

ENGINEWS: an Endangered Species

Once again Engnews has shown the world that an undergraduate newspaper has full freedom of the press and as such is entitled to print as much racial, sexist and ethnic discrimination as it wishes, in whatsoever fashion it damn well pleases, and to hell with authority. In the words of the editor, now the ex-editor, "Engsoc tried to censor this issue, but I outsmarted them."

Engnews' previous issue had outdone itself with racial slurs, and had prompted protests from certain minorities and the Engsoc council. The council ordered that the magazine "delete all material which discriminates against anyone because of race, color, creed or sex. An amendment was made to exclude sex because "sex jokes are OK"."

In obedience to this order, the layouts for the July issue of the magazine were submitted for approval, and were approved. However the issue that appeared on campus was not the approved issue. Certain portions of the paper were changed before being printed. This included the front cover story of the bribery and corruption of Stan Packi, and the editor's protest of the censorship. Following the emergence of his hari-kari issue, Rob Murakami resigned as editor.

Engnews did improve the quality of their racial and ethnic "jokes" They said, "We're trying to discriminate against those groups still available on an equal basis." Following

this credo the typical ethnic joke began, "Did you hear about the ETHNIC who..." At least it is an improvement. Fortunately, they also had run out of dead baby jokes.

The issue did have some good humour in it, which does go to prove that Engnews doesn't have to descend to its usual brand of crude and uncouth humour in order to be funny. It does seem though that the plummers want that sort of humour. The editor had conducted a survey of engineering students to determine their opinions of the previous issue. Obtaining 302 responses he reported, "The results of the survey were overwhelmingly in favour of the last issue. A full 80% had no complaints whatsoever.... There were 20% negative responses. But let me clarify this. A negative response was one which made a criticism either about baby jokes, racism, or pornography." All that can be said is that if people want this kind of a paper, they are welcome to it, but don't leave it around for my kids to read.

It is interesting to note that although the issue did follow its usual sexist line, it gave a perfectly straight write-up of the 16 female engineers on campus. Perhaps Engnews feared the wrath of hitting a little close to home.

Editor's note: The previous article is the sole opinion of the author and not that of Mathsoc or mathNEWS. All quotes were taken from the July issue of Engnews.

FRIDAY JULY 4, 1975.
ISSUE 8.5

math NEWS



One of the services provided by mathNEWS each term is the mailing of copies of the paper to all people interested enough to subscribe. This summer, we have a total of 52 users receiving brown envelopes with copies of this newspaper contained therein. This service is being offered again next fall. For a mere \$1.25 (we charge more for the fall because you get more) you can be kept up on all the action and happenings around campus. You get to read informative articles, entertaining features, enlightening columns, challenging gridwords and exciting fillers. It's all here for you, every week, so next term, don't be left out of the know. Subscribe to mathNEWS.

To subscribe, you merely have to go to the MathSoc office and find someone and say "I want to keep up on all the action happening here, but I'm off campus next term!". The cheerful MathSoccer you are talking to will reply, "Certainly, you obviously need a mathNEWS subscription for the fall." He will then take your subscription, a painless process that consists of (1) You give \$1.25 (to cover postage and envelopes) to the smiling MathSoc person, and (2) He takes down your name and your fall term address. Alternately, if you don't know where you'll be in the fall, you can mail mathNEWS your name, address and money in the fall to: mathNEWS/MQC 3038/University of Waterloo/Waterloo, Ontario N2L 3G1.

The \$1.25 covers only the postage and the envelopes. The paper itself is free, paid for by MathSoc funds. Just about anybody can subscribe.

NOTE: If you insist on giving us a cheque, please make it payable to "Mathematics Society". MathSoc can cash cheques made out to "mathNEWS", but the people of MathSoc don't know this, and the subscription editor always gets a hard time from them.

MATHS MINUTIAE

The next MathSoc meeting will apparently be held on Tuesday, July 8 in MC3011 at 4:30. Among other things it will consider a 6-plus page report on "the voting powers of off-term members".

In the meantime, summer directories are still available in the MathSoc office, if your friends still won't tell you where they live. You will also find that the blackboards in the office have been moved. This is because the central partition is soon to be removed.

MathSoc has also acquired an LSI green which a large number of people find quite amusing to play with.

Rumour has it that the last Anti-Cal meeting* was virtually non-existent, making coordinator Phil Lanouette sole person in charge of everything.... We hear he intends to try. However, if no one shows up to help before he gets sick of it, then there won't be an Anti-Cal this year.... (i.e. you can stop expecting to get one).

It has been suggested that Coffee and Donuts set up a complaint booth, thereby possibly diverting some of the frenzied masses from the main part of the MathSoc office.

*No, this is not a kill the C&D manager meeting, that's next week.

son of Full Duplex

HALF DUPLEX

For those of you who entertain the idea of becoming grad students here in these hallowed halls of learning, it might be an idea to brush up on the local pecking order. Roughly, it goes like this: Faculty > high school students > model trains > grads > undergrads. This scale is generated from the all important, ever present factor of the B.I.U. (body-in-university). And if you are wondering about the model train's presence, you are not alone. So are the grads who were evicted from their office in order to make room for the model train.

Mind you, this is not your average everyday model train. The idea is to have this particular toy controlled by a Nova minicomputer, for the purpose of investigating such computer controlled systems, and (no doubt) to impress the hell out of future B.I.U.'s.

Speaking of which, a while ago we were entertained by the Junior Math Contest high finishers of yesteryear. True to form, they immediately found out (or were told) where all the games were on APL/360. Not that this satiated them. They then moved over to the 'bun in their neverending search for games. At one point, there were 17 of them on the 'bun - 7 playing chess!

Other than that, I am sure (almost convinced?) that they do come here not for

a LONG Fed Report

There is not much to report in Federation. This is because once again a council meeting (for June 22) was cancelled because of lack of quorum. There have been a few executive actions to keep the Federation running. A report has been readied regarding Federation employees, a contest will be held to find a Federation symbol and logo, entries are invited and the winner will receive a \$50 prize. The pub in the Campus Centre is operating with less patrons now but Art Ram is trying to bring in big bands to improve business.

Regarding entertainment the Federation will be combining with Mathsoc and Engsoc to hold a big party with 3 bands on Sunday, July 6th. The party is at Columbia Field. Admission is free, all you pay for is food and refreshments.

Since prizes were mentioned earlier I shall bring up Lottuition (WE ALL WIN, NOUS Y GAGNONS) the Federation sponsored lottery in which the grand prize would be 8 months free tuition. Now the government hasn't approved the lottery (we may not get approval if they feel the Federation is not a charitable institution), but if it does it may run like the famous "Ontario" perhaps prizes dependent upon matching certain number and series combinations. (i.e. 3rd prize of 1 month tuition if the last 3 numbers match) It is an interesting proposition.

I now have official news from the Board of Education. Shane Roberts said there will be no Big Book this fiscal year and probably not next year either (it seems realistic not to expect one before 1977 or 1978)..... or perhaps 1984..... Instead the Board will work with societies to establish and improve course critiques. This means that in Math's case a grant will probably be forthcoming to cover the cost of anticalendar.

games and goofing off, but to extend their interests in the field of Mathematics. It is one of the few programs supported by U. of W. which is not crassly interested in generating new students.

Waterloo has struck again in the field of employment opportunities. The first International Brotherhood of Thaumaturgists (Local 1.5) has been formed here in this very campus. And to prove its relevance to the job sector, I direct you to our classified section. We would have had it copied in directly, but since the EMS photocopy facility (as well as the books) are off limits after midnight, this was the best we could do.

And some more (not surprising) news from the Gazette: 23% of first-year Engineering students (and I am using that term "students" extremely loosely) did not make it into second year. And if any of you got a look at the third page of the July Engnews, you will know what I mean. But that's not likely. Seems the ex-editor managed to insert some of his most puerile material in it after the final draft was approved and before it got to the presses. There are now no copies left on campus as EngSoc carried out another clean-up operation on their "official" society newspaper.

heat resistant

BURLOAF

The new LOGIN subsystem for the Honeywell has been in operation now for a few weeks. The system has a more readable format for the header line that says "Hello, I'm the 'Bun.". For a few days, people were being informed that the date was things like the "20st" or the "22rd" of June. The implementation of the new system met with a torrent of gripes, including complaints about the way you are forced to change your password if it is not changed for a certain number of days, and the way you were forced to have passwords at least 6 letters long (now defunct). A password that looked like a student id (8 digits) was not allowed either. It would appear that most of these complaints stem from the fact people don't want to be told what to do by a machine.

Some day when you have nothing better to do, try responding to the prompt for the user id with your userid, followed by a line feed and a carriage return. (2741 users: sorry, you can't do this on your terminal (2BAD, as they would say in Hexadecimal)).

The APL terminals of the third floor terminal room have finally been taken away. (They were out of action for a few weeks, having been gift wrapped with blue ribbons.) Also, I have been informed that the file system feature of APL will be no more after the end of the month (on the /360, that is). It seems that the Math Faculty is scaling down their support of this Computing Centre service.

Users of the Honeywell have noticed a few new userids turning up in their WUSER listings. Two of these are LABATT50 and LABATBLUE. It turns out these are users from Labatts who are upgrading to a 6000, and the company figured that as long as it was here, it wouldn't hurt to get a little free advertising.

This week, due to popularity, we are featuring two INTEGER_OF_THE_WEEKS. The first number is a valuable aid in writing obscure programs, useless subroutines, and kludgy procedures. So here it is, our first INTEGER_OF_THE_WEEK:

91

Now, we present a function for generating this INTEGER_OF_THE_WEEK for programmers who need it, but whose system doesn't supply it as a built-in constant. A number of systems supply some special constants (e.g., pi is supplied on APL, you can get it with omicron followed by a 1). However, not all systems supply needed constants, and the user may have to write a function to generate the number. So, for those users whose programming language fails to supply this integer, we have the following function to generate it:

```
F91 (NUMBER)
begin
  if NUMBER > 100 then
    RESULT := NUMBER - 10;
  else
    RESULT := F91 (F91 (NUMBER + 11));
  return RESULT;
end
```

This recursive function returns 91 for any integer less than 100.

Our second integer is published by popular demand. Our second INTEGER_OF_THE_WEEK is:

1

This integer is one of the only two integers that are still integers when inverted. (No one has successfully proved a 6 becomes a 9 when inverted so that doesn't count.) It is not really prime, but not really composite. It is an identity in the ring of integers, and is the largest integer that is next to zero. This integer is really quite useful, so it is supplied in most systems, but just in case it isn't, we provide this function for generating it:

```
F1 (NUMBER)
begin
  if NUMBER = 1
  then RESULT := 1;
  else
    if NUMBER is even
    then RESULT := F1 (NUMBER / 2);
    else
      RESULT := F1 (3 * NUMBER + 1);
  end
```

This recursive function returns 1 for any positive integer. (For negative integers, it tries to return -1, on 0 it recurses forever.) Although this function "cheats" (there is a "1" inside the program), it has the interesting property, that no one has been able to prove it will return 1 for any arbitrary integer, however, no one has found a counterexample (i.e., there is no positive integer to make it recurse forever.)

As an added bonus, this week we are going to present a GAUSSIAN_INTEGER_OF_THE_WEEK. A gaussian integer is a complex number with integer coefficients. (e.g., 2+3i and 10-6i are gaussian integers, but .5+3.1i aren't.) This week's GAUSSIAN_INTEGER_OF_THE_WEEK is

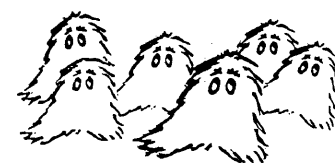
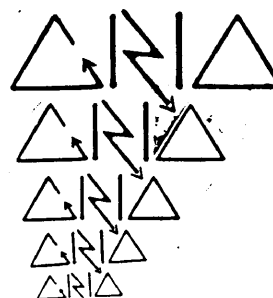
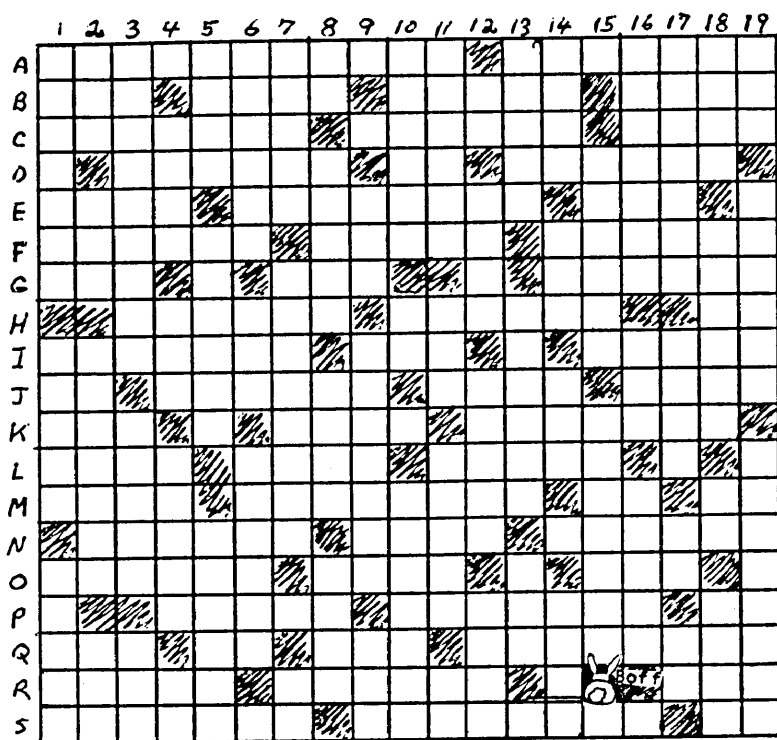
1+i

This number has the property of being the "smallest" gaussian prime number. (note, the prime integer 5 is not a gaussian prime, $5 = (2-i) * (2+i)$.) Gaussian numbers, like all complex numbers, have no ordering defined, so in this case, the size of the number (A+Bi) is defined as $A^2 + B^2$. (Or more correctly, $\sqrt{A^2 + B^2}$.)

(Just an observation) It seems hoff has been replaced by bunny. Normally, I'd make a snarky remark about rabbits in general (and all those rabbits in last week's paper in particular) but for a various reason, I won't.

A closing thought: "University" said backwards is "It is revenue" (more or less). Spelled backwards, it is "ytisrevin!".



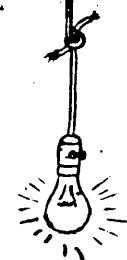
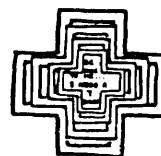
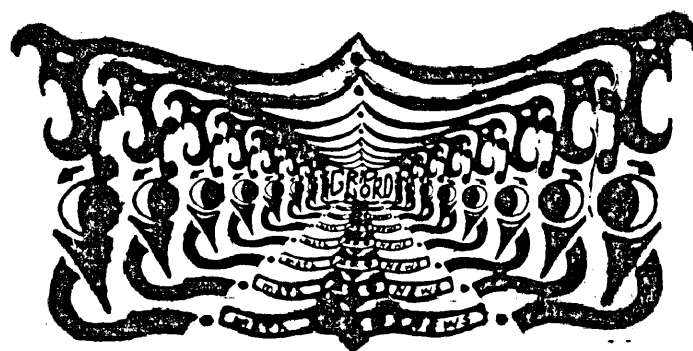


ALPHABETIC

NUMERIC

HIEROGLYPHIC

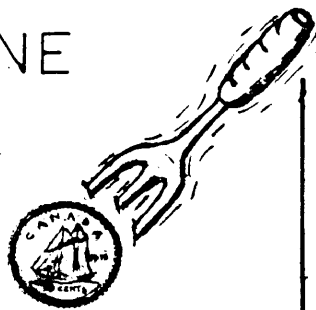
- a1 not kocher
a2 recline
a3 carry
a5 one hole
a6 cornses
a7 made by coral
a8 neuter
a10 come to pass
a11 unset
a13 one who has a mania
a14 sums
a16 difficult
a17 tips
a18 fibbed
a19 a soc
b12 two vowels
c4 christmas
d8 swiss song
d15 stringed
e2 mimic
e9 a common base
e12 an island
e19 a biting fly
f5 simply
f14 a definite article
f18 a mania
g7 wedded
h4 art (latin)
h6 council of upper canada
h10 north-east reversed
h11 toss
h13 hunting
i1 a young person
i2 complete
i9 building
i16 royal vaulting team
i17 small amount
j8 wrong
j12 to draw out
j14 most (suffix)
k3 colored
k15 boney
l4 shoulder covering
l6 vinegary
l11 chaos
l19 puzzles
m10 rank
m16 tie up
m18 in the direction of
n5 crown
n17 right
o1 portion
o8 first man
o13 trouble
p12 catch
p14 hurt
p18 surface
q2 charged particle
q3 dummy
q9 not not not
q17 not them
r4 they make lightbulbs
r7 not q5 across
r11 before most



- a1 mother had a feeling
a13 french cuff
b1 ran backwards
b5 shelley was one
b10 leading
b16 a waterfall
c1 suicide capsule
c9 windward
c16 at the bottom of the barrel
d3 inform
d10 dad
d13 declared
e1 slack
e6 inner secret
e15 a digit
f1 eve's fruit
f8 marks of a blow
f14 elephant's baggage
g1 new
g7 home
g14 hurry
h3 scamp
h10 one twice
h13 and
i1 it's symbol is Y
i9 it bubbles
i15 grasps

- j1 an exclamation
j4 angled
j11 good (latin)
j16 pleuiscite
k1 vase
k7 dive backwards
k12 an extinct car
l1 lower extremities
l6 a reversed gas
l11 pains
m1 large
m6 a monkly vow
m15 saint
m18 a note
n2 leveled
n3 it's found underground
n14 fear
o1 display neuter (2 wd.)
o8 airy
o15 not safe
p4 landlord
p10 eight legged cat
p18 big
q1 it comes in first
q5 swish
q8 a girl's name
q12 comfort
r1 war paint
r7 a one-celled animal
r17 Heffner's hobby
s1 peculiar to a district
s9 middle ear
s18 as

A TWITCH IN TIME SAVES DIME GRIDCOMMENT



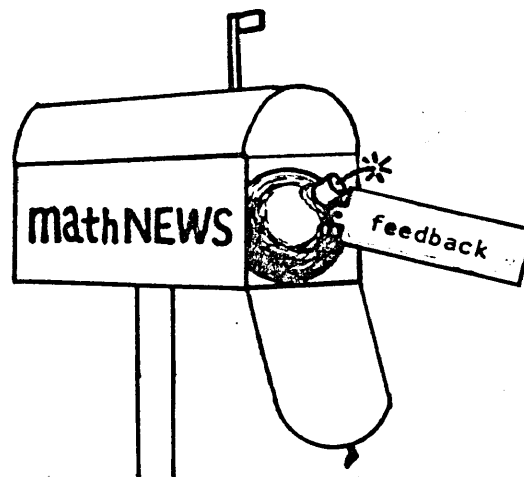
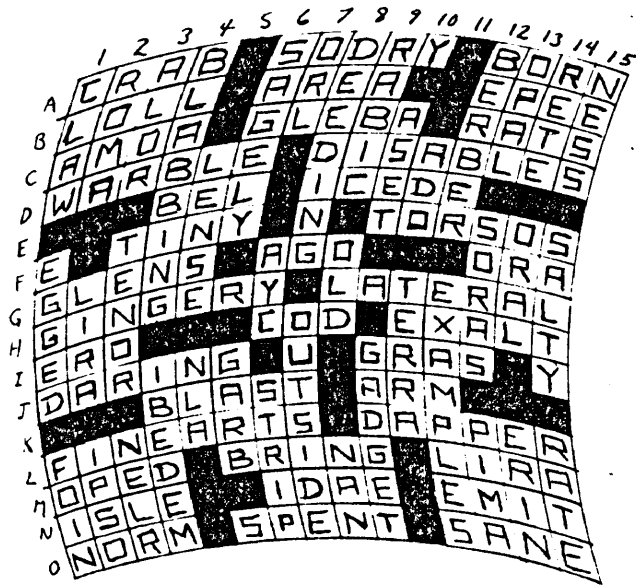
For all you 240A students interested in extrapolation. The following table represents data to use for a linear fit to project the submissions and number correct for this week's gridword:

grid size	number of submissions	number correct
187	38	26
225	7	5
361	(-56.76)	(??)

As you can see, we have done half the work for you to check your results. You don't have to be taking 240A though to try this.

Of the seven entries this week, four were from out of town. Lets hear it for Toronto(2), for Ottawa(2), and for good old Uniwat(3). (We should only count Toronto for 449/225-ths if we include Mark Brader) This week's lucky? winner is Diane Mitchell who is currently batting .500. Eat your heart out Owen, you are down to .291.

Mark Brader was proud to inform us that he is moderately vital.(anybody want to take him up on that?) Tom Sipos' vital signs are as follow: b.p. 120/80, respiration 45, with breathing hard and laboured. Either he is about to deliver or he is still working on the conception.



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

I read with interest your article on the change from a "funny money" to a "real money" charge for computing, by both the Computing Centre and the Math Faculty Computing Facility, and the subsequent limitation of access to computing for some students. When the Computing Centre was requested to incorporate full accounting into the DEBUG service, it was feared that many students who had been using the computer, but who were not registered in a course that supplied them with a computing account, would be denied access to the computer. For this reason, last summer the Vice President (Academic) established a special fund called the Casual User's Computing Fund. This fund provides some access to the computer for anyone who is unable to obtain an account number through the usual channels.

Some typical examples of legitimate reasons for being granted a Casual User's Account:

1. A student who wishes to use the computer to complete an assignment in a course for which no provision has been made for a computer account.
2. A student who wishes to increase his/her knowledge of computing.
3. A staff member who wishes to gain an expertise in computing.

Normally, these numbers provide access to DEBUG or APL, but if a student's computing requirements are such that they cannot be met by either of these two services, the number can be extended to batch or CMS.

To apply for a Casual User's Computing Account, please see either:

Roger Watt
extension 2183
M&C 2007

or
Carol Vogt
extension 3270
M&C 2005

Casual User's Accounts can be obtained with a minimum of red tape. If you just need DEBUG, you can have your number immediately; if you need some other service you will be required to wait until the next day. The fund is limited, and it is on a first come, first served basis.

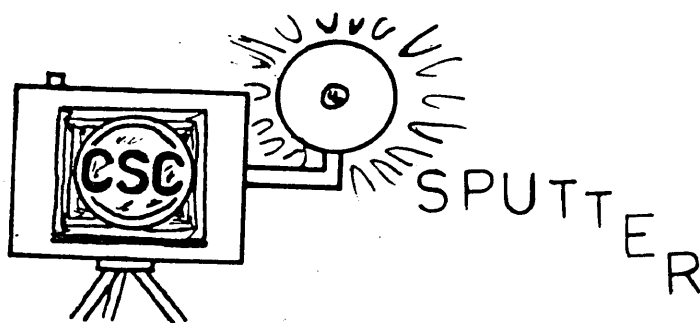
Carol Vogt

mathNEWS:

I did not get a copy of mathNEWS this week because on Friday afternoon when I went to get it they were all gone. Can you maybe publish more each week? I know that there are others with this problem too!

Doug Brown

(Would you believe that the issue came out on Thursday morning. We are printing more copies this issue but it might help if you got up before noon on Friday to get to your 8:30 class. Better luck next week. :boff)



C.S.C. News:

I may be able to explain away that fiasco of a non-meeting on the 24th of June, but not until I see my lawyer.

In lieu of the usual C.S.C. report, I give you an article about the resident computer chess fanatic (which the C.S.C. has not been able to impede despite valiant efforts).

The U. of W. based computer chess fiend, TREEFROG, will be exercising its killer instinct in the near future. The first stop on its summer agenda will be its Canadian title defence in the Second Canadian Computer Chess Championship scheduled for August 1st-2nd in Calgary. After this, it is then scheduled to come out into the real world of chess players and compete against human opposition in the Montreal Labour Day weekend tournament. For those of you to which this means anything, the program, although computer chess champion of North America, is classed as a class 'C' player at best. It will probably get stomped in Montreal.

After this, in mid-October, it will be travelling to Minneapolis (under the care and guidance of its principal author, Ron Hansen) to defend its U.S. title against the best of the U.S. programs. Most notable of these is CHESS 4.0 from Northwestern University, only previous winners of the title, until last year's tournament in which we were victorious.

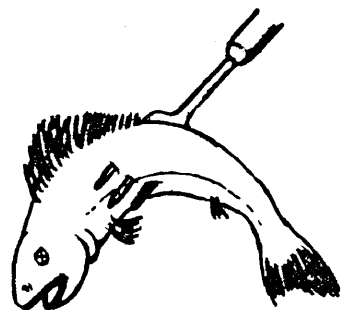
For those of you who remember 'Fish Market', we present the following computer chess game from the U.S. tournament of last year between CHUTE 1 (from the University of Toronto) and Xenarbor IV. Those who wish to can compare this game to mathNEWS'S last published chess game.

White: CHUTE 1
Black: Xenarbor IV

- | | | |
|----|-------|-------|
| 1. | P-K4 | P-QB4 |
| 2. | P-QB4 | N-QB3 |
| 3. | N-KB3 | P-K4 |
| 4. | P-Q3 | N-KB3 |
| 5. | B-K2 | B-K2 |
| 6. | O-O | O-O |
| 7. | P-QN3 | P-Q3 |
| 8. | B-QN2 | B-K3 |



In true 'Fish Market' tradition.



- | | | |
|-----|----------|--------|
| 9. | N-KN5 | B-Q2 |
| 10. | N-Q2 | P-KR3 |
| 11. | N(N5)-B3 | B-K3 |
| 12. | B-QB3 | Q-N3 |
| 13. | R-QN1 | Q-R3 |
| 14. | P-QR4 | QR-QB1 |
| 15. | R-QR1 | P-QN3 |
| 16. | Q-K1 | KR-Q1 |
| 17. | Q-Q1 | R-KB1 |
| 18. | R-N1 | KR-Q1 |
| 19. | R-K1 | R-B1 |
| 20. | K-B1 | KR-Q1 |

...

Vintage 'Fish Market'!
But is one of them really Mark Shields?

...

- | | | |
|-----|-------|-------|
| 21. | P-QN4 | Q-N2 |
| 22. | NP*P | QP*P |
| 23. | B*P | N-Q2 |
| 24. | B-QB3 | Q-R3 |
| 25. | B-QN2 | KR-B1 |
| 26. | B-QB3 | KR-Q1 |
| 27. | P-K5 | R-B1 |
| 28. | N-K4 | QR-Q1 |
| 29. | R-QB1 | R-QR1 |
| 30. | Q-B2 | QR-Q1 |
| 31. | B-Q1 | QR-R1 |
| 32. | R-K2 | QR-Q1 |
| 33. | Q-Q2 | R-R1 |
| 34. | K-K1 | QR-Q1 |
| 35. | Q-K3 | Q-B1 |
| 36. | N-Q6 | QR-R1 |
| 37. | K-Q2 | ... |

...

In true 'Fish Market' style,
White maneuvers his King into the centre
where it has no right to be!

...

- | | | |
|-----|----------|------------|
| 37. | ... | P-QR4 |
| 38. | Q-K4 | P-N3 |
| 39. | R-K3 | K-N2 |
| 40. | B-N2 | P-B4 |
| 41. | P*P e.p. | B*P |
| 42. | P-Q4 | B-N1 |
| 43. | B-B2 | KN-N1 |
| 44. | Q*P+ | K-R1 |
| 45. | Q*RP+ | B-R2 |
| 46. | Q*B | Checkmate. |




Truly, a 'Fish Market' game.





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"

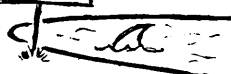


FIELD EVENTS - BARBECUE AND REFRESHMENTS

free admission



SWIM AT YOUR OWN RISK!



n- jineer jests (n=6)

What is an engineer's marriage proposal?
You're having a what?

Did you hear about the engineer who got mad and threw himself on the ground?
He missed.

Did you hear about the engineer who asked everyone to save their burned out light bulbs?
He needed them as he was building a dark room.

What do you get if you mate a gorilla with an engineer?
A retarded ape.

Definition of gross ignorance: 144 engineers.

Ethnic: Do you always drink your beer that fast?

Engineer: Yep. Ever since my accident.

Ethnic: Oh, you had an accident recently?

Engineer: Yep, some guy knocked my beer over.

UNTITLED OPUS # 6

Presenting a gala extravaganza of our third annual super colossal special mathNEWS issue in glowing shades of black and white, under the talented and expressive leadership of our noble editor Randall S. McDougall, mathNEWS is about to do it again. We do need bodies though, preferably warm and eager ones to make our FROSH issue it's usual success. The meeting where we put it all together is scheduled for Saturday July 26 starting at high noon in M&C 3011(our usual hangout). If by some quirk of fate you happen to have some contribution but can't bring it along in person, sucker a friend into doing it for you.

As well, we will be discussing the possibility of a first day of class issue for September, at the request of our illustrious prez. GGDYDEN.(not me this time dennis -rsm)

MATHLETICS



ALLSTAR BALLERS COME THRU

In slow pitch action Wednesday night, a bolstered crew of Mathies were humbled at the hands of the CAMPUS ALLSTARS. Although the Math "STUMBLE BUMS" only had a turnout of 6, the Allstars generously donated their star (***) pitcher J*U*N*A*G*L*E J*I*M (lately of Tarzan's Tigers of the A.L.) and three other players (who remain anonymous since their lack of knowledge of baseball's fundamentals fills volumes).

The Allstars (WE WON BECAUSE WE WON BECAUSE WE WON.....) led by TEEKERS (with the quick hands behind the plate) trounced the scoundrels anyway. ALLSTAR batters found holes in the tight infield (S.A. finger(s)) that no one knew existed.

This week, of the Dynamic Duo, NEVERGREEN outshone EVERGREEN as the man with the Golden Glove showed that even our infield vacuum cleaner doesn't pick up the dirt all the time.

Nevergreen, however, brought cries of "Look at the arm" with pinpoint accuracy of throws from deep right field ("But we haven't got to the arm yet").

Our female contingent showed once again that they may not be able to hit but they sure can swing (PAULIUMG says "Our team sweaters should be halter tops, who can keep a t-shirt on in this weather???").

And finally, the GOLDEN BALL OF THE WEEK AWARD goes to Teekers, for who else can smoke and play catcher at the same time.....

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 userid mathNEWS.

PARTY: to be held anytime to celebrate J.I.'s absence. (signed) his adoring fans?

HAPPY BIRTHDAY to all Randalls with birthdays on July 7.

CADAR ORGANIZATIONAL MEETING An organization meeting of the Canadian Anti Defamation Association of Rabbits will be held on Saturday July 5. Hop to it and come on out cause it will be a hare-raising experience. contact mabun via the Honeybunny for more details.

RESIDENT THAUMATURGIST:

The Artificial Intelligence Department of the Institute for Advanced Thinking, Big Sur, California, has an opening for an experienced thaumaturgist to assist in speech understanding research. The position entails taking sole responsibility for the design, implementation, and maintenance of a clairvoyant subsystem to bolster, and eventually replace, existing programs for acoustic-phonetic recognition. Applicants will be required to demonstrate proficiency in glottomancy, perplumbauration, transmurambulation, and related skills. Necromancers need not apply. For further information, conjure up the Director, AI, Department, Institute for Advanced Thinking, Big Sur, California. We are an equal opportunity employer.

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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 550 with 52 subscribers...next mathNEWS night is Tuesday the 15th, next issue out on Friday the 18th...this will be the last regular mathNEWS of this term...

the time is now 7:07 on Thursday July third...despite appearances we didn't really spend 32 hours preparing this...we started Wednesday nite, it just feels like 32 hours...at this time the three semi-survivors fondly recall the golden moment at 4 o'clock when we decided to expand from eight pages to six...(or vice-versa)...one of the turkeys says he's late for breakfast... did you know that it took 7200 seconds of cpu to calculate 7!!? ...the contributors of this epic journal (in pseudo random order)... first star jlong for leaving us his column a week and a half ago... mick rooke for his waffling commentary in 'Return of Fish Market' (possessor of many great fins)...prnicious prraynham...rm(footprints)crook(in charge of the vice squad)...boff, our rabbit procurer...

...next, in order of decreasing insignificance...the conspirators for the eve/night/morn...(metre)cal barrett...rag(weed)white...mike(descending)rose... a bird in the hand is worth two in the BURLOAF...dave(who trusts that bunny and boff are in separate beds)...ludwig von zopfault (no relation to the san andreas fault)... and the incomparable, indestructible, inedible randall S. mcdougall...

We roffed and we boffed and we blew a whole night's sleep (but the 'bun's still up)...
mathNEWS unconnects