and what a joyous period that was. The thrill of seeing countless excited students rushing to Faculty advisors for more, more, more... of that good down-home Waterloo education.

Naturally we've been swamped at MATHSOC, too. Everyone's coming to lend a hand (right after they get their \$2.50 back of course.) Put even with these thousands of self-starters vandering in our midst, only seven have taken root - more or less. We could use you volunteers.

We could use help in writing for newspapers, running in elections, serving on committees, and of course we need people to help with our pubs. There's a lot of work to be done on that climax of publications for 'Math students...' "THE ANTICALANDREP". It only comes once a year and that's heavy. You should get in on this orgasmic event.



C.T.P:  $\ln 2 = 0$

Proof:  $\ln 2 = 1 - 1/2 + 1/3 - 1/4 + 1/5 - 1/6 + \dots$

$$= (1 + 1/3 + 1/5 + \dots) - (1/2 + 1/4 + 1/6 + \dots)$$

$$= (1 + 1/3 + 1/5 + \dots) + (1/2 + 1/4 + 1/6 + \dots)$$

$$- 2(1/2 + 1/4 + 1/6 + \dots)$$

$$= (1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 + \dots)$$

$$- 2(1/2 + 1/4 + 1/6 + \dots)$$

$$= (1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 + \dots)$$

$$- (1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 + \dots)$$

$$= 0$$

C.F.P.

$\therefore \ln 2 = 0$

$\therefore e^0 = 2$

## Try This One

There were 3 men in jail. One guy had sight in both eyes, one guy had sight only in one eye, and the third guy was blind. One day the jailer came in and said, "I have 5 hats, 3 white and 2 red. I am going to place a hat on each of your heads and hide the other two. If you can guess what colour of hat you have then you can go free."

The first guy looked at the other 2 and said he didn't know. The second guy looked and said he didn't know. The blind guy thought, stated a colour and was allowed to go free.

What colour was he wearing and how did he know?

Dividing all this work by seven means one of two things, either the work doesn't get done or there may be tragic academic failure among we poor individuals.

We extend a special invitation to 10 students to join because many of us will be graduating soon and new people are needed to carry on.

...A REMINDER... if you can draw pictures, the deadline is June 1. See page for details.

## FEEDBACK

This past weekend has seen the coming and going of another convocation.

Having been a recipient of a "staff of freedom" I cannot but recall the story of Pilate's release of Barabas in the days of Christ. Pilate's role was played by the University while several hundred socialized students (and I do not exempt myself) portrayed the bewildered Barabas. But who played Christ? Who must now face the scourging and degradation that Pilate "must" inflict? It is the students still learning who must suffer this injustice; it is you. The angry mob is well presented by "society" which forces Pilate to do what has been written. It is you who will be "killed" so that you may rise again as well as socialized animals. Then and only then will you be given your freedom.

Oh but freedom is sweet. Why do I be grateful?

J. McIlanus B. 'IATH(HOH)

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## A WORD FROM ENGSOC

Submission from ENGSOC PREZ PAUL DORBOCKY

MURPHY'S LAW

If anything can go wrong, it will. If nothing can go wrong, something will.

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mathNEWS - financed by but independent of mathsoc

we've received so few articles that we had to make up a big masthead....if you want to write an article or hear of something you think we should cover, just drop us a line at mathsoc.... and to George we did/didn't miss you.... John why did you put the locker numbers and combinations inside the lockers.... thats about all.... except hi again to Steve....

Credits....finally we come to the regular gang (first issue but we're hopeful) ....the phantom, Mark Sheilds, Marsha Tatebe, Liz 'do you have a beer' Luciani, Randall 'why should i have quotes you don't have quotes' McDougall, Bruce 's p e e d y' Morrison, John 'temporary' Beraldo, Geoff 'Godfrey' Arthur, and our sports editor, and our pres John and all the rest of the names.....who didn't make it out. See you next issue .... June 15th?

"John!"

7

"Marsha!"

6

"JOHN!"

7

"MARSHA!"

6

"Johhhn"

"Maaarsha"

76

13

"Good morning"

"John"

"Marsha"