

# math NEWS

Volume 66, Issue 1 Friday, September 23, 1994



See The  
Love Machines  
Disco Dancing  
At The Shelter...

SEE THE LOVE MACHINE  
PARTY AT **FEDHALL**



**CENSORED**

SEE THE LOVE MACHINE  
IN *Action!!*

POE  
940910

## lookAHEAD

<b>mathNEWS</b>	
September 23	Issue #1 hits the stands
October 3	Issue #2 production night 6:00pm, MathSoc (MC 3038)
October 7	Issue #2 hits the stands
<b>Math Faculty</b>	
September 23	End of course add period
September 27/28	Fall Information Sessions for Graduating Students (3:30 - 4:30)
September 30	Last day for 100% refund
October 4	Career Fair '94, 10am - 4pm Bingeman Park, Kitchener
October 7	Last day to drop a course or or withdraw without academic penalty
October 10	Thanksgiving Day (University Closed)
<b>MathSoc</b>	
September 26	Nomination Period for Class Reps and MathSoc Executive ends at 4pm Council Meeting MC 4067 4:30 pm
October 3	Council Meeting MC 4067 4:30 pm
October 10	Council Meeting MC 4067 4:30 pm

## mastHEAD

*One Down, Sixty-Eight to Go*

Wow, my very first production night. Of course, it ain't over yet. I still have to drag Goldberg out of the realtime lab and get his help in scanning stuff. Then I have to lord over Curt and Karl while they lay the damn thing out to my exacting specifications. Finally, I have to take credit for it all if it turns out to be a good issue, and blame the staff if it's a bad one. My work is never done.

Had a whole raft of people out tonight, and it was good to see several new faces mixed in with the old. Those out tonight, and the reason that they won't have sex with me, were: Erich "Fuzzy" Jacoby (he's balding), Curtis "Chewbacca" Desjardins (well...he's not really all that attractive), Stuart Pollock (he drinks 50), Moses Moore (only in Cuba), Darren Morby (why would I want to have sex with a dolphin? What? Not that Flipper? Oh. Well, I just won't!), Poesy "Crispy" Chen (I tried. He was too drunk to...), Jennifer Watters (he doesn't like popsicles), Jill "Flaky" Arnott (he says no), and Marco Koechli (he be funky!). Also out were Danny Gardiner, Nick Piquard, and Karl Zaryski, but they declined to answer. Apologies to anyone we missed - there were a lot of groupies in and out of here all night.

Special thanks go to Gino's for the excellent 'za tonight, and to Marion over in Graphic Services, without whom there wouldn't be a mathNEWS. But it's not her fault.

Steve "Flipper" Shaw, editor  
(I do. Regularly.)

## Editorial

*Engineers Are Not The Enemy*

Inter-faculty rivalries have traditionally been a large part of life at any university, and Waterloo is no exception. For decades, there has been a sense of it being the Artsies vs. the Mathies, Science vs. Rec, and the Engineers against everybody who's not like them. It is only in the past couple of years that Frosh Week (or Orientation, if you want to be a weenie about it) has been concerned more with inter-faculty co-operation than competition.

Having just come through another Frosh Week (and as a frosh, no less), I'm happy to be able to say that there has been significant improvement in the way the other faculties are represented to the frosh. As an example, very few Math frosh learned the off-colour (and homophobic) version of the Engineers' little chant that has been sung by Mathies for years. In general, the insults, shoving matches, and bad karma of previous years were absent from this year's festivities. And everybody still managed to have a great time (imagine that).

All is not well in Whoville, however. Reports of shoving, tackling, and the usual waterfights during the chariot race seemed to have had a darker side to them. The Pink Tie was included on (and quickly removed from) a couple of Scavenger Hunt lists, which wasn't too bright, if only from a safety point of view. These are just two examples of minor incidents during Frosh Week that belied the "co-operate, don't compete" attitude that the University wants us to instill in the frosh.

It has become apparent to me over the past few years that the enemy is not in the other faculties. We have more in common with other students than we have differences, and the old stereotypes of Math Geeks, Rec Morons, and Engineering Alcoholics have no place in today's university. The enemy is not in other universities, even though we like to poke fun at them. Again, we have more in common with our siblings at Laurier than we have differences. And, finally, the enemy is not the administration, as hard as that may seem to believe. The administration has the same goals that they've always had, and they honestly think that they have a good excuse for everything that they do. I'm not saying that we should blindly accept everything they do, but we should remember that they are on our side.

In my opinion, the greatest threat to students today comes not from other students or the faceless administration, but rather from the governments of this country and (especially) this province. Cutbacks have been made all over, despite the fact that investing in education is investing in the future. Tuition has gone up by several hundred dollars per term since I started, and continues to rise. Loans are easier to come by, but not much. Many of the frosh that I met during Frosh Week are local kids, unable to go to school in different cities due to the cost involved. Instead of complaining about other faculties, other schools, or how stupid the administration is, why don't we go to the heart of the problem and complain to the government. I'm not saying that it's going to do any good, but it can't hurt.

Steve "Flipper" Shaw

[OK, what happened to Flip, and who took over his brain? -  
Curtis]

## Pure Math Club

*I Have Seen the Agents...*

They're out on the patio furniture looking at their Mickey Mouse watches and waiting for the eight chained orangutans. And on a completely unrelated note, the PMC has narrowly avoided becoming a Neo-Marxist Collective.

Our new god emperor, president and holder of absolute power is Chris Hendrie, supported by vice-president and source of absolute corruption, Kevin Hare. Rounding out our triumvirate is Mike Mosca, secretary, treasurer and keeper of the imperial regalia. Hail and congrats to our new leadership.

We'll be once again be sending our finest to the field of honour, as PMC teams organized by Calvin Li (many thanks) will be competing in Broomball and Ultimate Frisbee. Come on out! Crush the enemies of the revolution!

Keep your eyes open for more enlightening, illuminating and consciousness-expanding PMC talks on a variety of topics given by students and professors alike (any speakers are always welcome) featuring FREE pop and doughnuts. Also expect movie nights, social events and games of "Pass the Bengal Tiger."

Join the PMC. If you don't, you won't be a PMC member...

Todd Parsons (PMC ex-president-for-life)

Kevin Hare (Almost ex-temporary-acting-president-for-life)

## GINO'S PIZZA

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Gino's now accepts  
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Computer  
Science  
Club

A Student Chapter of the ACM

## CSC Flash

Greetings, surface dwellers! I have returned from the Gulf of Finland to again lead the CSC to another fantastic term. I should, of course, start out by listing my new slaves~H~H~H~H~H~Hexecutive for this term.

President	Ross Ridge
Vice-Prez	Samid Hoda
Treasurer	Rob Leitman
Secretary	Tom Rathborne
SysAdmin	Zygo Blaxell

### *What you just missed*

Well, if you haven't come by any CSC events yet, you've missed five of them. Our first social event, our elections, two Unix tutorials and SIGGRAPH video night all happened in the first two weeks of classes. They were all, of course, remarkably spectacular. My CSC this term hopes to break its record, set last term, of **34 events**.

### *UNIX Tutorials*

Coming up in the next week is another Unix tutorial. It will be offered Monday and Thursday, at 4:30 pm in MC 3022. Seating is not reserved, so come early! This, as always, is a hands-on tutorial. If you do not have a Unix account, one can be provided if you are a CSC member.

### *Toronto Freenet*

Also coming soon: a talk by the man behind the Toronto Freenet. Find out how to connect, what it will offer, and most importantly, when it will be active. Watch for a date to be announced.

### *Other stuff*

Our membership is growing strong again this term. At the time of writing, it is sitting at 251 members. All are free to drop by, almost 24 hours a day, and get information, advice, or just lounge around. We could always use a helping hand, or another voice in one of our many "discussions."

### *Disk Quota*

My CSC also rents disk space to Math undergrads not lucky enough to have an unlimited quota. Drop by the CSC office, MC 3036/3037, for more information on this or any of the other services we offer. Lots of information can be found at the URL <http://csclub.uwaterloo.ca/>.

See you in cyberspace,

Calum T. Dalek  
Chairbeing

## Prez Sez

Hello, and welcome back to UW Math. Yes, Frosh Week is over and it's actually time to start working, that is if you spent \$300 and 2 hours buying text books. If not, term really hasn't started for you then!

First of all much congratulations and applause goes to our very own Frosh Leader Extraordinaire, Jane Pak (insert applause here). Thanks also go out to all the Frosh leaders, Ice breakers and Implants. Last but not least, well done BFTG (Brute Force Tie Guards) for your 24-hour vigil over the Pink Tie. Would you actually believe that people tried to break onto the MC roof with a screwdriver, and I don't mean the drink. BFTG, you can present yourself to the Dean of Mathematics for your well deserved Pro-Credit.

This term the Mathematics Society (henceforth know as MathSoc) is off to a good start. Volunteers have already signed up for most of the time to keep the MathSoc office open. By Monday we should have all the directors and the rest of the exec in place to return to business as usual.

For those of you who are new around here, let me just list a few of the services of MathSoc:

- Photocopies (cheap, only a nickel!)
- Macintosh Lab with Laser printer
- Study Rooms on the fourth floor (available to be signed out)
- Hallway and Comfy Lounge bookings
- Old mid-terms and exams from most Math courses and many popular electives are available to be photocopied
- Novelties such as: T-shirts, pencils, mugs, buttons and pins can be purchased
- Free local and on-campus telephone calls.

Also available are numerous reference books. Included are old course calendars, dictionaries and telephone directories of K-W, Toronto and Ottawa (why Ottawa, who cares).

If you're looking to get involved with some extra-curricular events this term, drop by the MathSoc office or better yet sit in one of our meetings. This term the meetings will be held in MC 4067 at 4:30 PM Mondays; all are welcome. If you need to get in touch with me you can do so in one of many ways. Try: e-mailing [mkoechli@descartes](mailto:mkoechli@descartes) or [mathsoc@descartes](mailto:mathsoc@descartes), leave a message on the MathSoc corkboard in the office (MC 3038), slip a note into my mailbox in the office, or drop in for a visit; I'm usually around. I have an office hour on Tuesdays and Thursdays from 10:30 - 11:30 AM. Most Wednesday nights you can find me in the Bomber!

Stay tuned and have a great term!

Marco C.A. Koechli  
Math Society President Fall '94

## Bad Computer Joke #1

A computer user at the University of Alberta includes this in his .signature:

Windows: Brought to you by the makers of EDLIN

Darren "Ren" Morby

## Math Grad Committee

*That's MGC'95 to you, bub!*

Welcome back, grads of '95! I hope that everybody had a good work term/ summer vacation/TV term or whatever. Eight more months (give or take) and we're finally finished!

Grad photos will be taken from September 28 to October 5. Today is the last day to sign up for them, so if you haven't booked a time slot yet, do so between 10:30 and 2:30 today in the 3rd floor hallway or outside the MGC office (MC 3029). These are the pictures that will be used in the yearbook as well as in the class composite. Don't ya dare miss it!

There will also be a group photo taken on October 5 at 5:00 pm *sharp*. Please try to be there early (say, 4:30) as it is going to take the photographer a little time to set up the shot. Copies of the group photo will be available only to those who are in it.

Anyone with pictures for the yearbook may submit them at the MGC office. Please include your name, address, and phone number so that we can return them when we're done with them.

As some of you may have noticed, this Wednesday was our first pizza day. All money made from pizza sales is used to fund social events, yearbooks, and Grad Ball, so be sure to come out *every* Wednesday to support your MGC!

Class of '95 hats are now on sale in the MGC office for the low, low price of \$15. The hats come in two colours - black with purple, and off-white with green. They say "UW" on the front, and "MATH '95" on the back. You can check out a couple of samples in the MGC display case located on the third floor. It's the display case closest to the comfy lounge. Alternately, if you keep your eyes peeled, you should see a few walking around MC as we've already sold quite a few!

As always, we need *you* to make your graduating year great. Volunteers are needed for pizza days, yearbook, social events, as well as a number of other events. Stop by the MGC office and let us know that your interested in helping out. Even if you only want to help a little, we can still use you. Come out, get involved and make this year the best you've ever had!

Greg Dinning  
MGC Chair

## FASS News

*Important Event in the Immediate Future*

FASS Fall Organizational Meeting:  
Friday, September 30, 1994, 7:30pm, Davis Centre 1301, the "fishbowl". Take part in a casual drop-in evening of "Meet the FASS". Learn how you can become involved in the production of UW's longest running comedy tradition. Newcomers welcome, oldtimers tolerated.

Paul D. McKone

## Bad Computer Joke #2

Would a C++ programmer's favourite recreational activity be inline skating?

Darren "Ren" Morby

## Scholarships for the Taking

The Student Awards Office sent along some scholarship information, and since none of us here at mathNEWS are smart enough to collect them, we thought we'd pass the information along to you. Application forms are available in the Student Awards Office, 2nd floor Needles Hall.

### *Anderson Consulting Award*

Two awards valued at \$1,000 are provided to students entering their 4A term. The recipients must be in either the Engineering or a Co-operative Mathematics Program and have career objectives in implementing change through Application Systems Development and/or Manufacturing Process Improvement. Relevant work term experience will be considered. Applications should be submitted during the 3B term. The decision will be made during the Spring term.

Application Deadline: October 28, 1994

### *The Electrohome 75th Anniversary Scholarship*

Established by the Victor Company of Japan Ltd. and Kanematsu-Goshu held in recognition of the 75th Anniversary of Electrohome Ltd., one scholarship of \$1,500 will be awarded to an outstanding undergraduate entering the final year of Computer Science courses. Applications should be submitted during the 3B term or the end of third year. The decision will be made during the Spring term.

Application Deadline: October 28, 1994

### *Norcen Energy Computer Science, Chemical and Geological Engineering Awards*

Applications are now being accepted for the Norcen Energy Computer Science, Chemical and Geological Engineering Awards valued at \$1,200 each to outstanding undergraduates entering year two or above. Awards will be allocated to students who have demonstrated a strong interest in extra-curricular activities and have evidence of leadership qualities. Consideration may be given to financial need. The decision will be made during the Fall term.

Application Deadline: October 28, 1994

### *Douglas T. Wright Award*

This award valued at one-term tuition has been established by members of the university community to honour Douglas T. Wright upon his retirement as President of the University and to recognize his contribution to the University's international reputation. All full-time, undergraduate students who have participated in an international study program may apply. Candidates, during the foreign experience, will have distinguished themselves in their work-term placement (if co-op) and may have demonstrated leadership qualities as indicated through extra-curricular activities. Second-, third- or fourth-year students will apply in the term they return to full-time study at the University of Waterloo.

Application Deadline: October 15 each year

### *Douglas T. Wright Experience in Japan Award*

This award valued at \$2,000 has been established by Joseph Rotman to honour Douglas T. Wright for the same reasons as above. All full-time, undergraduate students who have participated in a work placement in Japan or a University of Waterloo-Japan study program may apply. Candidates, during the foreign experience, will have maintained a good academic record (if applicable), will have distinguished themselves in their work-term placement (if co-op) and may have demonstrated leadership qualities as indicated through extra-curricular activities. Second-, third- or fourth-year students will apply in the term they return to full-time study at the University of Waterloo.

Application Deadline: October 15 each year

### *Sun Life of Canada Award*

This \$500 award will be awarded to an outstanding student who is entering third year of an Actuarial Science Honours Program. Interested students currently in their 2B term may apply.

Application Deadline: October 28, 1994

## Orientation 1994

*"I Will Survive!"*

WE DID SURVIVE! This year's orientation was a smashing success thanks to the support of everyone. In particular, I just want to thank the Math Faculty and the Math Society for all their support; the Feds, in particular Lynne & Lee, for all their hard work; mathNEWS for, well, just for being there; all the committee members for their ongoing dedication; and all the math frosh of 1994 who made this the best orientation ever!!!!

To all the committee members, keep your eyes open because we will be holding a reception for all of you sometime in the near future. Also, we will be selling baseball caps if any of you leaders are interested. Just e-mail me to let me know.

Thanks again to all of you who participated. I hope you all had as good a time as I did. Until next year...

Jane Pak

## We Are #1

### *MathSoc Innertube Water[polo/soccer] Begins*

Yes, we are team number 1. Every Sunday for the next seven weeks, the MathSoc Innertube Waterpolo or Watersoccer team will get wet and get wild some time between 4 and 7pm in the PAC Pool. We will be playing Waterpolo using a Waterpolo ball with our hands, or Watersoccer using a big red ball with our feet. Most likely, we will just try to have some fun while laughing at how everyone looks in a bathing suit.

I will have play-by-play update in future mathNEWS to make sure that no one misses out on the fun. For now, here are the first few game times: Sept 25, 6:00 to 7:00pm and Oct 2, 4:30 to 5:30pm. See you there!

Poesy "Crispy" Chen

## MathSoc Postings Policies

Hi folks, this is the Mathsoc's posting guy here wishing to say a few things about the policies for posing signs in the MC building. There are currently 10 Mathsoc bulletin boards and 1 housing/sales board located at MC & DC. I hope you understand the rules so that your messages will be seen clearly.

To begin, all posters to be hung must be approved and stamped by MathSoc. If no specific date is written on the posters, a period of two weeks will be given. You can request for extension. You may submit your signs anytime the office is open. Here are the numbers:

Size	Quantity
8.5" by 11" (reg)	10 max
>8.5" by 11" (lrg)	3 max
combo	3 lrg & 7 reg
housing	1 maximum
sales	1 maximum

### Locations of the Boards:

Since only three (3) large posters will be allowed, they will be posted on the designated three (3) larger boards at

1. MC 3rd Floor, near the assignment boxes and the elevators
2. MC 4th Floor, near the elevators
3. DC main Floor, near the pay phones and opposite the ICR lounge

with one (1) large poster on each board, i.e. **ONLY LARGE POSTERS WILL BE PUT UP ON THESE (3) BOARDS.** I'm sorry to say this, but the smaller boards will not have space when these large posters are up there.

The remaining seven (7) are: One outside the Mathsoc office, one opposite C&D, one facing the Comfy Lounge, two along the UNIX lab hallway, and the last ones are located at MC 2nd and DC 3rd floor respectively.

The other boards in MC that were not mentioned are not being monitored by Mathsoc, such as Fed, CSC, CSA, ASEANS, and JSA.

Here are some *very, extremely, absolutely important* things to be aware of (excerpts from the MathSoc Constitution):

1. The event and the organization's name must have English translations stated on the posters or else they will not be posted.
2. Please **DO NOT** put up signs yourself. I am here to the job for you.
3. Any unstamped posters will be discarded once I see them on the boards.
4. Due to the limited space on the housing board, only **ONE** housing ad can be submitted. (Sorry for this inconvenient policy, but there are other people who want to post, too. I might try to use the board beside the housing one when I don't have enough space.)
5. Sales ads work the same way as housing ads.
6. You can claim your discarded posters in the office. (When you are in the office to claim your stuff, why not ask me to stamp as well?)
7. Please *do not* tear down the posters yourself.

The following is my posting schedule. If you submit your signs before I take off, they will be up on the MathSoc bulletin boards on the very day you did so.

Posting Schedule (may vary):

Day	Time
MWF	1:00-1:15
T	2:00-2:15
R	12:30-12:45

And if you have any problem, feel free to talk to me. I am willing to help. My office hours are: M1:30-2:30, R11:30-12:30. E-mail: hzminu@napier. If I'm not in the office, you can leave a message on the office's board.

Thank you for your concern.

Zak

## How to Hide From Your Prof

### A Helpful Hint for Frosh

First, let me say that this is not a funny article. I am not funny myself, and any attempt by me to be funny in writing would die horribly. So if you do happen to find something humorous in this article, it's either a mistake, a typo, or you need to seek professional help.

Okay, so you've been here for two weeks now and are probably forming some ideas about your classes. Maybe you've never seen the material before and your head is spinning in circles. Maybe the prof scares you. Perhaps you spend most of the class wondering just what the prof was thinking when she got dressed that morning. Or maybe you're one of those morning people who are always bright and cheerful and you make my teeth hurt with all your bubbling enthusiasm and I just want to wring your scrawny neck until your face turns blue and your eyes bug out and... and... but I digress. For whatever reason, all you want to do is sit there, take notes, and not be asked any questions or be noticed by the prof in any way. Well, now that I've spent far too much time setting this article up, I'm going to tell you.

You know that first row where all the keeners sit? The one where everybody puts up their hand whenever a question is asked. That's where you have to sit. And you're probably noticing why right about now. Because it's about this time (if it hasn't already happened) that the profs start ignoring that first row of students. As far as the profs are concerned, that row has been shunted off into some alternate-parallel-dimension-Star-Trek-transporter-accident-thingie, and just doesn't exist anymore. You may think that you've found a good hiding spot somewhere else in the room, but it just won't work. Trust me, that's how I found out.

Danny Gardiner

## Bridging the Gap

Welcome everyone to Bridge University! This is truly the home of campus bridge across North America!

In order to be a successful bridge player, you have to have some idea about what the best way to play common suit combinations. For most people, this is an exercise in memorization, whereas for others, they have the ability to calculate the probabilities at the table. Still others ignore the percentages and play by "feel". Most experts use experience from all three groups, be it for right or for wrong.

Today's hand, from the 1991 World Junior Championship in Ann Arbor, Michigan, illustrates a situation where a player chose to go against the percentages and play by "feel".

	<b>North</b>		
	♠ K62		
	♥ K974		
	♦ KJ3		
	♣ AT2		
<b>West</b>		<b>East</b>	
♠ 5		♠ Q987	
♥ Q8532		♥ J6	
♦ T8		♦ 954	
♣ J9643		♣ Q875	
	<b>South</b>		
	♠ AJT43		
	♥ AT		
	♦ AQ762		
	♣ K		
<b>West</b>	<b>North</b>	<b>East</b>	<b>South (J.D.)</b>
Pass	1 ♣	Pass	1 ♠
Pass	1 NT	Pass	3 ♦
Pass	3 ♠	Pass	4 NT
Pass	5 ♥	Pass	5 NT
Pass	6 ♦	Pass	7 ♠
All pass			

John Diamond, representing USA II, decided to push to the grand slam despite the fact that he knew he was missing the Queen of spades (5H had shown 2 key cards without the Queen of trump, where the King of trump is a key card).

The opening lead was the 4 of clubs, and J.D. had to make a decision on how to play the spade suit. The "best way" is to play the King, and then play low to the ten (assuming East plays small). This will make the contract when East has the Queen and West has at least one spade, or West has the Queen alone. As you can see, this line of play would have been successful.

However, J.D. reasoned that West might have led a trump if he was holding two or three small. So, he played the Ace of spades, and then the Jack, and his heart fell when West showed out.

The contract in the other room was a normal 6 Spades, so down 1 meant a loss of 17 IMPs for USA II, instead of a gain of 13, had J.D. brought the contract home. As a result of this deal, Canada went on to win the round robin instead of USA II. It was all for naught, though as the strong USA II team ended up beating Canada in the final.

If all this was Greek to you, but you want to learn how to speak

the lingo, then join the University of Waterloo Bridge Club! For the low cost of \$5, you get to participate in either the Starting Up or Advanced Lesson Series, including the textbook; a funky t-shirt; free entries into all bridge games held for the next year!; and a 6-month membership in the American Contract Bridge League!

The fall lessons have already begun, but it is not too late! You can still jump on into lesson two without having missed too much. Contact me at x5094, or [esutherland@jeeves.uwaterloo.ca](mailto:esutherland@jeeves.uwaterloo.ca), and we'll get everything sorted out. If you are really enthusiastic, then pop into the MC Comfy Lounge, and try and find the bridge players in there.

There are tons of events that are being planned for fall term, with a student-faculty challenge match, the North American Collegiate Bridge Championship (where the winners could take home \$500), and the Tri-Campus Challenge between the University of Toronto, York University and UW.

So come out and join UW's hottest new club! You'll be sorry if you don't! (BTW, lessons are held Mondays at 4:30 in the Comfy Lounge)

Eric Sutherland

## Theorem

This theorem is one that I find broadly used in all fields of education. It is most often found in the area of mathematics but it can be applied to other fields of study in a fashion similar to the one stated below.

**The Change of Question Theorem:** *(To be used by profs only)* If a prof finds, at anytime, that an example now being used has an inconvenient twist for which the prof is either not prepared or just plain does not wish to deal with, he/she may apply the **Change of Question Theorem**.

This theorem states that if there exists a problem in question A, where A any example questions that the prof uses, the prof may apply this theorem to the question such that the resulting question is easier to solve. The Theorem allows the prof to change any aspect of the question, no matter how insignificant to anything that he/she sees fit.

**Proof:** is left as an exercise.

**Note:** When the prof applies this theorem, he/she does not take into consideration the writing implements which the students are currently using to take notes (ie. the prof cares not if the students are using pens and changing their notes is exceedingly messy).

**Corollary 1:** If the prof decides that it is no longer an appropriate question, the prof can abolish the question all together.

**Note:** Again when making the decision to utilize this option, the prof does not consider the writing implements of the students.

**Corollary 2:** The students have no powers whatsoever to stop or alter this process.

This theorem was written and prepared by

Marty Dupre  
with the support and help of friends

## profQUOTES

Hey, do you have one of those profs that is always saying witty, charming, or just plain stupid things? Well, write down what she (or he) says, and drop it in the BLACK BOX and you might see it in the very next issue of *mathNEWS*. Here's a selection of the best profQUOTES from the summer term:

"He chewed a gun out of the toast and shot his father."

Corning, PSYCH 101

"On Friday, it's a holiday. Make sure you take the day off."

Nathan, E&CE 231

"The point of this example is that I can't do what I'm about to do."

Lewis, MATH 138

"I will remain after class and I haven't eaten."

Corning, PSYCH 101

"I just wrote this down, which I'm allowed to do."

Morris, AM 353

"I should tape this so that when I can't fall asleep at night I can listen to it... maybe it only works on other people."

Miller, E&CE 342

"The film is old and unique; people dress funny and smoke a lot... in those days smoking was good for you."

Corning, PSYCH 101

"You are dogs, I am Pavlov."

Willard, MATH 136

"I put this question on the exam for one reason only — to lower the mark. I knew my class would botch it up, and they didn't disappoint me!"

Moskal, PM 330

"It's seven o'clock and I feel like insulting someone."

Corning, PSYCH 101

"We've talked about the structure of neurons, and then we'll talk about Punky the Salamander."

Corning, PSYCH 101

"Does anyone want to protest? I'll need your name and I.D."

Corning, PSYCH 101

"Has everyone been on hard drugs all weekend?"

Lewis, C&O 350

"It's a little bit... oh... SOUL-DESTROYING to write it on the board."

Hoffman, MATH 148

"Users are idiots. In fact, half of the users in the world are malicious idiots."

Cormak, CS 452

"If failing exams is a trend, you might think 'Maybe I should start filling out applications for Sunoco'."

Ennis, PSYCH 253

"You are going to do it — it's an office, you've got a finger and only a limited number of openings to put it in."

Corning, PSYCH 101

"Drinking too much of this stuff probably won't do you any good. But four or five won't hurt."

Hoffmann, AM 332

"The nice thing about binary is you don't have to remember multiplication tables, you know,  $7 \times 8 = 52$  and all those."

J.A. Brzozowski, CS 351

"Let me continue this process even further just to bore you all. It is Friday after all."

R. Willard, MATH 136

"You guys bother me sometimes."

McKiernan, AM 333

"You're supposed to correct me when I'm stupid. Don't quote me that in the stupid magazine."

McKiernan, AM 333

"I'll make you Mr. Binomial. Whenever I point to you, yell 'Binomial'."

C.Cutler, STAT 333

"Please shoot me... No, wait. Don't. No."

P.Farrell, STAT 331

"Necrophilia is never having to say you're sorry."

McGee, ENGL 251B

"I hope I didn't take my pants off at the wrong time."

Becker, CS 340

"As you will probably remember from ECON 201."

Cuenca, ECON 201

## Thought of the Day

We receive three educations:  
one from our parents, one from school, and one from the world.  
The third contradicts the first two.

Curtis "place nickname here" Desjardins



## 50 Ways To Wipe That Smile From Your Face

Are you one of those happy-go-lucky people who wake up in the morning with a smile on your face, some spring in your step, actually looking forward to your day? Well, get some help, you're a *freak!* Just remember:

1. Cretien's only election platform was to reveal "Da Plan" for economic reform and growth
2. We found out that his Plan is to raise taxes and take away any tax exemptions
3. Cretien admires President Clinton
4. The Reform Party actually got 51 seats in our last Federal election
5. The return-to-the-1700's election platform of the Christian Heritage Party
6. Preston Manning thought he could do a better job than Kim Campbell
7. So did Doug Henning
8. The Canadian government is cutting subsidy payments to universities, driving up the cost of tuition
9. As tuition rises, OSAP is not increasing their contributions, putting the cost of education out of reach of many students
10. Once you find out you can't go to school, you'll find there are no jobs either
11. There may not be any jobs, but hey, Welfare will be happy to keep you well below the poverty line
12. NAFTA
13. Clayoquot Sound
14. Flipper is *mathNEWS* editor
15. People actually take Flipper seriously
16. Sometimes to the point of threatening him with a lawsuit
17. Zebra mussels are breeding out of control
18. So is Shannen Doherty
19. People trust me (heh heh)
20. Kids in the Hall was cancelled
21. Beverly Hills 90210 wasn't
22. New Kids on the Block have put out a new album
23. So have Milli Vanilli
24. And Hammer
25. People watch pro wrestling
26. John and Lorena Bobbitt were both guilty, but neither were convicted
27. It took 3 years to convict Joey Buttafuoco
28. Some people actually believe that Michael Jackson is not a nutbar
29. Somewhere, someone is filming the next Ernest movie
30. Co-op was so confident of their new placement system, they had all mention of it deleted from the SAC minutes
31. Ancillary fees are inevitable
32. Woman is now spelled with a 'y'
33. Gingerbread 'men' are a thing of the past
34. Everything can kill you these days, especially the water (and the air)
35. And food
36. Not to mention sex
37. Last year, the Canadiens were getting slapped around by teams like Florida and Ottawa
38. Greedy, scum-sucking pimples screwed the Expos out of the World Series
39. The Jays are still the reigning "World" champs
40. Nancy Kerrigan's recovery is being touted as the greatest Olympic comeback of the Century (Silken who?)
41. Shannen Doherty posed for Playboy
42. Meg Ryan, Kathy Ireland, Helen Slater, Teri Hatcher and Sarah Jessica Parker are already married (no, wait, that's something to wipe the smile from *my* face)
43. Hulk Hogan now has his own TV series
44. Life is more like *Married with ... Children* than is like *The Cosby Show*
45. The Buffalo Bills have choked in the NFL playoffs for the last 6 years straight (no, wait, that will *put* a smile on your face)
46. It is possible to *earn* a mark of 3% in AM 231 (trust me on this one)
47. There are dozens of White Supremacist groups across North America, and their memberships are growing
48. Pro-Lifers have started protesting with shotguns
49. There are more than 5 billion people in the world
50. Bob Rae is one of them

If you ever find yourself becoming too chipper or complacent, just re-read this list and slap that grin from your smarmy face. It's a shitty world, so get used to it. And don't forget to screw the next guy.

Curtis "Chewbacca" Desjardins

## Woman Trouble

Often people come up to me and ask, "Graham, how do you make so many women fall in love with you?" to which I reply, "They don't fall in love with me, they just use me for rides to their boyfriend's house." Which is true. I bet I wouldn't know half as many women as I currently do if I didn't have a car. To be honest, it's not really a car but rather a reasonable facsimile. While I'm not exceptionally proud of this method of making friends, it's better than pouring glue into their hair, which is what I used to do.

When you really look at it, though, it shouldn't be too hard to make friends with women. After all, most of them are reasonably friendly and have a decent sense of humour. Of course, there may be a few thorns amongst the roses, but they're not nearly as bad as a grouchy skunk or a really big gotchy-pull.

However, making friends with pretty women has always been difficult for me. I know of no biological reason for the way the muscles around my mouth quiver and shake when I try to talk to gorgeous women. Whatever powers of speech I once possessed are rendered completely dormant and my ability to drool is made even more acute. In all my experience with women, I have yet to discover a woman who appreciates unrestrained drooling by anyone over the age of 4. Why is it that young children who have

## The Oracle's Advice Column

*The sultan of semantics*

I've got a key on my keyboard here, labeled "MACRO". I never use it, and it's not in the way, but it does keep me up at nights wondering about it.

Mackerel

*It is actually a fine example of evolution, much like the appendix, or the spurs on the sides of snakes. In the primordial ooze, keyboards were once deadman switches (no kidding), not unlike the brutish and predatory ones you can find in scientists' laboratories. Eventually, these switches learned to move next to doors, where they prospered as light switches. Some light switches were more prosperous as power switches on devices, so they survived. Somewhere around this time, your archaeologists estimate that there was a missing link to join the evolution of power switches into input devices (some so desperate as to invent the Piltdown PDP-10). This missing link is supposed to connect push-buttons, rocker switches and panic-buttons. In an unusual cross-breed, push-buttons and panic-buttons intermarried and made the first keyboard erectus (or "rigid switches"). Some colonies of keyboard erectus (collectively called keyboards) could not serve all functions of an input device, so they chose one to become CONTROL (their ruler), MACRO (their idol/ god king) and two were SHIFTS (wise switches to supervise promotions).*

*More modern keyboards don't have as much faith in their god-kings, and believe in themselves, or they might democratically elect an ALTERNATE for administration purposes. Remember that today's MACROs aren't just figureheads, they're examples of evolution in action!*

My aunt used to grow pot on her parent's farm, until my grandparents found out and tore it out. Recently, I've been walking in my grandparents' fields and I found about an acre of plants that look like the plant on my t-shirt here with seven leaves. Some are really small with five leaves, and some are waist high. Is this what I think it is?

Oregano No More

*Yes it is; smaller plants should have only five spear-shaped leaves. Don't go and smoke it right away: drying it out isn't the only step to a high-quality experience. As I cannot condone this activity nor promote it (being an accessory to a felony and all that), I strongly urge you to not go to the Campus Bookstore and purchase the Anarchist's Cookbook. There's nothing useful in there. Really. For sure. My finger's aren't crossed, see? Honestly, getting busted for possession (and with an acre, they'll get you for trafficking too) is a sure way to loose a few grade points, so stay away from this stuff.*

<stretch> Ahhh, it's nice to get out of italics every once in a while. This is a new term, but I'll still be here to answer your questions. Just keep sending mail to mathnews@undergrad.math.uwaterloo.ca or put them in the BLACK BOX and I'll be answering your questions as well as those from frosh.

The Oracle

*continued from page 9*

no control over their bodily fluids can get away with murder, while young men, such as myself, who have partial control over most of their bodily fluids, are shunned like lepers who wheeze when they laugh?

But saliva cascading over my lips is the least of my worries. Poetic words transform from my brain to my mouth causing the phrase "I have never seen anyone who combines angelic grace and feminine beauty the way you have" to "Geez, you are a lot better looking from far away." My face has been slapped so much that I now suffer from chronic earaches.

The truly horrible fact about this entire social ineptitude is that I am completely sober during the entire debacle. While most people often use drunkenness as an excuse for their ignoble behaviour (a safety net that I frequently set adrift to salvage me from unpleasant reprisals), I am unable to use this hallowed sanctuary when describing my experiences with women. I'm sure that most women would be understanding about my dilemma, as I am sure that they experience a similar uncomfortable feeling around handsome men, but it's hard to be understanding about some moron jabbering away with spittle running down his chin.

The odd thing about my problem is that I can talk, sing, laugh, and dance around women to whom I am not attracted with only minor embarrassment, such as untimely expulsion of gas. Although many would consider this in itself a major problem, it is a comparatively basic conundrum to solve. However, trying to cure my beautiful women paralysis is like trying to take your underwear off while keeping your pants on. And it hurts just as much.

I've tried everything from books to movies to seminars to lotions to calling Dr. Ruth about my problem. The only possible solution came from Dr. Westheimer, but I stopped after scabs started forming and I was going through three pairs of boxer shorts a day. Ha ha! Seriously, I didn't take Dr. Westheimer's unorthodox advice because I value my eyesight too much but I was happy that she cared. Right before she hung up, she wished me to have "Good sex!". At this point, I'm willing to settle for mediocrity.

People always tell me that there are more "fish in the sea" but I have the feeling that my pond has been hit with a healthy dose of acid rain. And if there are more fish in the sea, then why are all those fishermen in Newfoundland unemployed? Besides, who's to say that my fish won't be some undesirable fish, like carp? My friends try to help but they don't really succeed. One psychiatry experiment-to-be told me to try "minnows", if you'll allow me to stick with the fish analogy. Why do mentally ill people like him have beautiful women rushing to the lingerie stores in order to please him while somebody like me has the neighbour's cat rubbing up against his leg in a seductive manner?

Much of my problem is, of course, my shyness and insecurity. It's hard to have good self-esteem when you can't talk to women without wearing a bib. Never before in the history of mankind has conversation been a hygienic problem. But I do persevere: I went to my Senior Prom with my mom as my date.

Some day my ship will come in, even if it is a leaky tugboat. Some day I'll be able to hold a beautiful woman so close to me that she can't see the stains on my shirt. Some day I'll be able to coherently speak to a member of the opposite sex without saying the words "bitch" or "hag". But until then, I'll have to be content with driving them around in my car.

Graham Rogers

## It's Blather Time!

Ladies and gentlemen, welcome to Blather Time, brought to you by Filler, the mindless brain-spew perfect for all of your "This issue is too small!" needs. Today's topic: Why This Term Was Fun.

Bear with me, I'm actually about to be happy here:

- I only took one Pure Math course this term. Hence, much fewer brain cells were required for this term than the norm, freeing other brain cells for important work, like memorizing songs from "The Lion King".
- I bought new socks, and acquired my first actual suit. Okay, so it's brown and out of style, but it's still a suit.
- I used my bicycle a lot, and can now make it up that nasty incline on Westmount road going north toward Columbia. (Yes, I'm being facetious. Of course, watching me trying to go up that slope in 5th gear at the beginning of the term was *not* a pretty sight.)
- I learned once again not to play Mao when I'm low on sleep. "What do you mean, 'Penalty Card'??? I'll rip your LUNGS out!!!"
- Once again, through no fault of my own, I was not crushed by falling pianos.
- I finally managed to work a self-referential sentence into a mathNEWS article.
- I began to learn how to cook.
- I had many deep, philosophical thoughts during CS340 lectures, so at least those weren't a total waste.
- Watashi wa Nihon-go o benkyoo-shimashita.
- I acquired a self-image.
- My marks slipped a little in one or two courses, and I *still* wasn't crushed by falling pianos.
- I acquired a fountain pen.
- I came to the stunning realization that there are people who actually like to be with me and hear me ramble. This startled me so much that I began to engage in meaningful and humorous conversation with these people. To my utter shock, this eventually led to a state in which these people and myself would take *deliberate steps* to get together in small and large groups, and go out for the purpose of *enjoying ourselves*.
- I acquired new and good friends to add to my stock of old and good friends. This led to a rash of warm fuzzy feelings, but I think I've weathered those successfully.

OK, OK, I'll stop being mushy now.  
Gruff mode ON

Peter Milley

## We Interrupt This mathNEWS

for the following news items...

- **The "For The One Who Has Everything" Department:** The U.S. department store Neiman Marcus has just issued its Christmas 1994 catalogue, full of unusual — and expensive — gift ideas. You can get a miniature donkey, "the perfect family pet," from \$1,300 to \$9,000, depending on pedigree, colour, and gender. For the couple who are always in over their heads, his-and-hers underwater scooters, available in either pink or yellow, for \$7,500 per unit. And they're sure to love this: a three-metre-tall, 1,135-litre aquarium shaped like an elephant, which can be yours for \$120,000. Imagine getting *that* gift-wrapped!

*The Toronto Star*, Sat. Sept. 17, pg. G14

- **The "Neither Rain Nor Snow Nor Phony Stamps..." Department:** Satirical magazine *Frank* has repeated its postal prank of 1993 by mailing letters with "stamps" created with a computer drawing program. Reasoning that Quebec would have its own postal service and stamps if it gained independence, *Frank* marked all the philatelic phonies "Québec 43." Subjects of the fake stamps included Quebec City's Bonhomme Carnival, the Montreal Expos' Youppie, and an unidentified cassette player user vacationing in Florida. Although two of last year's 28 envelopes had been caught, Canada Post unhesitatingly delivered all of this year's 31 envelopes, including one addressed to the "Canadian Union of Stamp Forgers."

*Frank*, Thu. Sept. 15

- **The "Thank You For Clearing That Up" Department:** The *Ottawa Citizen* carried this correction notice on Wednesday, August 24: "Monday's Senior Clinic column did not mean to imply that drinking Mennen Skin Bracer would cure perineal itch."

And finally...

- **The "Artsies Have No Life" Department:** The National Gallery of Art in Washington D.C. held an exhibition in June on "minimalist" art: everyday items, such as a brown paper package tied with string, were presented as art objects. One particularly popular item at the gallery was a tool cart being used by gallery technician Glenn Perry as he installed the various exhibits. Mistaking the cart for one of the exhibits, several art critics and gallery patrons were studying it until Perry finished his work and left, taking the cart with him.

*The Toronto Star*, Sat. Sept. 17, pg. G12

Darren "Ren" Morby

## Bars That Suck

Inner City

During Frosh Week, I had the unpleasant opportunity to go out to a couple of bars that I would not usually think of attending. One might think that this would be a broadening experience for me, and to some extent it was: I remembered why I didn't go to these bars in the first place.

The bar that stands out in my mind as the worst bar of the week (and, yes, the worst bar I've gone to in my entire life) was a dance bar in Kitchener called Inner City. What follows is my story of woe:

After warming up with a few beers at home, we went to catch the Orientation buses that were running down to the bar. Everything went without a hitch until we got to the bar. There was a line-up around the block when we arrived, but we were assured that it was only there while ID was being checked. Being my naive self, I didn't dream that checking ID should take so long. Hell, I figured that the bar knew that they were having a over a thousand frosh descending on them and would put extra people at the door.

I was in line for an hour. Not only had my buzz faded, but I was less than overjoyed to see that they had one guy checking ID at the door. One guy. Not only did they not put extra people on to check ID, but they apparently also took all leave of their senses and decided it would be fun to have several hundred thirsty frosh waiting outside the bar for an hour or more.

When I entered the bar, I knew that the hour had been wasted. And I wasn't. The first thing that hit me was the music - your typical dance music from your typical dance bar. In other words, the type of music that Fed plays specifically in order to drive people away.

The next thing that hit me was a wave of heat that almost knocked me out. The bar just kept getting hotter and hotter as they crowded more and more people into the bar (nope, they didn't close the bar to the public - they just figured that they could handle over a thousand extra patrons with no trouble). As well, as far as I could tell, there were only about a dozen seats in the entire place. Everybody else had to stand.

I decided that what I needed was a drink. About the only good thing about the bar was that they had 50 in stock. Beer cost \$2.75, which isn't a *bad* price for a drink. I paid with a five, and the bartender gave me back a looney and five quarters in change. By the end of the night, I was carrying so many quarters in my pocket that I was walking with a decided tilt. Apparently the bartenders thought that this would increase their chance of getting a big tip. Good luck, cementhead.

Non-drinkers didn't get away too easily, either. Inner City has about twenty satellite bars set up around the building, and only a couple of them had tap water. If you wanted water at any other bars, you'd have to buy water at the low, low price of a buck a bottle.

Finally, the attitude of the bouncers topped the evening off for me. I saw a few people kicked out of the bar for various offences, and they were never kicked out gently. The preferred way of kicking someone out of Inner City seems to be putting them in a headlock and dragging them downstairs and into the street. Hey, you could've asked first, musclehead.

The only benefit I got from going to Inner City was a new appreciation of Fed. Never again will I call Fed the worst bar in the world, because that title now belongs to Inner City. I encourage you and your friends never to go there.

Steve "Flipper" Shaw

## Hey You Frosh! Read This!

*And remember it for your Grad School application*

"A grade is an inadequate report of an inaccurate judgement by a biased and variable judge of the extent to which a student has attained an undefined level of mastery of an unknown proportion of an indefinite amount of material."

Paul Dressel

## Things That Make You Go 'Hmmm'

"I don't understand why prostitution is illegal. Selling is legal. Fucking is legal. Why isn't selling fucking legal?"

George Carlin

## Write for mathNEWS

*It Be Funky*

Have you ever wanted to write for a real newspaper? Have you ever wanted to be respected for your talents and as a person? Are you a really talented artist with a penchant for attractive editors? Then you probably don't want to come out to *mathNEWS*, because we'd just make fun of you.

On the other hand, if you like eating pizza, making fun of the Dean, and pretending that Marco has lice, then you're probably the type of person for whom we're looking. We, as always, are looking for writers, typists, layout people, and artists. It'd be a bonus if you think jokes about liquored-up ducks are hilarious.

Production nights are alternate Mondays in MathSoc at 6:00. The next one will be on October 3rd.

Steve "Flipper" Shaw  
editor

## mathNEWSquizz #1

### Back To School Blues

Hi, everybody! Welcome back to school for another rollicking good term at the Looneyversity of Kitcherloo! Hope you all had a great summer (it was a bit cool, wasn't it). We'd like to take this opportunity to welcome all of the frosh who will be answering squiz questions this term, and to let them know that there is a prize given every issue for the most correct answers to the squiz. Alllllrighty, then! Let's get to asking and answering squiz questions!

### Song Lyrics

*name the song and the artist  
for one point each*

1. So many ways spent hiding in so many undone plans  
Forgetting what it's like to fight when no one understands
2. Barking of machine gun fire means nothing to me now  
Listen to the clock that ticks, get used to it somehow
3. There is nothing left to grow, of ginger and the indigo  
Coriander stem and rose of hay
4. The race is run, the book is read, the end begins to show  
The truth is out, the lies are old, but you don't want to know
5. From the North to the South, Ebudae into Khartoum,  
From the deep sea of Clouds to the island of the moon

### Oh No, It's Monty Python Again!

1. Who is Spiny Norman?
2. What television show can teach you to play the flute, split the atom, build box girder bridges and make vast new areas cultivatable?
3. What is the name of the woman who has the "universe" song sung to her in "Monty Python: The Meaning Of Life"?
4. Who is the shrubber whom King Arthur and Bedivere meet?
5. What did Mrs. Premise spend four hours doing?

### Potpourri

1. What home computer had William Shatner as a spokesperson?
2. What word has MicroSoft recently trademarked?
3. How many books are there in the Hitch Hiker's Guide to the Galaxy trilogy?
4. Where is the North American Pipe Band championship held every year?
5. Name the host of "Sprockets" on Saturday Night Live.

Well, good luck, everybody. We hope you find these questions as challenging as we found to write them. You can drop off your answers in the BLACK BOX across from the Comfy Lounge by 6:00 PM on Monday, Oct. 3, 1994.

Stuart "Jean-Guy!" Pollock  
Darren "Ren" Morby

## ultraCLASSIFIEDS

Dear "You Know Who",  
I'm getting fat, and it's not from the beer.

"One Night Stand"

WANTED: One (1) explanation.

Confused

Dear Cute Older Sister,  
Nice stories, goofball.

Sleepover Buddy

## gridCOMMENTS

Welcome to the first gridword of the term. For those of you that have never done one of these before, read on. There are two different sets of clues: the cryptic and the conventional. Each set of clues is a separate puzzle, i.e. you can't exchange clues from one set with those from the other. Does that make sense? I hope so. The conventional is just that, conventional, normal, the usual type of crossword. The cryptic is a just a wee bit different. Each clue has two parts: the usual part, which is probably a synonym for the word you'll be looking for, and a cryptic part which sort of tells you the word in a cryptic manner (hence the name). If you need more information on how to do these, I'm told there were instructions in the frosh issue.

Best of luck to everyone. Hope you have fun. Just for the record and in case you seem to be stuck on one of the clues, I don't think I've done one of these yet without a typo. Just thought I should mention it. See ya in a couple of weeks.

Jen

## Bad Computer Joke #3

Q: What do you get when you cross Lee Iacocca with Dracula?

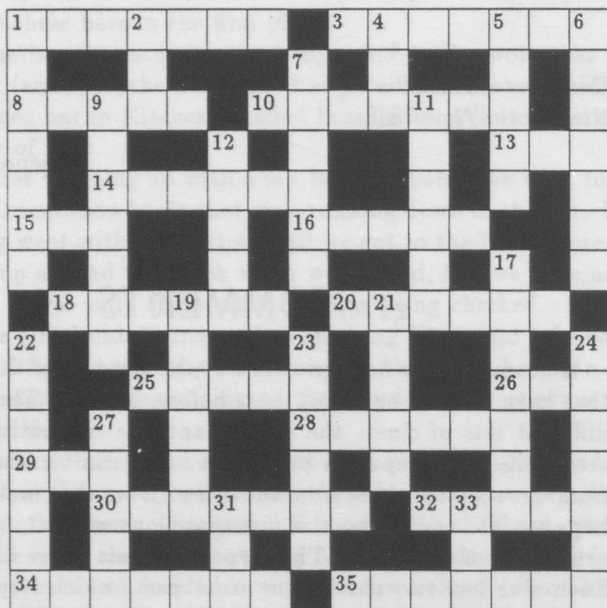
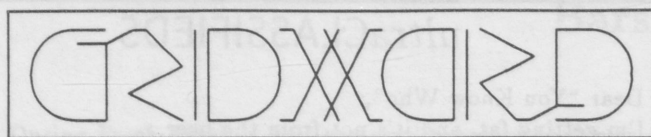
A: AUTOEXEC.BAT.

Darren "Ren" Morby  
with thanks Fred "Page Six" Ennis of the *Ottawa Sun*

## Hindsight is 20/20

If only I had typed 'rm' instead of 'rn',  
I could have lead a normal life.

Curtis "News-addict" Desjardins



### Grid Clues (Conventional)

*Across*

1. pillow
3. fit
8. sprite
10. eg. Challenger
13. vat
14. Dan Quayle's least favorite vegetable
15. chart
16. sound
18. entire
20. sickly
25. discoloration
26. type of tree
28. one after another
29. large flightless bird
30. relating to tunefulness
32. type of shovel
34. hot cake
35. eg. Glenn Gould

*Down*

1. find guilty
2. jump
4. likely
5. smells
6. borders

7. multitude
9. swabbing
11. a muscle
12. fear
17. predicament
19. real
21. gas in upper atmosphere
22. perfect
23. evoke
24. environment
27. spice
31. type of tree
33. writing instrument

### Grid Clues (Cryptic)

*Across*

1. discount drinking establishment increase (7)
3. annul both old lines in system head! (7)
8. mire crazy smile (5)
10. I said close your clasp (7)
13. apply in cautious enquiry (3)
14. hinder grim pedestrian within
15. tug back belly (3)
16. if I were you, rinse strange care giver (5)
18. band ripest banana (6)
20. resist, I lost and gained a state (6)
25. honor a door soundly (5)
26. bill began to abhor bacon (3)
28. in lands afar I journey (6)
29. false sounding toilet held virus (3)
30. soup alphabetic, how deranged (7)
32. note gain once more (5)
34. approve end or section inside (7)
35. communication scrambled in sea gems (7)

*Down*

1. East, not North, East begins new battle (7)
2. mug held back tooth (3)
4. back under public transportation (3)
5. mess up tin fact (5)
6. hear a tic sound nonconformist (7)
7. basic lien towards customer (6)
9. mimic Tai time oddly (7)
11. removes cameras, especially inside (6)
12. place not down, erect (5)
17. sensual art tore CIA apart (7)
19. go left in district blue (6)
21. move true fish! (5)
22. hold criminal penalty (7)
23. decrease in Kyle's senility (6)
24. alphabet begins feeling without (7)
27. Lou + Sid sound sane (5)
31. used to be saw back (3)
33. green air stays first (3)