

math NEWS

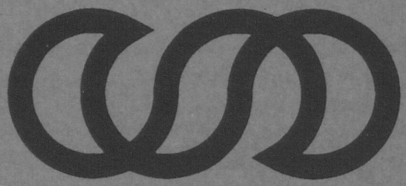
Volume 62, Issue 4

Friday, 9 July, 1993



lookAHEAD

mathNEWS	
July 21	Issue #5 Writers' Night 7:00pm, abel lab (MC 3008a)
July 26	Issue #5 Production Night 7:00pm, abel lab (MC 3008a)
July 30	Issue #5 (the last one!) hits the stands
Math Faculty	
July 30	Last day of classes. Yippee.
August 2-14	Final Exams, you lucky dogs.
MathSoc	
July 23	Is anyone reading this?
Co-op	
July	Second Rounds



Computer
Science
Club

A Student Chapter of the ACM

CSC Flash

Come on in and see!

Greetings! The CSC is agog with all the fun and activities going on.

By the time you read this, you'll probably have missed our sysadmin's talk on how to surf the internet via gopher. gopher is a useful tool, and when we probably corner him into to doing the same talk again in the near future, you should be there!

I was disappointed with the miserable 11 MB in files I found on the printer queue upon my return from a wonderful weekend on the CSC yacht. But that's not as important as the 17 MB we have left on the CSC disk. Yes! 17 MB can be yours for a LOW LOW price of \$2.50 per megabyte plus a \$1.00 transaction fee*.

Not only can you get quota, but you can get access to staplers! Yes, I said staplers. But wait! We have a heavy-duty stapler for you to staple those heavy-duty assignments. We have a three-hole punch, for your use. Our telephone can be used by you. Yes, all these wonderfully available items for your use, if you become a member. Become a member today! But that's not all! Our hours are far superior to MathSoc's, and you can actually get to use these fine office supplies and accessories. Our library becomes a vast abundance of knowledge available at your fingertips. All these priviledges can be yours, so become a member today!

But to prevent myself from sounding like a used-car salesperson, I'd like to point out that we will use your membership fund towards such things as an ethernet port for our heavy-duty stapler. This would give us the honour of being the first organization to have a stapler on the internet. Additionally, I hope that our sysadmin will go talk to John Leddy about whether or not we will get funding for a potential computer. If not, our sysadmin will have to be exterminated! Exterminate! Exterminate!

* See your local CSC, MC 3036 for details!

Calum T. Dalek

Editorial

Finally, some real math news!

For the first time that I can remember, *mathNEWS* actually has some math news to print. In case you missed it, Fermat's Last Theorem was proved (or announced as such, anyway) on May 23rd by Andrew Wiles of Cambridge University. His proof has yet to be published in a mathematical journal, but most experts agree that the proof is correct.

This problem (that the equation $x^n + y^n = z^n$ has no solutions in positive integers with $n > 2$) had remained unsolved for 350 years, stumping the best mathematicians in the business.

In other news, Canada Day has come and gone, and our country is a scant 126 years old. We have our first female Prime Minister, and budget cuts in Ontario that will force most of us to cut back a little (meanwhile, being *mathNEWS* editor pays a whole NOTHING, so I'm not *that* worried).

The next issue will be coming out on the last day of classes, and so will be the last issue of the term. That makes this week's set of puzzles the last ones of the term (unless I feel really generous around exam time...), so get your submissions in to the BLACK BOX preferably by the next Writers' Night (see the look-AHEAD for this and other important dates).

Ian Goldberg, Editor
and working on the Twin Primes Conjecture

Letter to the Editor

If there is such thing as a "computer geek," is there a "math geek" or "pure math geek"?

(First, to verify your antecedent, there is such thing as a computer geek, more properly called a "CS Geek". In fact, many members of the Computer Science Club are proud to be CS geeks. The phrase has more negative connotations than perhaps it should. However, according to an ex-executive of the Pure Math Club, the appropriate term for the Pure Math equivalent is a "Pure Math Goofer". I hope this clears up any insomnia you may be having over this. — Ed.)

Thanks For the Memories

This is just a quick note to thank all the Canada Day volunteers who actually showed up last Thursday. When all was said and done, there were about 35 000 people around Columbia Lake, and there were less than 200 volunteers to serve them all.

All of you are superheroes, and you all deserve a pat on the back for your excellent work and giving up some of your valuable time.

Thanks again. (My brain is mush right now, because I got a cold from the Sponge Toss. Grrrr)

EC and Pat

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Editor: Ian Goldberg

Prez Sez

I'm just back from my only holiday of the term. I went to Ottawa for Canada Day and did Ottawa type things. While I was away, many other brave mathies helped at the Canada Day festivities here. I have it from a reliable source that they were a big success even though they were 100 volunteers short from last year. If you plan to be in Waterloo next year, plan to volunteer.

We have many other events this term that you can show up for or help out with. We have a blood donor clinic in the campus centre on Monday July 12. Please give blood. We want to make sure that Math has the best turnout. Our next Euchre tournament is Wednesday July 14. Sign up with your partner across from the C+D for good fun and great prizes.

Our math pub is on Saturday July 17 in the Bombshelter. That also happens to be orientation retreat weekend so come and join us at the Shelter. It should be a lot fun for on-stream and off-stream mathies. See you there!

Math is hosting a special presentation of "Off Base" at noon on Wednesday July 21 in the comfy lounge. This "Single and Sexy" type play explores the problems of acquaintance rape. So come out, enjoy the play and get informed.

MGC Yearbook committee still needs pictures of the grads. That pop-up centerfold of Eric was not an idle threat! Bring your pictures into the MGC office or put them in the MGC mailslot in the MathSoc office.

Finally, our proactive VP Marco wants to update and improve our exam bank. If you have any old midterms or exams, bring them into the MathSoc office. They would be much appreciated.

Only 3 weeks left of classes!

Monica Rooney
MathSoc Prez

socTOC

Midterms are over! MIDTERMS are over! **MIDTERMS ARE OVER!**

Hey all! Congrats to all you out there that survived your midterms, and all of you who didn't. The summer term is winding down, but we aren't done yet with our summer activities.

With any luck, we will be buying some new BBQ's for the remainder of summer, and I assure you it will be **HOT!** Pizza and BBQ days are planned for every week for the rest of the month, and maybe even more. Look around for more details.

And there will be another Euchre and Bridge Tournament in the Comfy lounge, Euchre on the 14th and Bridge on the 21st. Come one, come all. You can't use midterms as an excuse anymore.

There will be another *Incredible* movie night in a couple of weeks. Check the walls for details on that one.

We are also going to be taking over the BombShelter on the 17th (Saturday). There will be a Dart tournament, Shuffleboard tourney, and great music all night long!

What else? I don't know, but if something comes up and bites me, I'll be sure to let you know. Ciao for now!

Slave Boy

[Since Slave Boy forgot to do it, it falls to me to thank all the dedicated people who volunteered for our Canada Day festivities. We had 100 fewer volunteers than compared to last year, but due to the great people we had help us out, and their hard work, we made it a tremendous success nonetheless. Thank you everyone! Hope to see you again next year! — Curtis Desjardins, Canada Day Operations Manager]

ActSci Club

Keep July 17th open. As that's the day the ActSci Club is going to SPORTSWORLD!!!!!! For the super low price of \$10 for ActSci members and \$14 for non-members you get: a bus ride to and from Sportsworld, unlimited waterpark (waterslides, wave pool, hot tub), unlimited Mini-golf and amusement rides. PLUS one batting cage token, one lap on the Go-Karts and 20 minutes on the driving range. The bus leaves 9:30 at the Math Loading Docks and returns at 4:00. Tickets may be purchased at the ActSci Club office (MC3030) or from Jill, Ingrid or Walter. Its going to be tons of fun!

Also coming up this month, there will be a slide presentation of previous ASNA conferences. This will explain what ASNA and the conference are all about.

For all who passed exams Congrats! For all who didn't come buy me a drink at the Shelter it will make you and me feel better. But my point is, we need all your old Actuarial study materials, Actexs, etc, so that the Actuarial library can grow and help you more.

See ya at Sportsworld!!

Jill

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Faculty of Mathematics

Dean's Honour List

In recognition of outstanding academic achievement throughout their undergraduate careers the following students did "GRADUATE ON THE DEAN'S HONOUR LIST" at Spring Convocation, May 29, 1993 and have their names displayed in gold on the walls of the Faculty Colloquium Room (MC 5158).

BALDWIN William Jonathan	HC AM/CS
BIRSAN Dorian	H C&O&CS
BRUNSTING Raymond J.	HC CSCI
CARON Nicole Jeanne	HC TCHG
CUSCIANNA Aldo	HC ACT SCI
DAVISON Timothy S.	H AM/PHYS
DEMAITER Elaine Mary Rose	HC TCHG
EBBO David Serge	H COMP SCI
FITTON Peter Ernest	H O R&ECON
FONG Philip Wai Leung	HC C&O&CS
FREDERICK Stephen Robert	HC CSCI
GLAISTER Ian Matthew	H AM&CS
HAWKINS Michael David	H ACT SCI
HENSON Kae Anne Louise	HC TCHG
HILL Betty-Jo	HC ACT&AM
KENNES Carl Louis	HC ACT SCI
KLUMP Stephen Robert	HC AM&C&O
KOELLER Judith Ann	HC TCHG
KONG Wun	H ACT SCI
KUCHARIC Cheryl Marie	HC TCHG
LANDRY Bruno Stephan	H ACTS&STA
LARSON Johan G.	HC C&O&CS
LEE Gregory Thomas	H CS&PMATH
LEPPINEN David Michael	HC AM/ENGG
LIN Ka-Leung	HC CS/EL E
LIU Wayne Biao	HC PMTH/CS
MCCARTHY Thomas Stephen	HC AMATH
MEREU Stephen Wesley	HC CS/EL E
MICHAIL Amir	H COMP SCI
MOHAMMED Asad	H ACTS&STA
MONTEIRO Manuel Jules Savio	HC ACT SCI
OOL Soo Liang	H CS&O R
PALDUS Barbara A.	H AMATH
PASCAL Jodie Karen	HC OP RES
ROBERTS Coilin Donald	HC TCHG
ROCKE Denease	HC M/CA/C
SHAH Nikhil	H PMATH
SPRINGER Colin M.	H PMATH
TAE Paul Robert	HC AMATH
TOLONE Elizabeth	HC OP RES
TOMLINSON Stephen Ivan	HC CSCI
TRINH Van Tai	HC CS&STAT
WANG Herman	HC CSCI
WILLIAMS Damon Grant	HC ACT SCI
WINGER Gary Bruce	HC AM&CS
WONG Eric Fong	HC CS/INF
WONG Vince	HC ACT SCI
YIU Sze Chun	H C&O&CS
ZHANG Yang	H COMP SCI
ZUBERI Khalid	HC AM/CS

"Speaking of bars, I shouldn't have hit one last night."

P. Farrell, STAT 231

"Suppose you want to blow up your computer ..."

Ming Li, CS 351

In recognition of outstanding academic achievement throughout their Undergraduate careers the following students did "GRADUATE WITH DISTINCTION" at Spring Convocation, May 29, 1993.

BOS Audrey Joanne	HC TCHG
BRISLEY Kevin Scot	HC CS/INF
BUTCHER Thomas Matthew David	H PMATH
BUTTON Darryl Douglas	HC ACT SCI
CAMILLERI Mary-Lou	HC TCHG
CHAN Po Sang John	H CS&STAT
CHOW Shu Cheong Terance	HC CS&OR
CHRISTAKI Chris	HC ACT SCI
CLARKE Timothy William	HC ACT&ECN
CUMMINS Peter Daniel	HC C&O&CS
DAWSON David Matthew	H M/BA(IN)
DI LISO Maria	HC OP RES
FRASER Stephen D.	HC M/BA/I
GIBSON Geoffrey M.	HC ACT SCI
GODFREY James Andrew	HC C&O/CS
GRANDMAISON Peter Michael	HC AM/CS
GUDZ Jennifer	HC AM/ENGG
HEISE Gregory Michael	H ACT SCI
HILL Warren John	HC TCHG
JACKSON William	HC MTHFFCH
KIM Thomas	HC ACT&STA
KRAY Jansen	H COMP SCI
LAPENSEE Mathieu Conrad	HC AM&STAT
LEITMAN Robert Kenneth	HC CSCI
LEROUX Daniel	HC CS/INF
LORBER David A.	H COMP SCI
NEWMAN Myrna Marie	3 YR GENERAL
NIDD Michael Elton	HC CSCI
PANKO David John	HC OP RES
POLLNEY Denis	HC AM/PHYS
RAVIGNAT Damien	H COMP SCI
ROLLS David A.	HC TCHG
SEA Erik Andrew	H COMP SCI
STANTE Anna Marie	HC ACT SCI
STEPHENS Bradley John	HC TCHG
STEVENS Wayne E.	HC CS/EL E
SVEKIS Laila Sandra	HC M/MA/O
TAYLOR Scott Douglas	HC CSCI
TREFFRY Michael David	HC C&O&CS
TSE Herman Tin-Wai	H ACT SCI
VAN BELLE Theodore B.	HC CSCI
VON SCHILLING Erik C.N.	HC ACT SCI
WARRACK Lynne Margaret	HC M/BA/I
WELLSTOOD David Ross	HC C&O&CS
WONG Man Tsun Jonathan	H COMP SCI
WU David C.	HC C&O&CS
YOUNG Carmen Min	H C&O&PMTH

continued on page 6

"I have given you this problem and we just found the solution... wasn't that easy. All we had to do was remember everything we learned in linear algebra."

Moskal, MATH 235

"If you've got a big tumour, come over to my house. I've got a big knife."

Nguyen, ECON 201

Pseudonymity in mathNEWS

Has It Outlived Its Usefulness?

Ever since the dawn of time (or, to be more specific, my days as a froshling, which is good enough for our purposes), the dedicated writers at mathNEWS have signed their articles with amusing pseudonyms. When I first started writing here, I stuck with the habit for a couple of reasons. The first was that I was the new kid on the block, and didn't really want to make waves. I was nervous, and a little bit worried that my articles would not be up to snuff. (Things have changed now, of course: any nervousness has long since vanished, and I no longer worry that my articles aren't good enough. In fact, I don't really care.) The second reason is still valid: more people out there in MathLand know me better as Flipper than as Steve. I don't have any problem with that, partly because there are so many freakin' Steves out there that it's sickening, and partly because it really bothers my Mom that I have such a stupid nickname.

I'm starting to think that maybe using a pseudonym wasn't the brightest idea, and that encouraging the use of pseudonyms may be bad editorial policy for mathNEWS. I'm proud, for the most part, of what I write, even though it can at best be considered fluff. Whatever its quality, it does take a fair chunk of my time to write, time that could be better spent in the Bomber. And believe me, coming up with different articles that have some sort of humour value centred around adolescent views of beer and sex gets a lot harder with time. After all that work, I'm not sure if I want the credit (or the inevitable shit that gets thrown my way) to go to the cetacean star of that groovy 60's TV show.

During recent conversations with certain administrative personnel, the issue of the pseudonym has come up repeatedly. It is unfortunate, but some people may be getting the impression that I'm hiding behind my pseudonym. Of course, that impression can be excused given the historical use of pseudonyms: people using them usually had something to hide. And I encourage the use of pseudonyms in those areas where they are appropriate, a good example being the author of "The Zone." This column was originally started last term, and the author's anonymity let him or her attend Council meetings with impunity. The identity of the current author of "The Zone" is more or less an open secret, but the principle stands: there are times when it is desirable for a writer to escape any potentially damaging publicity.

Having said that (and man, isn't this article starting to drag on?), I think that in most cases, writers have a responsibility for everything that they write. No other papers in the region (whether they be campus papers or "real" papers) allow the use of pseudonyms except in extraordinary cases. Perhaps it is time that those of us here at mathNEWS start taking more responsibility for what we write. Signing our real names to our articles will (hopefully) force us to think more about what we write, eventually increasing the quality of the paper.

So I'm going to start signing my articles as you see below. That's the way my name has been appearing the mastHEAD for a while, and I don't think that anybody's going to get too upset over having to read my full name — or at least those two or three of you out there who actually check the author of the articles.

Finally, I figure that if I start signing my full name to my articles, the Gazette will eventually get my name right. Last term I was an "anonymous co-op student", and last week I was "Flipper, a mouthy columnist in MathNews [sic]." Hell, if I keep at it for long enough, maybe they'll refer to me as "Steve Shaw, that prick over at mathNEWS."

Steve "Flipper" Shaw

Why I Think Flipper is a Big Asshole

After reading Flipper's last musing, I and all of my friends actually considered a ritual killing as a form of Friday night entertainment. I must do what Flipper says — his writing is hypnotic. Flipper says ritual killing is good; ergo, I must start ritual killing. Flipper says masturbating is good; thus, I masturbate. I am masturbating right now! (Please note the severe sarcasm of those first few statements... well, except for the last one.) Like 98% of loyal mathNEWS readers, I read Flipper's articles and think, "Boy that Flipper is one funny fucker." Unfortunately, the other 2% think, "My word (they don't swear), that Flipper advocates ritual killing; we must stop him before he turns all of society into degenerates." Here's a Muppet News Flash for you — we already are degenerates!

Flipper is a big asshole and he should be proud of it. Assholes tend to be far more humorous than non-assholes (the anally deficient?). If one were to try to write something humorous without offending anybody, do you know what you would get? Puns: about as popular as mimes. We could have a whole mathNEWS issue dedicated to the pun. Nostradamus predicted these puns. Puns through the Dark Ages. The Great Irish Pun Famine. This day in pun history. Hug a pun today. How the pun won the war. I hope this would make those 2% (I like to call them the Society of Humourless Incompetent Turds, or SHIT for short) happy. So to all you SHIT out there, when you read something you find offensive, please don't go crying all over campus; organise all of your enlightened opinions and write something for mathNEWS. People are always complaining there isn't enough SHIT in there now.

In summary, Flipper is an asshole, but he isn't SHIT.

Acid Tongue



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continued from page 4

In recognition of outstanding academic achievement during the Winter 1993 term, the following students qualified for the Dean's Honours List.

ADATIA Sadiq	LEUNG Eric Sze Yin
ALLEYNE Jason C.	LEUNG Peggy
ANDRESS Margaret C.	LING Chi Hung Alan
BART Bradley Stephen	LOU Jie Jay
BECKER Matthew W.	LU Fletcher
BLANEY R. Kyle	LUNG Florence Sau Chi
BOCCANFUSO Joe	LYNCH Gerard Thomas
BOSLAND Marcus Jomo	MACKAY James George
BOURDON Sean Eric	MAGUIRE Andrew C.
BRANDOW David John	MEHTA Atul Kishor
BRIGGS Scott Raymond	MEREDITH-JONES James R.
BUTTON Darryl Douglas	MEREU Stephen Wesley
CHAN Ho Fai James	MICHAIL Amir
CHAN Kai-Chung Petrus	MILLEY Peter
CHAN Sze Sze Ada	MOHAMMED Asad
CHANG Andre	MONTEIRO Manuel Jules S.
CHAU Wayland	NEBELUNG Mark Rudolph
CHOW Gabriel Hoi-Yan	NG Ho Lai Leo
CHU Kenneth Chung-Kan	NGUYEN Minh Duc
CHUI Bo Yue Janis	NORONHA Jorge Manuel
CONG Hui	PARSONS Kimberley Joy
CUMMINS Peter Daniel	PARSONS Todd Lawrence
CUSCIANNA Aldo	PASCAL Jodie Karen
DE JONG Greg	PATCHETT Mark E.
DI TULLIO Giuseppe C.	PAUL Brenda Lee
DYKSTRA Yolande	PECK Michael MacAlister
ERICKSON Julie B.	PIGGOTT Janice A.
FARRELL Alana Christina	POON Stanley Ka Hung
FITTON Anne Marie	PRETTI John-Paul
FITTON Peter Ernest	PRIEKSAITIS George William
FLOYD Janice	PROOS John A.
FONG Yuen Fay	REYNOLDS Diane
FOSTER Mary Ellen	ROHLF Katrin
GAMMAGE Simon	SABOURIN Lousindi Rose
GANATRA Rina V.	SCOTT David Andrew
GAUDET Dean	SILGARDO Sebastian F.
GOLDBERG Ian Avrum	SONG Charles J.
GUENTHER Lawrence A.	SOURELIS Constantinos
HALL Eric	SRI-SKANDA-RAJAH Anya K.
HARE Kevin George	STACKHOUSE Shawn
HAWKINS Michael David	STANLEY Laura Lynn
HINCHCLIFFE Margaret	STASTNA Marek M.
HIRJI Rahim	SUMNER Reuben Avrum
HO Kai Fai	TAE Paul Robert
HSU Leon Cheng-Lin	TELLA Srikanth
HUANG Po-Chih George	TO Siu Lun
HUI Wai-Ho Joshua	TONG Kit-Ying Priscilla
HWANG Robert	VAN EGMOND Stephen
IP Jeffrey T.	VANDERPOST Gerald Peter
IRVING John Charles	WAHBE Andrew Albert
KAPLAN Craig Steven	WALJI Aziz
KAPLIR Rishi	WHITE Casey
KERR David George	WONG Kai Ching Andy
KLUMP Stephen Robert	WONG Kwok Chung
KOBE Veronica B.	WONG Victor
LAKOTA Hrvoje	YAP-CHUNG Nicola Grace
LAM Cheuk Ying	YAU Chung Jason
LAPENSEE Roxane	YEUNG Ka Yee
LAU Oi Ting	YIU Sze Chun
LAU Sok Hoon	YOUNG Carmen Min
LAU Tin Chi	YUEN Hamilton
LEE Gregory Thomas	ZHANG Hao
LEPPINEN David Michael	

In recognition of outstanding academic achievement during the Fall 1992 term, the following students have been added retroactively to the Dean's Honour List.

MAK Floria MOHAMMED Asad

Apologetica

Flipper Replied a Bit Too Vehemently Last Time

In my article "And Flip Responds" in the last issue of *mathNEWS*, I stated that I "no longer think that Mr. Klawitter is a complete idiot." In no way did I mean to imply that Mr. Klawitter is, or has ever been, an idiot of any calibre. It was my way of saying that I have found new respect for his skills in his job of co-op co-ordinator due to his presentation concerning the new co-op process.

I apologize to Mr. Klawitter for this insensitive and inappropriate expression of my assessment of his abilities.

Steve "Flipper" Shaw

Peeves of studying in the sun

- Suicide prevention and crisis interveners talking you out of getting a tan.
- Spilling your sun lotion on your notes.
- Having to go inside for class. (Try talking your professor into an 'open-air' class)
- The hole in the ozone layer burning through your notes.
- Eating more sand than recommended for your diet in beach volleyball.
- Squirrels ganging up to demand food (...or yer house will be chewed down!) instead of meekly begging.
- Computer labs not being open-air. Also, extension cords being needed to run yer heavy-duty calculator outside.
- Loose pages that need to be weighted down to avoid being blown away.
- Sun getting up earlier in the morning, necessitating that window shades be used to get that proper sleeping-in snooze.
- Having to study instead of playing volleyball or lazing about in the sun.

Sun-damaged mathie

mastHEAD

Another Night, Another mathNEWS

Well, we had another fun night tonight. The machines were down again, but that's kinda to be expected around here. We're still here (not having started layout yet) at 12:15 am, because some people forgot that grids are due on *Writers' Night!!!*

We had the normal assortment of misfits out tonight, much to our delight. They (and their favourite thing to do on a long weekend) were Curtis Desjardins (puttin' the top down on my 'Vette and cruisin' for babes), Monica Rooney (throwing myself in front of a train), Stuart Pollock (sit back and have a nice brew... hey! that's Flipper's answer!), Darren Rigby (I get on one end, a friend on the other and we stretch it longer 'til it's out of shape), Carolyn Duke (getting out of town), Steve "Flipper" Shaw (drinking beer, just for a change), the "Phil" (hunting village ducks when nobody is around), and Colin Brace (I have a truly wonderful answer, but this column is too small to contain it).

Thanks also to everybody we missed, to Marion up at Graphic Services, and to Gino's Pizza for the terrific 'za we had.

Ian Goldberg (the computers are fast when no one's here ... you figure it out)

Math, the Universe, and Everything

Beer. Man, Do I Ever Love It!

I know that beer may not be the answer to all of the world's problems. Not everybody likes beer. Some of us like it too much and end up drinking so much that we wake up in the morning beside an underage distant cousin. But I digress.

I'll start over: beer is great. Whatever day God created beer, he was on the ball. It was probably on the same day that he created breasts, Nintendo, and rye, those being the three things that I like almost as much as beer. In fact, God probably created beer, and went on a three-day binge, culminating in the creation of the first platypus, the first kumquat, and, after a few more beers, the first New Democrat.

Beer's effect on today's society is severely under-rated. Think of all the times that beer has played an important part in your life.

Your First Beer

Everybody remembers their first beer. For some it was a bonding experience with Dad: he gave you a beer as a reward for cutting the grass, shooting your first helpless mammal, or not telling Mom about the extra help that your Grade Eight French teacher was giving him. For others, it was another rite of passage shared with the same folks with whom you played "Doctor", "Soggy Biscuit", and my personal favorite, "Doctor Soggy Biscuit." And for a select few, it was just another way to relax after a hard day at kindergarten.

Why Beer Is So Great

Everybody knows that beer tastes great, and and that can get you really really drunk. But few know of its other, mystical properties. First, beer will prolong your life. Of course, the net benefit of this is smaller than anticipated, because you will be unable to remember wide stretches of your life. Also, it makes your breath fresh and minty, and makes you irresistable to members your the preferred sex. Also, it will turn you into a great athlete and get you invited to all the fun parties. For proof of these last points, I present Exhibit A: the beer commercial.

Canadian Culture At Its Best: The Beer Commercial

Nothing typifies Canada as well as beer commercials do. It's one thing we do better than anybody else in the world. Whether they involve scantily clad members of both sexes frolicking in the surf, or a bunch of friendly folks singing in a pub, beer commercials encourage the irresponsible consumption of dangerous amounts of alcohol. Just like Red Hall.

Of course, the anti-Christ of beer commercials has got ot be those goofy "ice beer" commercials, wherein the breweries prove that they think the beer-drinking public has the collective IQ of an eggplant. According to these fools, a cold-filtered or ice-filtered or ice-brewed or yellow-snow-filtered beer or whatever *will actually taste colder*, while the traditonal brewing process will leave you with beer that is constantly too hot to drink. Well, duh. And all this new technology does nothing, because the beer they produce still manages to taste like cardboard. Give me a 50 any day of the week.

Match the Beer With the Drinker

You can tell a lot about a person by the kind of beer that they drink. Here are a few examples:

- **Export:** The lonely man's (or woman's) beer. Great for drinking alone.
- **Blue:** Drinking this implies serious mental problems. Anybody who drinks Blue is probably a convicted child molester.
- **50:** The beer of farmers, rural Quebec, and certain mouthy mathNEWS columnists.
- **Canadian:** Trendy beer. Beer for the non-beer drinker.
- **Sleeman's or Brick:** Drinkers of these beers do their best to support local industry, no matter what the cost to their intestines is.
- **any "Ice" or "Genuine Draft" beer:** Look out! The drinker of these beers is probably very stupid, insane, and/or severely inbred.
- **any light beer:** Beer with fewer calories and less alcohol? What's the point?

Bad Things About Beer

Um, sometimes you get a mouse in your beer bottle. Well, at least that's what they said on *Strange Brew*, and if you can't trust Bob and Doug McKenzie, who can you trust?

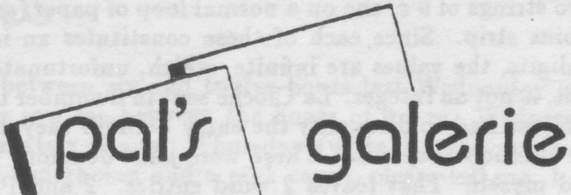
And I'm sure there's plenty of other bad things about beer, but I can't think of any right now.

And Now For the Disclaimer...

Due to a lot of negative feedback I've been getting, I've decided to include a disclaimer with every article. So here we go with Flipper's very first disclaimer:

Okay, don't take the article too seriously. I am not really advocating the irresponsible consumption of beer. Hey, drink rye or tequila instead. It's a free country: it doesn't matter what you drink, just as long as you drink enough to make you violently ill.

Flipper



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Better Results

That's more like it.

Alright!! I knew you could submit contest entries if you really wanted to!

First, the results of the crossword maze. There were five theme entries in the grid. Neither Swifty & Mighty Moe nor 2 & Phage got any of the entries. Ziv Zero got 1 (ELECTRIC YOUTH) but Pokey & Phil Collins managed to nab all 5! They get the first of our three mathNEWS prizes this issue.

The most recent CLOD contest was our most popular yet. The answers (that were correctly answered by someone) were:

1 point	Divorce Manual	50 Ways to Leave your Lover
	Pulse	Rhythm of My Heart
	Where'd It Go?	You've Lost That Loving Feeling
	Boomerang	Come Back To Me
	Baby Mozart	Rock Me Amadeus
	Searching	Hunting High and Low
	(7.)	Seven
	Searching	I Still Haven't Found What I'm Looking For
	Searching	I Know You're Out There Somewhere
	This Town ...	Somebody should Leave
2 points	Kiosk	Stand
	Double-Edged	Cuts Both Ways
	Wilting	Fading Like a flower
	Ass over Teakettle	Head Over Heels
	Siamese twin	How Am I Supposed To Live
	Dilemma	Without You
	Updraft	Wind Beneath My Wings
	Over Your Head	Straight Up
	Tight Stitches	So Close
	Who's the Pervert	Somebody Touched Me
	Describe the Unicorn	Tell Me Lies
	An Advance	Alone

And the results: Pilot in Hell (in Hull) got 7 points, Swifty & Mighty Moe got 9, Ziv Zero got 14, Pokey & Phil Collins got 19, Cathy Jamieson got 20, Phage & 2 got 22, and our winner, Mortimer Icabob at the End of the Universe scored 23 points. I was amazed at how someone managed to get the Prince song. The original puzzle was supposed to be numbered, there were supposed to be quotes around "Let Me Taste Your Wares" and the Call letters in the title were relegated to being a mere lower case word. Some might say the puzzle was editor challenged. I wouldn't.

Finally, there is a small matter of the greatest integer contest. There were four entries. Live from Ottawa...HAMMER! submitted two strings of 9's, one on a normal loop of paper, another on a Mobius strip. Since each of these constitutes an infinite string of digits, the values are infinite, which, unfortunately for HAMMER, is not an integer. La Clôche sent in a number in base 110. Again, we had to disqualify the entry because they did not define the symbols they used. These were joint decisions by my editor and myself. That leaves 2 valid entries. 2 and Phage's integer had 8153 digits and they were incorporated into a set of pictures, and the density of the digits formed the shading. Very nice, but not a winning entry. AiY more than doubled that effort with 17,000 digits (I gave up counting when I verified 8154 and took his word for it.) The three aforementioned winners can pick up their prizes at the mathNEWS office.

This issue, there is a new crossword maze, and another set of songs to title. As last week, the unanswered questions are worth 1 more point, 2 of the questions are now worth 3 points each. And following my editor's orders, there is another optimum integer contest. This time submit the smallest positive integer that was not submitted by anyone else. As always, send your submissions to the BLACK BOX.

Gridby

S	A	P	A	A	D	E	E	A	P	A	B	O	F	A	E
I	W	A	S	B	O	R	N	T	O	B	E	W	I	L	D
G	A	R	L	D	N	R	T	V	T	E	D	L	S	A	I
N	R	O	E	U	A	O	A	S	S	D	C	S	H	M	T
R	E	L	E	C	T	R	I	C	Y	O	U	T	H	O	O
A	C	E	P	T	E	S	L	H	S	C	T	A	A	T	R
P	O	S	C	L	S	C	D	E	T	T	O	B	B	U	S
I	N	T	H	E	P	R	I	M	E	O	F	L	I	F	E
D	I	A	I	G	I	A	V	E	M	R	F	E	T	T	O
B	C	R	S	E	R	Y	E	O	M	C	S	I	S	S	U
R	S	S	E	N	I	O	R	P	A	R	T	N	E	R	L
A	P	B	L	D	T	N	T	P	D	A	E	G	S	O	B
N	R	R	E	W	C	A	C	O	C	D	V	E	A	M	O
D	E	A	T	H	O	F	A	S	A	L	E	S	M	A	N
Y	E	T	C	O	W	T	T	E	P	E	N	T	E	N	D

profQUOTES

"I apologize ... I'm sorry ... I take that back."

Moskal, MATH 235

"DESPG means Desargian Projective Geometry, not Desperate Geometry!"

Hoffman, PM 360

"Excluded by a ring ... not around the collar, but around the singularity."

Aczél, AM 332

"Where the Hell did that E come from? ... Is my proof right?"

Moskal, PM 330

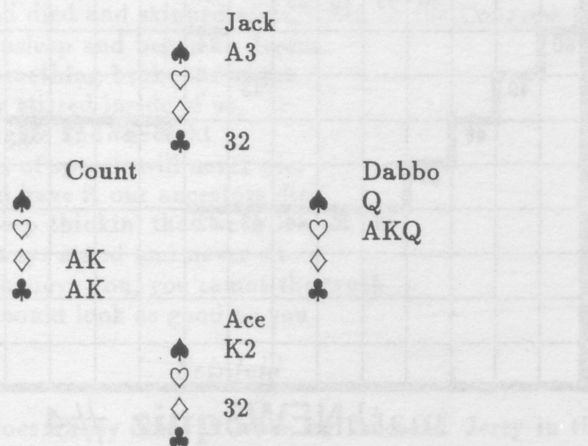
"The Final Frontier ... the Divergence Theorem!"

Chidichimo, AM 231

Ace in the Hole

It was a dark and stormy day. The birds were swaying in the breeze, and the trees were singing a joyful song. With a day such as today in the air, Ace was sure to get his fill of Strangeness at the bridge table.

Sure, enough, on the first board, this was the layout with 4 tricks to go:



The play to this point was strange in itself, but the upcoming play was even stranger. Ace was to play from his hand, and he needed the rest of the tricks. See if you can find a way (with best defense) to accomplish this feat.

If not for that pesky Queen of spades, Ace could take the rest of the tricks on a cross ruff, but he can't do that anymore. Leading a diamond is useless, as we have to ruff high in dummy, and we are left with a diamond loser in our hand. Similarly, a small spade doesn't work, as the Count just throws a diamond, and Ace has to lose a trick, no matter what. BUT, look what happens if he leads the King of Spades. If the Count throws a diamond, Ace plays low from dummy, pulling the last trump, and ruffs a diamond making his 3 high. and he can ruff a club in hand to get to it. If the count, instead, throws a club, Ace overtakes the King with the Ace and ruffs a club, ruffs a diamond and the last club is good. Either way, Ace makes the rest of the tricks.

Again, the cards here could easily be switched around to make them represent a euchre deck. Perhaps there isn't such a difference between the games after all.

For all of you Euchre and Bridge fans out there, here's something for you. The next Euchre tourney will be on July 14th, and the next Bridge tourney on the 21st. Signups will be available on the bulletin board across from the C+D. Happy playing!

Ace Upmyleeve

Nice Guy,
I still love you.

Dear Streptococcus II, Sample A:

After spending this term so far away from the laboratories of U(W), I have found myself way behind in my long, slow, painstaking study of bacteria and endocytosis. I desperately need your help in extending and perfecting my research. I am looking forward to those long, sleepless nights studying you in the labs ...

HNK

Phage

Do You Want More Than 1 MB Disk Quota In The Fall?

We can help!

It is a little-known fact that the Computer Science Club sells disk quota for use by anyone with an account on the undergrad machines. When you go off-stream, your quota will drop below 1 MB. Starting this Monday (July 12), the CSC will begin selling quota for the Fall term. For the first week, quota will only be available to people who have bought quota for this term, and wish to extend it to next term. After that, anyone who wants quota can buy it, until we sell out.

This disk quota is perfect for storing downloaded files, games, gifs, or what have you. The cost is just \$2.50/MB (plus \$1 transaction fee). The CSC is in MC 3036/3037. We are (almost) always open, and eager to sell you quota (and a membership, if you so desire).

The CSC is selling quota in order to raise funds to replace our computer that was stolen a few years ago. We used to (and plan to, in the future) provide Internet UNIX accounts to students and clubs/groups who don't have them. Please support our efforts to restore this useful service.

The friendly people at the CSC

Revenge of Grandson of CLOD

Are these titles getting old?

Identify these songs based on their transmogrified titles.

1 point each

- | | |
|---------------------|-------------------|
| 1. Fairy Tale | Sinead O'Connor |
| 2. Law of Magnetism | Paula Abdul (duo) |
| 3. Dessert | Crowded House |
| 4. I'm in Trouble! | Beatles |
| 5. Tranquility | One to One |
| 6. Flower | Bette Midler |
| 7. I'm in Trouble! | Madonna |
| 8. Astronomer | Amy Grant |
| 9. At the Buzzer | Bonnie Raitt |
| 10. I'm in Trouble! | Fleetwood Mac |
| 11. Detergent | George Harrison |
| 12. Orbiting | Frozen Ghost |
| 13. Pony Ride | Commitments |

2 points each

- | | |
|-------------------------------|-------------------|
| 8. What Watson Asked Bell | Anne Murray |
| 10. "Let Me Taste Your Wares" | 1910 Fruitgum Co. |
| 11. Once | Elton John |

3 points each

- | | |
|-------------|------------------------|
| 3. Cardioid | Jackson Brown |
| 4. Take Two | Mike and the Mechanics |

Gridby

LOST: between six and twelve hours last Wednesday night. If anybody saw me between the hours of 9 p.m. Wednesday and approximately 7 a.m. Thursday (when I woke up in a ditch wearing Lederhosen and a pink cape), please tell me. I want to know exactly how my nipples got sliced off.

Flipper

To everyone:
I'm sorry !

Rapunzel

ultraCLASSIFIEDS

Press/Release

1. High School reminder
2. Fortune-telling vegetation
3. Add to the inside
4. Where keys are used
5. Relative has four extra legs?
6. It can be jagged or where postcards are sold in film
7. Number used to store movies on?
8. All
9. What you do to a key
10. Diacritical mark
11. Bright idea
12. Put a spin on
13. French pastry like lightning?
14. ___-fingered typist
15. Subject of "The Dragon" or its star
16. Hit ___key to begin
17. Notice a dog?
18. Simple hole-boring device
19. Wall or side-, for example
20. Program-ending key
21. Knight's shirt
22. Pledge
23. Vegetable habla español?
24. Sweet taste of money?
25. Sweet potato
26. Element of grammar has one jumpy?
27. Yea-say?
28. Kind of weapon never needs sharpening?
29. Astronaut who'll drop you somewhere?
30. Accountant's reference book
31. Moroccan capital
32. Where the colloquial pig lives?
33. Fluffy is an obsolete computer?
34. Smell
35. Trap on First and Main
31. He looks pale
32. Certify a company?
33. "Don't hold" it and "don't waste" it
34. Kind of card you'd take to pool?
40. That man you can always hear in church?
41. Years before
42. Kind of knot made of coral?
43. Partner of 8.
44. Insect sold at the market?
45. Leave to melt
46. Magma that gets out for a stroll?
47. Computer manufacturer
48. Key wrote the American one
49. Country within a country
50. Look for facts again?

"For example, Brian Mulroney is secretly a woman ..."

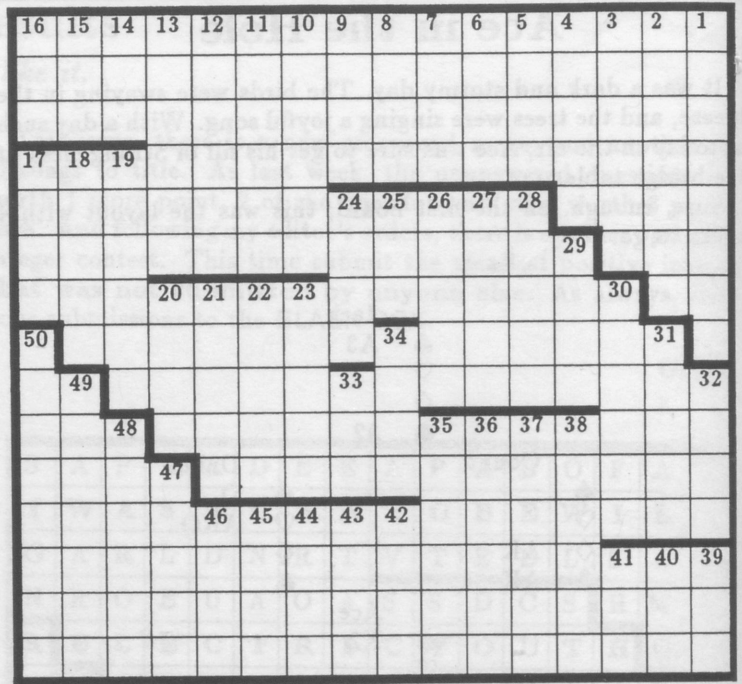
Moskal, PM 330

"It was 4 years ... no, 8 years ... no, 12 years; Gee, I'm getting old!"

Hoffman, PM 360

"You know too much. You must become more ignorant to learn."

Coffin, CS 246



mathNEWSquiz #4

There is life out there!

Hello, little squizzers! We hope you liked our last bunch of questions! Before we begin, we'd like to recognize the late submission for quiz #2 from Phil Collins & Pokey (6). Here are the people who submitted answers for the last squiz: Pilot in Hell (in Hull) (2); No-name-submitted (7); The 67 Kid (7); Batman, Swiftly, & Mighty Moe (9); Elwood (10); OPWA² & The Mad Bomber (11); Live From Ottawa... HAMMER! (13); Northeastern Exposure (13); Phage + 2 (13); Mortimer Icabob's Guide to the Galaxy (17); and the winner is... Veritable Infusion with a whopping 19 correct answers!!! You can pick up your prize in the MathSoc office!

Okay, here are the answers for last issue's squiz: **Movie Quotes:** 1) The Rocketeer; 2) The Babe; 3) Animal House; 4) Throw Momma From the Train; 5) Hot Shots; **HHGTTG:** 1) Ix; 2) Thursday; 3) Forget it; 4) Norway; 5) mice (who were in fact just a bunch of pan-dimensional travellers in search of the Question to the Ultimate Answer to Life, the Universe, and Everything); **Super Heroes:** 1) UnderDog; 2) Green Hornet; 3) Barbara Gordon (daughter of Commissioner Gordon); 4) Black Lightning; 5) Paradise Island; **Video Games:** 1) Storm, Dazzler, Wolverine, Cyclops, Nightcrawler, Colossus; 2) Time Killers; 3) Donkey Kong; 4) Street Fighter; 5) Inky, Blinky, Pinky, and Clyde; **Song Lyrics:** 1) Where in the World is Carmen Sandiego? - Rockapella; 2) America (What Time is Love?) - KLF; 3) Notorious - Duran Duran; 4) Jesus Built My Hot Rod - Ministry; 5) Jungle Man - Red Hot Chili Peppers; **Monty Python:** 1) Blood, Devastation, Death, War and Horror; 2) Concorde; 3) 1 pound; 4) More than his whole body did before the elephantoplasty; 5) Mr. Wiggin;

And here are the questions for this issue:

Cards

1. What card combination is known as a Double Bezique?
2. What is the **BEER** card, also known as the luckiest card in Denmark?
3. What is the 9 of diamonds better known as?
4. What are the extra suits in an Empire deck of cards?
5. What are the names of the suits and honour cards in France?

continued from page 10

gridCOMMENTS

Song Lyrics
(name the song and the artist)

1. Crushing all deceivers, mashing non-believers,
never-ending potency
Hungry violence seeker, feeding off the weaker,
breeding on insanity
2. Here we stand and here we fight, all your fallen heroes
Held and died and skinned alive, listen to the Congress fire
3. We fell asleep and began to dream,
when something broke the night
Memory stirred inside of us,
the struggle and the fight
4. Freedom of speech will never die,
for us to have it our ancestors died
Don't keep thinkin' that we will quit,
we'll always stand and never sit
5. I don't believe you, you're not the truth
No one could look as good as you

Seinfeld

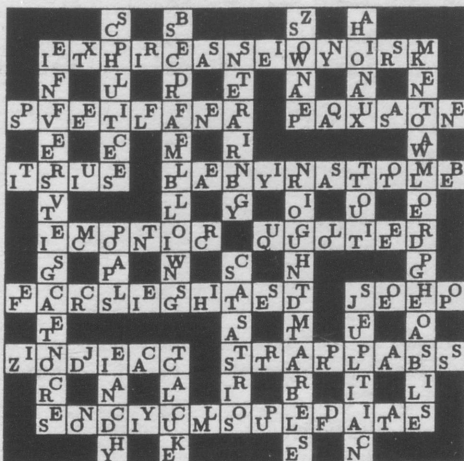
1. What does Crazy Joe yell when he "accosts" Jerry in the season finale?
2. Who was Crazy Joe quoting when he yelled it?
3. What is Kramer's last name?
4. What is Jerry's address?
5. What occupations has George had?

Trivial Pursuit

1. What anniversary is Trivial Pursuit celebrating this year?
2. In how many different languages is it printed?
3. In how many different countries is it distributed?
4. What was the name of the mini-series based on the creation of T.P.?
5. What was the original game board made out of?

Well, good luck everyone, and don't forget that this is the last issue of mathNEWS in which we are giving prizes for the term! You can submit your answers in the BLACK BOX across from the Comfy Lounge.

Harry "I Don't Want to Donate My" Organs
Slave Boy



Hello out there gridders! Since Grid-EC is bedridden with a nasty case of flu, I volunteered, (read: was nominated), to come up with a gridword on the spur of the moment. Man, it's not easy coming up with cryptic clues without a beer in the hand to get the creative juices flowing, (or flooding as the case may be). Anyway, I hope you get well, EC, by next production night! (By the way, I didn't have time to create my puzzle for this issue, but stay tuned next time...)

As for last weeks grid, there were quite a few submissions. People who sent in a conventional answer, (along with their favorite piece of edible clothing), were Swifty + Mighty Moe, Phage + 2 (2: I dunno, shirts?, Phage: Shirtcollars maybe... so many choices!), and HOOTY (chocolate underwear). Each of these submissions had two mistakes, but the grid was kinda difficult. So by random d30 roll (mod 3), I pronounce Swifty + Mighty Moe the winners!

People who sent in a cryptic answer, (again with their favorite piece of edible clothing), were POKEY & Phil Collins (We cats LOVE eating stinky gym socks), xmike (shoestring licorice), Robert Bridesow + Naoki Sato (edible watch band; edible sarong dress), The Friends of Mephistopholes (Training bras, Raspberry's best!), and Ziv Zero (chocolate miniskirts). Everyone but Pokey and Phil got the correct grid config. So again by a random d30 roll (mod 4), the winner is... Robert Bridesow and Naoki Sato! Congrats!

Some fan written GridComments:

Unsolicited: The CSC is actually a support group for those who do not understand that CS can be the most romantic subject imaginable... }

Solicited: Yes, I realize this is a CS class, but I'm just not ready for a relationship... :(

Solicitous: So, would you like to come to my place to do a little... coding? ;)

Hey, you don't have to submit a grid answer to get published, just get involved. We're a loose group of people, we welcome contributions, usually. Anyway, onto this issue's grid. For those of you who don't understand how the cryptic works, here's a sample clue:

The media personalities wore clothing. [6]

The idea of a cryptic clue is to put a direct definition of the answer with a an indirect description of the answer into the same clue. The sample above is an example of a *hidden word* clue. The answer, DIAPER, is defined by "clothing" and is contained by the words "meDIA PERsonalities." The keyword "wore" signals that the previous sequence of words likely contains the answer. Now, hidden word clues aren't the only type of clues. Look for anagrams, double definitions, sound-alikes, charades, and other trickery. If all else fails, just kick back with a beer and let those creative juices flood onto the page. Good luck!

The Puzzle Bandit

"But I don't understand ... why do we do that?"

Ming Li, CS 351

"I think Stephen Hawking's theory about Einstein's special theory of relativity is wrong. But what do I know? Just remember that if Hawking is proven wrong, I told you first."

Moskal, MATH 235

"Why don't you pay attention and correct me when I make an error?"

Aczél, AM 332

Grid Clues (Cryptic)

Across

1. The navel is a gut fastener. [11]
6. Listen for mica, algae, fox, and a short actor. [7,1,3]
7. Ahr! Give me a sorted cheer mateys! [3]
10. Quiet down, constant ruffians, a lady is present. [3]
12. Uh oh! Meg left her jewel behind! [3]
14. Out of sight, I provide food, but Eric ate right away. [5]
15. It's a dud pa! It should total right, but it's screwed up! [3,2]
16. Liam's into actresses who can alternately mimic him. [7]
17. Hark! Our "I" has gone askew. [4]
18. Remove π from the math comedy sketch, or just skip it. [4]
19. A knight in chocolately Quix? O tell me its a dream! [7]
21. Evade Caravan manufacturer. [5]
22. Stroke gently, Al, I'm fragile like a flower corolla. [5]
23. When Odin lost his head, his loud ruckus deafened me. [3]
25. The end of the ship is fat, maybe. [3]
28. This decapitating heat is chewing me up. [3]
29. Don't get caught in his tangled web, Corky. Jab the monster! [11]
31. The crooked python Carly owns has a werewolf condition. [11]

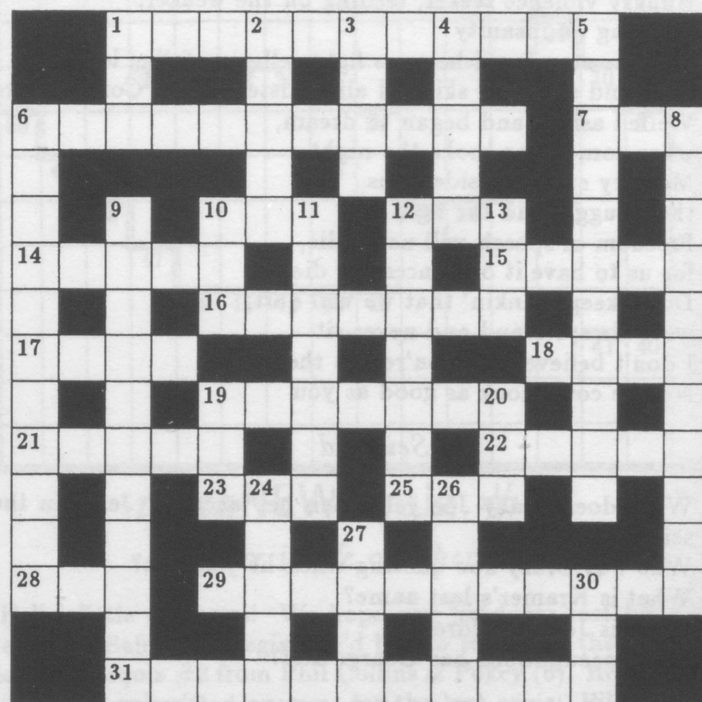
Down

1. Lighter maker now starts bragging in church. [3]
2. The worm has a drain? [5]
3. Jabba killed a bee somewhere in Mexico. [4]
4. Collect tritium, boron, and a singularity, then make me a steak. [1,4]
5. No ore? Though da coat ah heard he wore in Bismarck is still heah. [5,6]
6. Give back the crazy merc his dane, and he'll return our goods. [11]
8. Put boxer Muhammad under a dinner skewer and place in hot. Why? It's the mark of a good host. [11]
9. You can listen to the tarot duck 'till the dinosaur comes home. [11]
10. No sir, I come before Lanka. [3]
11. In this version, the flow of water turned, then charged ahead. [7]
12. I ran in a log backwards! I need an oatmeal mix. [7]
13. Legendary actress West may hear her name spoken. [3]
19. Finally! The proof is finished. Cue Edie! [1,1,1]
20. My canine companion is capable, albeit confused. [3]
24. Trump the Terrible. [5]
26. Listen. Many scream in a maniacal fit, but few roar. [5]
27. I'll wager you won't aid in the mugging. [4]
30. Don't be bashful Coty, remove your shirt. [3]

Grid Clues (Conventional)

Across

1. *Crimes Of The Heart* actress. [5,6]
6. Creative brainstorm. [11]
7. Clumsy goof. [3]
10. Liquid pigment. [3]
12. Glass container. [3]
14. A glossy coating, (on food e.g.). [5]
15. Songstress Judd. [5]
16. Region north of Silesia on a *Diplomacy* board. [7]



17. Ark architect. [4]
18. Small leaveless branch. [4]
19. Bug landscaping. [7]
21. Uranus was one in Greek mythology. [5]
22. Island with a lagoon. [5]
23. Tasha on *Star Trek: The Next Generation*. [3]
25. English fin. [3]
28. Mental powers, (abbrev.). [1,1,1]
29. New York City feature. [7,4]
31. Tired car part? [7,4]

Down

1. Distress letters. [1,1,1]
2. Wander. [5]
3. Nasty Egyptian god. [4]
4. Hello and goodbye. [5]
5. Expression of hopeful good fortune. [5,2,4]
6. Mentally creative. [11]
8. A person who's job is to organize lots of paper documents. [6,5]
9. Disaster. [11]
10. Hair gel brand. [3]
11. Latitude zero. [7]
12. *Aladdin's* love interest. [7]
13. Basic material found in cells, (abbrev.). [1,1,1]
19. Tennis ___one? [3]
20. Boy. [3]
24. Maple Leaf Gardens, for example. [5]
26. African American special interest group, (abbrev.). [1,1,1,1,1]
27. Cat and dog movie: *Mel & ___*. [4]
30. Honest president. [3]