Friday July 29, 1988.

## โఇaฺthil:



LookAhead

| Cinema Gratis | Closed for the term |
| :--- | :--- |
| Fed Flicks | Closed for the term |
| MathSoc | July 29 Brunswick House at the Bombshelter <br> Check the MathSoc Office door <br> for hours during exams <br> mathNEWS Thanks to everyone who helped <br> during the term. <br> Good luck during exams. Rick |



## Party Passtimes

Well, another term gone by. Socially speaking, we've had an immensely successful term (with certain noted exceptions). The Frosh party, Bingeman Day, the Nuts ' $n$ ' Bolts pub, the volleyball tournament, Canada Day, and our barbeque all went off without a hitch. Most of the thanks for this fact should go to Pat Szwyrlo who did most of the important work while I just stood around and tried to look busy.
As for the rest of the term . . . well, there's only one event left. The Brunswick house comes to the Bombshelter today, starting at 7:00. There will be a darts tournament, and Irene \& Carla look-alike contest, door prizes, fish \& chips dinners ( $\$ 1.50$ ) and of course, lots and lots of frosty brown liquids (at a very reasonable price indeed) for the low, low admission price of $\$ 0.25$. So, if you haven't made any EOT plans yet, or you get tired of waiting in line at Fed Hall, come on out to the Bomb ... er, Brunswick House and have a great time on us.

Jumpin' Jack Flash and Pat

## Fed Stuff

In their neverending quest to beat Laurier in Shinerama, the Feds have decided to give $5 \%$ of Fed Services sales (Fed Hall, Bombshelter, Scoops, Campus Shop, Record Store) during Orientation to Shinerama. This will likely be about $\$ 5000$.

Fed Hall will be running an honest-to-goodness, accredited Oktoberfest this year. From Friday Oct. 7 to Saturday Oct. 15 Fed Hall will be wunderbar. UW students get in free every night while others will pay $\$ 5$. Now you won't have to go off-campus.

And here's a surprise. For the umpteenth time in the last few years, the Feds are looking into having another referendum on joining CFS. (They're thinking of making it an annual event.) Let your views be known or we'll end up wasting thousands of dollars and killing dozens of trees for no good reason (and yes, they still don't have weighted voting).

Did you know-we now have a new ombudsman, Matt Erikson (our old VPUA coming back from his high level government job).

Brett Martin

## Soc Toc

Good Morning! This is our last chance to address you this term. As such, the first thing we'd like to mention is that there are plenty of ways to get involved in MathSoc next term - as a class rep, an office worker, social event helper or even an executive. We hope that the successful events that we've had this term, and the services we provide entice you into getting involved. If you're interested, talk to us now (MC3038-3039) or at the beginning of the winter term. Your involvement is crucial to your continued enjoyment of life as a Mathie. If you have a complaint about anything we do, then we encourage you to help us do it better. Don't assume that someone else will do it. Get involved!
On the social side, everyone had a great night at the CFNY Nuts \& Bolts Pub. If you missed it (or if you didn't), you're cordially invited to the Brunswick House/End-of-Term/Cheap Beer Night on Friday. See Party Passtimes for exciting details (call now). Anyway, we had fun this term: hope you did too. See you next winter.

Mary-Jane, Paul and Darryl

## Chair Chat

The class of ' 89 has about 10 months left, less than that if you're counting to the end of exams. That's it. That's all. On May 27, 1989, we'll be strutting across the stage and kneeling to Dougie Baby. Some of the smarter (or crazier) people among us are committing themselves to an M.B.A. Some of us are going golfing for two months, and still others are "doing Europe". You may not realise it, but our time here is nearly over.

The next time most of you attend a class here, you'll be sharing the room with the strange breed known as 4 -stream students. Be kind to them. When you meet them, they will already have done four of their very last eight months. Most of us go crazy after four months here, so imagine how they'll be.

Coming up in the Winter term, we've got the standard pizza days, a couple of 4 B parties to get acquainted with the other stream, maybe a road trip and, of course, the MGB. If you have any suggestions for events, let me know. As a reminder, graduation is going to be expensive. Most of you have put out up to $\$ 50$ this term, but still have to look forward to your grad portraits, 4 B parties, maybe a grad ring, your MGB ticket, your MGB tuxedo/dress (pick one), maybe a limo for the MGB and some good old UW memorabilia (if not for you then for your parents).
I'd like to thank all the people who helped out over the term. If we continue to get this help, next term should go very well.
Well, good luck on your work term: save lots of money, don't forget to get your grad interview forms completed and take lots of pictures for our yearbook over the term.
Have a good one,
Ritch

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Editor: Richard Milhouse McTavish

## ProfQuote Competition

The Final Chapter

On Tuesday July 19, I had the pleasure of awarding Larry Smith the first ProfQuote award for the first "Most Quotable Prof" award. The bombastic Smith, who won the competition with 11 quotes printed this term, overcame his initial embarrassment in time to make a lengthy acceptance speech, thanking "all the little people" (those around his height) and even (although an undertone of fear entered his voice at this point) the dreaded Water Terrorists of Waterloo.

Rounding out the top six are: Rob Brown-5, Cutler-4, Furino-4, Hoffman-4 and McKiernan-4. Well better luck next term.

Until next time, keep listening and keep submitting.
"You divide by $\mathrm{n}-1 \ldots$ How do you do division?"
Berman C\&0270
"Why did you let me do that? You just like to see me screw up, don't you?"

Buss CS240
" $123.25,86,68$, BINGO!"
Cutler STAT231
"Every time I think of the Kernel I expect to see a bucket of Kentucky Etied Chicken go by."

Cutler MATH234B
"Only a fool . . . well, that's a bit harsh. Only a slight twit ..."
Cutler STAT231
"There's a lot of money to be made by screwing other people."
Dorp ACC372
"Does anybody know what building ' MC ' is?"
Epp-Tiessen RS100E
". . . eventually you're going to have to say no. Girls, I want you to pay particular attention to this."

Honsberger C\&O230
"Amazing isn't it - that I could actually get something right."
Seger CS358
"I suggest you do not design circuits with glitches, it's like coming to work with your fly open."

Seviora ELE323
"It was a pretty subdued audience . . . then again, they didn't take 20 hits of acid like I had."

Shepperd C\&O342
"If the interest rates were $1 \%$, could you lower it to $1.5 \%$ ?"
Smith ECON102
"Boy, oh boy! Kick me in the head!"
Smith ECON102
"I will describe these two in a non-biased objective way, which is hard to do because it is so inherently goofy."

Smith ECON102
"Normally outside of this course, people don't care about this shit"
Willard PMATH 430 !

## Volleyball Tournament

## A Smash Hit

Thanks to everyone who participated in last Monday's MathSoc volleyball tournament. All 12 teams who had entered their lists by the Wednesday before played for an invigorating 4 hours. A 3 game round robin broke up the teams into $A$ and $B$ division. The elimination round then began. Competition was fierce. The following teams emerged victorious:

| A Division | B Division |
| :--- | :--- |
| Bob | Fearless Fighting Frosh I |
| award: a MathSoc | award: a UW Math |
| medallion | Society glass |
| and a UW Math | and a pen |
| Society glass. |  |

I'd like to thank everyone who turned out and to all referees who helped. Special thanks to MathSoc for their after-tournament referee's conference at Fred's.

Pat Szwyrlo Social (if you didn't know)

## Artsie Math

Any Mathie understands intuitively that $11+2-1=12$, and any Engineer with a working calculator can figure it out. But did you know that Artsies can also understand this equation? Watch and be enlightened.

Ross the Artsie figures like this: ELEven plus two is eleventwo. Take away one is elvetw. And that makes twelve. Ta-da. Child 's play.

## An Apology

I, as editor of mathNEWS, would like to give my apology to Angie Wong for comments written about her in the UltraClassifieds in mathNEWS last issue. Over the term, the UltraClassifieds were used in private jokes among Angie and her friends, and in the end, they went too far.

Rick McTavish


## Campus Question

Today's question : If you were polyester, what kind of prof would you want to be worn by?

Answers :
Economics prof (Seems appropriate. No apologies to Larry Smith.)
Chris B
Chemical Engineering (so he could make me himself.)
Mr. Goofy
Tom Selleck (University of Hawaii.)
Karen S
Laura Allen . . .sigh
Swami Brock
Who cares, as long as she's female and I'm tight-fitting.
Rick our new editor whom we like so much
Winston Cherry (He looks so sexy in his pants already. I like the way his butt wiggles when he erases the chalk board.)

Carol G
Math prof (I would be worn all term.)
Sue K
A hot looking artsie prof (who sweats nicely on a hot day.)
Steve J Math prof (I wouldn't be lonely in his closet.) Frank K
MBA (It looks businessman-like.)
Yugo I
Fine arts prof (how else can you get so many colours?)
Troy B
Myself (always neat and never wrinkles.)

A Math Prof

## IAT ${ }_{\mathrm{E}} \mathrm{X}$ Reaches mathNEWS

Your Friday morning friend mathNEWS has again climbed the ladder of technological progress. This time, troff has been abandoned in favour of $\left[A T T_{E} \mathrm{X}\right.$, a typesetting macro language developed by Leslie Lamport under TEX, the typesetting language developed by Donald Knuth.
A recent trend has developed of people changing from troff to the more versatile $I A T_{E} X$. $I A T_{E} \mathrm{X}$ has been developed for use on many operating systems, including many microcomputers such as the ATARI ST. Major advantages of the system include device-independent output, simplistic-but-powerful macro definition capability, and extensive mathematical typesetting capability. A specific advantage to mathNEWS is that we are now able to produce two column output, thereby reducing our imagen printing charges.
I hope that you enjoy the new look to mathNEWS. If you have any comments or suggestions for improvement, please let us know.

## The Universe

## A lesson in logical thinking

A. The universe is, after all, ultimately logical.
B. Like, no way, dude. It's like, emotional, eh. Get into it.
A. I must protest, friend. It is surely rational and predictable. Science proves that we can comprehend the universe using pure logic and
observation.
B. Yeah, dude, but you're like missing out on the fundamental nature
of life. You're not seeing the true nature of of life. You're not seeing the true nature of, like, everything.
A. Can I see or experience or theorize about this 'fundamental nature?'
B. I told you, man, you groove it. You don't microscope it. You don't logic it. You be it, dude. Yeah, heavy.
A. Then you have no rational proof of this nature?
B. Like, in an emotional universe you use emotional proof, dude. You don't need a rational proof. So like I prove it's an emotional uni-
verse just by grooving with the flow. verse just by grooving with the flow.
A. But no rational proof.
B. Like dude, in my emotional universe, have you got non-logical proof that you, like, exist? Like can you prove it without any of your
scientific methods?
A. Er.
B. Can't do it, eh. Can't groove. Well like then as far as I'm concerned you don't exist. Bye.
A. But-
B. Yeah dude?
A. Can you prove you exist in my universe?
B. Like why bother, man. Who wants to live by logic?
A. fades to the sixth floor of MC, B. lives happily ever after with a pure math degree in southern California. The end

Tandy
Ed note: Hear no evil...

## mastHEAD

## I've had fun

It's the end of term and the end of mathNEWS Volume 47. I would like to thank everyone for their support while I struggled through my first term as mathNEWSEditor. It has been a term of changes (new office and the switch from troff to $\mathrm{IAT}_{\mathrm{E}}^{\mathrm{X}}$ ).
I'd like to thank all the people (and their favourite stations) who showed up for this last production night: Frank "sir" Letniowski (WOOD), Karen Smith (4-star general), Mark Kerbel (Gas (as in "Gasoline alley"), Mike Dean (CIXX), CJ Fievoli and his friends Ron Jeremy and John Leslie (WTTK - Los Alamos, New Mexico), Tom Vandeloo (WKRP), Marlis (Q107), Pete (Resolute Bay), Don Marks (-ary), Trevor Green (K102), Brock Johnson (K-7 (the one with all the tribbles)) and Ross Maye (Hits FM 97.7).
I would also like to give thanks to Little Caesar's and Brenda for the doughnuts. Extra thanks go to Marion and Graphics Services for getting mathNEWS printed on time (and early once) even when we gave them the issue much later than usual.
Well for the last time, have fun, good luck on exams and my favourite
tation is Citytv. station is Citytv.

Rick McTavish

Editor mathNEWS

## Token Math team kicks butt!

The Engineers, who had made the fatal comment that "The Mathies were just throwing in a token volleyball team", ate their words at the Engineering "Salad Bowl" volleyball tournament last Sunday. The Mathie team had to win four matches to get into the finals. The final match was played against the Geo-Engineers: the first game was won $15-2$ by the Mathies, and in the second game the Mathies rallied from a 10-4 deficit to win the game and match 15-13.
The Math team consisted of Lindsay (Gretzky) Johnston, Frank (Pepperoni) Dionisi, Adam (Swinger) Wong, Chris (Ka-Boom!) Denys, Ruth (Ace) Rempel and Joe (4-bricker) Alvarez. In light of the results, it is considered doubtful that Mathies will be invited to the next Engineering Volleyball Tournament.

# Commercials We Would Like to See 

First Guy:
Yesterday, my friend L.C. introduced me to my first Möbius Light Strip and showed me how to do this.
The first guy makes a Möbius Strip from a piece of paper he has in his hands and looks up, proud of his achievement. L.C. looks on somberly.
L.C.:

Today we do Klein Bottles.
Möbius Light, for a single sided strip that doesn't weigh a lot.

## Newsflash

Deepthot

## Headlights for ducks?

I swear, this is a true story This past Monday I took it into my head to bike through Village One. I do this trek fairly often, with little mishap. Monday, however, I heard quacking. Such a sound is, I know, normal around UW, but still, it seemed to be coming towards me fairly quickly. Now we all know that speed in a duck is not normal, not even in a hungry duck, not even a duck looking for a high. They prefer acid. Anyway, as I was about to go under one of the overpasses, this duck appeared flying full tilt towards me, through the pass.
It was not as though I had a lot of room to navigate, but I managed to stop in time and said duck veered off. the Collision was successfully averted.
But the episode made me think. Consider: People are always complaining about us bikers, but the ducks walk cheerfully and nonchalantly across any road, with one, five, or twenty ducklings and nobody says boo-all. Bikers, though, are awarded the privileges of neither pedestrian nor car. To bikers, they say: Stay off the sidewalk and out of the road. This is no fair.
It is my opinion, then, that ducks need to be outfitted with headlights, reflectors, horns, helmets and all the other paraphernalia associated with powering yourself around campus at high speeds.
After all, ducks are sort of a campus resource, aren't they? It should be our responsibility to protect them. Why else but to feed and admire these great and noble beasts do people come to UW? Co-op fees? Cafeteria food? IBM jobs? CMS? Unix? Drought? Rain? The male-to-female ratio? CS? Calculus? Nay, it is the ducks who call us, who outweigh the above list of. .
Well, on the other hand, maybe they don't. Right then, I'm off to Berkeley.

## Ritch's Bitches

Let's talk. Let's talk about the atrocity next door nicknamed The Davis Centre. Some people think it's pretty. I think it's pretty ugly. Not only is it ugly, it's useless to the majority of people on this campus-the students. If Dougie baby really wants so much research and relations with the business sector, maybe we should just sell the campus to IBM. At least then we wouldn't have to go through interviews; we would just go work for the machine.

Apart from being an eyesore, there are several minor points about the Billy Building. To get photocopies now, you either have to wait half an hour in MathSoc or hike a mile to the library. Our copy of the Eaton Centre is worse than the sixth floor for finding rooms. Even now that maps are put up, if you can't read upside-down or sideways, forget it. Every morning and evening you can hear the windows and siding pop and around noon you can take a sauna in the walkway from the MC third floor. Also, the room with leather chairs across from the library is a reception area and bar for visiting businessmen; no student are allowed!
I could take all of these flaws in a building if it didn't take so much to build. Here are some steps that could have been taken to reduce costs :

- no room numbers on stairwell and hallway doors
- get rid of the pink pillars that go nowhere
- buy a few colours of paint in bulk (not 300 )
- put 3 or 4 receptacles per room (not 11)
- do not carpet the whole building; it will have to be replaced every
few years
- do not give exit signs their own pole
- bar stools ??!
- keep it as a parking lot

Here are some steps the builders took to keep costs low :

- don't install ceilings so you can see the air ducts
- don't buy a new fridge for the faculty common area on the second floor
- buy 1 plastic plant instead of real plants (no use in using all that sunlight)
- hire a high school drafting student to draw up floor plans and maps
Although I don't appreciate the DC, I must admit is has some positive
spects : aspects :
- the library facilities are excellent (except for the washrooms)
- air ducts are mathie pink
- red benches are comfortable
- more room in the MC
- the 2 auditoriums are very good (if they ever start to be used)
- it gets the profs out of the MC (but now you must go further to see them)
- your favourite colour is in there somewhere
- there are no signs of Fred in the DC
- you can now get from the Grad Club to the MC completely indoors
- it gives you something to bitch about

I just have one question : should universities spend $\$ 50$ million on students and learning or on profs and business research?

## UltraClassifieds

UltraClassifieds are presented as a free service to Math students. If you have anything you would like included, write your ad down on a piece of paper or anything that's handy and submit it under the door of the mathNEWS office (MC3041) or in the BLACK BOX across from the 3rd floor lounges.

Corollory to Occam's Razor: When given a choice between two Razors, choose the disposable one.

Deepthot
If you have a half price sale again, ( $\$ 0.40$ is it now?) I'll come up to Ottawa again. Thanks for a good time!

You Know Who
I'm a rather excellent person \& you better realize that I do excellent things. I'm God \& I'd better get the credit I deserve.

Paul Martin, 3A Chemical
Are you a F. O. B. in distress? Call $747-1051$ for the answer to life. Makes my days, okay okay.

The Random(s) Generator
"Abe": Please, please stop excreting phlegm. Please, for the sake of the country.

For M. Chidichimo in MATH 230B:
What it is, okay? Well, the stats are as follows:
Total for month of June 1416 okays
Total \# of classes 12
Average per class 118 okays
High Score 159 okays (June 13)
Low Score
61 okays (June 1)

Average per minute 2.6 okays
Prof. Chidichimo's Fan Club

## YOU BASTARDS!

(Ed Note: Chris no longer lives in Sudbury, so send your orders to Kitchener.)

And now ... the July WTW Obituaries:
Tues. 12 A Keenerette in CS 334 (our first female victim, so she wins a rose)
Wed. 13 Chris "Stat Man" Rosenquist, in STAT 331.
Wed. 13 John Herbert, in the comfy lounge. John is survived by his roommates and the MathSoc exec.
Tues. 19 Mark "Birthday Boy" Brewster in EL 101
Tues. 19 Mark "The Knife" Mototsune, after his contract back-fired.
Wed. 20 Prof. "Are You Guys Planning Something For ME?" Oldford
Thurs. 21 Jerry Slusarek, N1 Don, while entertaining (ahem) a guest
Mon. 25 Mark \& Glen, two Astro nuts, right after the Movie of the Week
Wed. 27 Prof. Oldford, yet again. Have we no mercy?
We'd like to thank the many satisfied customers we've helped over the term, and hope to serve the rest of the faculty.

## A Look At The Fall Movie Season

With a new workterm soon upon us, people will once again have plenty of time to watch movies (especially if they work for the federal government). As always, Hollywood has scheduled lots of movies to be released this fall in order to keep our Tuesday nights busy. However, the key question is : what will these movie be like?
With the writers' strike still continuing, production of new movies is almost at a standstill. Movies are currently being filmed using scripts from non-unionised writers such as film students, and the existing scripts that were previously rejected by every film studio. The fall movie season will then consist of "summer rejects" and movies that were planned to be released this summer, but were postponed for some mysterious reason. As a result, the fall movie season looks very bleak.

Even if the writers' strike finally ends, it takes several months to write a script and sometimes even longer to revise it. Even with a finished script, it must get the green light from a studio in order for it to be filmed. Therefore, it is unlikely we will see many "new" movies for the rest of the year. In order to get movies in the theatres for the Christmas season, the film studios will probably concentrate on revising the existing scripts instead of writing new ones.
My advice to you is to take full advantage of the remaining summer movies and if a quality film does appear next term, you must see it since you never know when one will occur again.

That's it for me this term. Good luck on your finals everybody and remember, if you are in Ottawa this workterm, save me a seat in reviewer's row.

Dr. Movies

## Car Rally Results

Yup, another successful Car Rally is over and guess what! Daryl \& John lost again (Always a bridesmaid ...).

Twelve cars arrived at the start line Saturday, July 23 and they all managed to finish.
This year's winners are: Driver - Paul Cudmois and Navigator Giovanni Cirel. They finished in 1 hour, 50 minutes. Second was Daryl Erwin and John Herbert; third was Rich Liversey and Laurel Williams.

Results and Rally Answers are posted outside MathSoc. First, second and third place medals should be ready today!

Brett Martin


## Waterloo's Adventure Game

## mathNEWSquiz \# 5

(Or: Score that one E-7, Jerry.)

Holy cow - it's the last issue of the term. Do you know what that means? Good - I don't. Seeing as I'm not around here as much as I used to be, there won't be a squiz this issue, mainly because I'm not here to publish the answers. But the answers for last week are readily available:

1. 8
2. Ernie
3. Football
4. Red
5. Baron Pierce De Coubertin
6. Ethiopia
7. They were held in Australia
8. Kathy Kreiner
9. It was a fish that was considered extinct, but was found again in 1933.
10. Hiroshima
11. Abe Vigoda
12. Anthony Quinn

This week's mathNEWSquiz Expert Certificate goes to AUIDD who scored 9 correct (wow). Other submitters include Herc and a bunch of other guys ( 8 - I said "coveted," you morons!), Gleep Warp (6), Manute Bol (4), The Misspelllinss (4), and Casey (0). Guido can pick up his prize in the MathSoc office.

To that end, I would like to turn over the mathNEWSquiz to $\ldots$ Well, anyone that wants it. In the name of continuity, it would perhaps be best if an undergrad took up the job. Please - it's not that hard. I can think up most of the questions on my way over here. Anyone with a trivial mind (did I say that right?) can do it. It's been a real enjoyment (and mental strain) to do it this past year. Woould like to stay, but, hey, time rolls ever onward. Take care of yourselves.
(Oh yeah - reveal my half of the alias.)
One - Armed Phil AKA Chris Fievoli, AKA the mathNEWSquizmaster

## CSC Flash EOT

Another mathNEWS, another CSCFlash, another term. The Computer Science Club's -D Dinner (that's End Of Term) went of spectacularly well, with guest Lyn. Williams, and the CSC even picked up the tab for our desserts! So why weren't you there?

Anyhow, a week ago Tuesday we had Kelly Booth speak to us on the direction of First- and Second-year Computer Science Courses. If you want more detail, there's another article in this issue which covers this more fully. So why weren't you there?

We are coming close to the close of this term, so I guess we should tell you all of future plans-so far for the Fall Term, we have Bill Gates lined up to speak on the 8th of November.
In closing, thanks all for joining the Club if you did, and if you didn't, well buzz off and why on earth are you reading this anyway? The CSC should still be around come wintertime, and you can get another membership then.
Until next term, from Computer Central..
Calum T. Dalek
Chairman

## Save Our Class

The July 8th issue of mathNEWS contained an article which devastated the moral majority of the Frosh ' 87 Math class. The article referred to a "select" group of Mathies, who were referred to as "geeky", "weiners" and, worst of all, "Engineers".
This same group has been of concern to their classmates. Not only do they upset the serenity of the comfie lounge, but they also create havoc in the classroom. This goes beyond the reasonable distractions of "keener bingo" and "prof football" and extends to such pettiness as paper airplane fights and burping contests. These are truly acts typical of ENGINEERS.
Something must be done to preserve the sanity of the Class of ' 92. Last week's article hasn't helped; maybe C\&O 230 will. Let's just hope something can be done before it's too late to save the reputation of our
entire class.

1st year Mathies concerned about pizza and beer.

## Top Ten Top Ten Lists

10. Top Ten Famous Explorers Buried on the UW Campus
11. Top Ten Ways to Make a Skinhead Cry
12. Top Ten Recipes For Cooking Things Found Under Your Front
Porch
13. Top Ten Ways to Sharpen a Pencil Without a Pencil Sharpener
14. Top Ten Fun Uses For Toxic Waste
15. Top Ten Prison Initiations
16. Top Ten Chemicals in David Crosby's Bloodstream
17. Top Ten Nudist Camp Full-Contact Sports
18. Top Ten Reasons Why the Frosh Wrestle in The Comfy Lounge
19. Top Ten Top Ten Top Ten Lists

CJ \& HobGoblin

## The BLACK BOX

Dateline: Winter 87.
A big ape (engineer) ripped down the great BLACK BOX. Dateline: Summer 88.
Once again, the great BLACK BOX resides across from the comfy
lounge for your convenience.


## Cryptic

hopefully not the numbers...

## Across

1. No you eat donut! (4)
2. Alarm sleeping circuits! (5)
3. Peaceful oyster (4)
4. Is golden Eastwood really sane? (7)
5. Any sourceless light seen every evening (7)
6. Assassins on Strike (3)
7. Laughter from hydrogen in the ozone (6)
8. Basil, I can't get the sand out (6)
9. Distant back-up pilots (3)
10. Ye son answers all $(2,3)$
11. Choose the visitor with two left feet (5)
12. Doubly level (5)
13. Eye competition on tv (5)
14. Naturally callous - though beautiful - woman (
15. Ailing lass (3)
16. Lure blind kid into ambush (6)
17. Glowing insect is correct (6)
18. Red death (3)
19. Ghost from zero-degree Manitoba gets you (7)
20. Destroy a ranch? Why? (7)
21. Look for the turbaned one (4)
22. Checks around yaks (5)
23. Blue-shifted data (4)

## ?

Down

1. I flipped at Marineland (7)
2. Before ten, try to hit Lynn (7)
3. Fish jumped bridge (4)
4. Crushed cans it ain't (4)
5. Pretend staple is Bardot (7)
6. Springtime in mountain route yields expected exam result $(3,4)$
7. Scratch my torso (6)
8. Stare martini-soaked at wood (6)
9. Mirage contains army (3)
10. Opponent drives sickly Winnabego (5)
11. Last spike gradually pounded (5)
12. Resistant meditation (3)
13. Currency used in icebergs (3)
14. Apply us each to a job (3)
15. She wants retribution (3)
16. Weak light (6)
17. Put a real stove there (7)
18. Steven tells future (6)
19. Girl's guy (6)
20. Sensible artilleryman travels quickly in neighbourhood (7)
21. Later! We need spice! $(2,5)$
22. She climbs (3)
23. Donald Van Dyke is you, not me (4)
24. Say, energy equation is simple! (4)

## Conventional

numbering system

| Across | Down |
| :--- | :--- |
| 1. Nice | 1. Farewell |
| 3. Next | 2. Describe |
| 6. Fate | 4. Follows |
| 11. External | 5. Swirl |
| 12. Porpoise | 7. Maintains |
| 13. Negative | 8. Land |
| 15. Quick | 9. Fourscore |
| 16. Fortified | 10. Kindly |
| 17. Lie | 14. Boxer |
| 19. Each | 17. Odd |
| 22. Salt | 18. Swamp |
| 25. Duke of York's | 20. Struggle |
| 26. Red | 21. Exercise |
| 29. Ooze | 23. Chum |
| 32. Pronoun | 24. Resistance |
| 34. Clock | 26. Amount (2 wds) |
| 35. Autocrat | 27. Ridged |
| 36. Lid | 28. Painful |
| 38. Frees | 29. Liqueur |
| 39. Sort | 30. Dash |
| 40. Conceal | 31. Beg |
| 41. Cracked | 33. Eggs |
| 42. Direction | 36. Ruler |
|  | 37. Stop |

Across
1.
11. External
12. Porpoise
13. Negative
15. Quick
16. Fortified
17. Lie
19. Each
25. Duke of York's 20. Struggl
26. Red 21. Exercise
29. Ooze
2. Clock
35. Autocrat
36. Lid
38. Frees
39. Sort
41. Cracked
42. Direction

## Gridcomments

last one, folks

Well, here we are, last day of classes and some of us with a psych 101 midterm in a few hours. Ack. Good luck, mates and primates, in all exams and papers and whatnot. In two weeks we're outta here!!! Yay, yah, etc, etc. Then all off to work terms at IBM. Goody.

Anyways, here we go, the last grid of the season. All proofread this time, I hope, and yes two solutions this time, so maybe it'll last you twice as long (ie two seconds instead of the usual one, as is claimed). Massive apologies about last time, for the numbering, and the references, and the number of solutions, and so on, etc, etc. All I can say is it won't happen again for the whole term (I hope) coz I'm now paranoid about sending any mistakes out again. Okay? Forgive?

Now then, enough groveling and on to business. We have received a couple more solutions from the week before, a conventional by Tina and Barbara and a cryptic from Red Dog. Both had some wrong answers, so no prizes. This week we got eight solutions: Butterworth \& Ho ('71 and '80), Beowulf Schaeffer, the ghost speaks twice and bows too!, Denise 2B Math, Manute Bol 4A, The Misspellers (you're pleased, aren't you, that I made worse mistakes than marveloos?), Casey with one wrong, and Mr. Goofy, who didn't hand it in but says he got a mere thirteen wrong so I said I'd put his name in anyway.

Fave raves: Bears, Dave Rave of course, and who, me? Comments: Tookey-tookey! (please please please explain), and various complaints about the state of the clues which I again apologize for. Okay, solutions this week won't actually get mentioned in a mathNEWS because there won't be any more this term. No prize, either, then.

Last order of business, last gridwinner this term: Denise 2B Math. Yay, fanfare, etc. Come to MathSoc and get your prize (if you really want it) (heh heh heh). This week this prize is... the billding! Nice gilded thingamabob. Very pretty but otherwise no real use. Like any other trophy. Actually that's my idea to get rid of it; I think they'll just give you a neat little tie pin thingy.

Okay, that's it, go study. The end.


Then, late one night, all the mathies ditappeared...


Phindol

