

# math

# NEWS

Volume 82, Issue 5

Friday, March 17, 2000





# Computer Science Club

A Student Chapter of the ACM

## CSC Flash

Another term is almost past, and with it another opportunity for domination of all of time and space. This can only mean that not enough of you were volunteering to become my mindless slaves, whose only hope is that you will be the last one exterminated when my plans come to fruition.

But I mean to tell you that there is still time! Break out of your pathetic existence and serve my ends! Did I mention that most professors will allow an excuse of "Helping inhuman cyborg mutant take over the universe" for late assignments and missed exams? So come on out, and be part of something bigger than your meaningless little life could ever be!

The CSC is planning two talks before the end of lectures, to be presented by Floyd Marinescu:

### *Introduction to Enterprise Java APIs* *Time and place TBA*

An introduction to servlet, JSP, EJB and how to use them to build e-commerce sites.

### *Using Java APIs to Implement a Real-World Portal* *Time and place TBA*

Will include an overview of the design patterns used to implement a real-world e-commerce portal, featuring architectural information about [theserverside.com](http://theserverside.com).

Calum T. Dalek  
CSC Chairbeing

## Hey Class of 2001!

So you're graduating next year. Why should this matter now, you might ask? Well, the Math Grad Committee is starting to get things rolling for the 2001 graduating class, and we want to make sure that your last year at Waterloo is the best it can be. In case you didn't already know, the MGC is a committee which provides resources, runs social events and does lots of all-around cool stuff for graduating students. So if you will be graduating in the fall or any time next year, and are interested in volunteering or just finding out more information, we will be holding an informal info session on Tuesday, March 21st at 4:30 in MC 2065. Refreshments and lots of information will be provided.

At the info session, we will be discussing possible themes for the Class of 2001, social events, important dates, and trying to line up volunteers for all of the important positions. It's a wonderful opportunity to come out one last time before you graduate, meet new people and get involved in a wide range of activities. In the meantime, you can join our mailing list by e-mailing [majordomo@mathsoc.uwaterloo.ca](mailto:majordomo@mathsoc.uwaterloo.ca) and putting "subscribe gradclass" in the message body, or you can e-mail me directly at [djpolloc@uwaterloo.ca](mailto:djpolloc@uwaterloo.ca).

So remember, next Tuesday at 4:30 in MC 2065.

Dan "MGC Chair F00/W01" Pollock

## Prez Sez

Hi everyone,

It has been kind of quiet on campus with the exception of pre-registration for next Fall and Winter term. I do have some news to share about events outside of MathSoc.

There has been a change to the student loan structure in Canada. The Federal Government is going to be in charge of the implementation of the student loans instead of the banks. I have been informed from the VP-Education of the FEDS that this is a better situation for students as the government will no longer be able to pass the buck when it comes to student complaints.

The University funding announcement from the Provincial Government is expected sometime this week. After the announcement the University will make its decision about tuition increases.

The FEDS annual general meeting will be held Wednesday March 22<sup>nd</sup> at 4:30 in the SLC. Proxy forms are available outside the MathSoc office or from the FEDS office. The forms should be submitted to the FEDS office by 4:30 pm Tues, March 21<sup>st</sup>.

The voter turn out for the FEDS exec election and Senate election was very low. Only 6% of math students voted while a total of 10% of campus voted. The senate at large seat went to Stammers from Engineering. Better luck next time, Snuggles.

Campus Day and  $\pi$  day will hopefully have gone well this week. Thank you to all those who helped out with the event.

Finally, I would like to congratulate all those who helped organize and run the CUTC this past weekend. From all accounts everyone had a great time and the event was a big success. Great work everyone!

As always, if you have any questions or concerns about these or other issues affecting Math then please let me know ([prez@mathsoc.uwaterloo.ca](mailto:prez@mathsoc.uwaterloo.ca)).

Jennifer Cote  
MathSoc President, W00 & F00

### *A note about the*

## Online Exam Bank

We've recently gotten some exams from the C&O department (thanks!) and now that I've gotten latex2html working properly, most of our collection is now available as HTML also.

A lot of you have visited the Online Exam Bank over the course of the term, but few have gotten back to me with feedback about the site.

If there's anything lacking that you'd like, whether it be the absence of particular exams or general comments about the site's layout, please let me know at [resources@mathsoc.uwaterloo.ca](mailto:resources@mathsoc.uwaterloo.ca).

And once again, if you feel ambitious and would like to typeset exams, or if you find a collection of exams online somewhere that the Online Exam Bank doesn't seem to have, please let me know (at the above address).

Thanks,

Stephen Forrest  
Resources Director

## Upcoming PMAMC&OC Talks

The Pure Math Club would like to announce two upcoming talks, both scheduled for next week:

Tues, March 21, 2000 — Our much beloved alumnus, Matthew Walsh, is returning to KW from the Deep South at Auburn University. (Those of you who don't know him by name may know him as the man with the feather in his hat). He'll be speaking on "Steiner Triple Systems and You". Time: 4:30 p.m. Place: TBA.

Wed, March 22, 2000 — Dr. Bill Martin, of the Centre for Applied Cryptographic Research here in the C&O department, will be speaking on "Graph Colourings and Polynomial Rings". Time: 4:30. Place: MC 2037.

As usual, attendance is open to all and refreshments will be available. Check out newsgroups or our webpage ([www.undergrad.math/~pmclub](http://www.undergrad.math/~pmclub)) for details and abstracts on these and any other talks we may have this term.

As these will likely be our last talks of the term, we'd like to thank all who came to our talks, and to thank the profs and researchers who were generous enough with their time to give talks for us.

Also, as a final note: thanks to our fans at the Islamic Azad University in Tehran. We appreciated your mail, and just for you we'll try and make talk abstracts available online in Farsi (Persian).

The PMAMC&OC

## Social News

Hi everyone. First thing: you have new social directors! Due to mysterious illness or something, Snuggles has been replaced for the remainder of the term by Marshall "GrSHARK" Drew-Brook, Yolanda "NAOCHO" Dorrington, and Jamie "ZomBULL" Wheeler. Anyway, here's what's happening in the near future:

- **Pub Night:** Tuesday the 21<sup>st</sup> is Math Pub Night at the Bomber! Everyone is welcome to come out, even those not in Math. There's going to be a space theme, and we'll be having pool tournaments and other prize-rewarding activities. You like prizes, right? Of course you do. So come to Pub Night. Stuff starts at 8:30 pm. Underage people can come too (you just can't drink).
- **Who Wants to be a Millionaire?** Think you're smart? Want to win prizes? Is that your final answer? Then sign up for Who Wants to be a Millionaire? on the MathSoc door. It's going to be taking place on Wednesday the 22<sup>nd</sup> from 6:30 to 9:30 pm in the Comfy. You need to bring three friends to act as your "phone a friend" lifeline, or you can phone a MathSoc exec instead if you want. Yeah, so sign up, or just come and watch. It'll be fun.
- **Other stuff:** We'll be thinking of more fun stuff to do. Some people, (ok, just Dave) have expressed interest in an onion eating contest. Others have expressed disgust. Either way, I need to finish this article. Bye.

GrSHARK

## MGC

Hello 00Grads,

Welcome to your last two weeks of post-secondary education; can you taste the freedom? Just a reminder that on March 24<sup>th</sup> is the final MGC event of the term, the annual Wine & Cheese ... hmmmnnn ... cheese. March 24<sup>th</sup> is also the due date for Ralph Stanton Pledges.

Why should you participate in the Ralph Stanton Pledge? Well, you get your very own prime number. Imagine the possibilities! You could imprint it on your forehead, use it as a .sig file, or call it Bubba and have it run for office. Also, you will be invited to a small informal get-together so the faculty can personally thank you for your donation.

Good Luck on Finals,  
Esther

## MathSoc VPAS By-Election

Following the resignation of the previous holder of the office, nominations are now open for the position of

### Vice-President, Activities & Services

of the Math Society for the Fall 2000 term.

Nomination forms are now available outside the MathSoc office (MC 3038) and may be submitted to the MathSoc office any time before 4:00 pm on Monday, March 20, 2000.

Nominees must be Math students who have not requested a refund of their MathSoc fee, and must complete their first year of study by the end of this (Winter 2000) term.

(To find out more about the VPAS position and its associated duties, visit [www.mathsoc.uwaterloo.ca/general\\_info/summary.html](http://www.mathsoc.uwaterloo.ca/general_info/summary.html).)

Stephen Forrest  
Chief Returning Officer, MathSoc VPAS Election

## lookAHEAD

### mathNEWS

March 17	Issue #5 goes bar hopping
March 27	Issue #6 production night 6:30pm, MathSoc (MC 3038)
March 31	Issue #6 caps off the term

### Math Faculty

March 31	Math Lectures End
April 7	Examinations Begin

### MathSoc

March 20	Deadline for nomination forms for VPAS, Fall 2000
March 21	Pub Night at the Bomber
March 22	Who Wants to be a Millionaire in the Comfy
March 26	Beat up a Pirate Day?

### MGC

March 21	Meeting for Class of 2001
March 24	Wine & Cheese
June 17	Spring Convocation

### Miscellaneous

March 17	St. Patrick's Day
April 1	Exams are cancelled Hah, April Fool! (As if you're reading this anyway)
April 3	More Arts Electives lectures to attend



# Chaos Theory, Prediction, and Randomness

Dr. Colleen D. Cutler

Department of Statistics & Actuarial Science

Tuesday, March 21, 2000

4:30 pm

MC 5136

This talk is aimed at upper year undergraduate and graduate students in the mathematical sciences.

Presented by the Women in Mathematics Committee

## Abstract

Over the past two decades much has been made of the notion of “chaos” both in the scientific literature and the popular media. Very roughly, chaos theory deals with the theory and consequences of the fact that some low-dimensional simple nonlinear dynamical systems may produce outputs resembling those of random or stochastic processes. Of course terms such as “resembling”, “random”, “stochastic”, etc. are not in themselves well-defined, so this talk will include a discussion of their meaning in this context. Scientists in various disciplines, including physics, biology, and geology, are using techniques

developed out of chaos theory, such as embedding methods and estimation of Lyapunov exponents, to unravel the original signal underlying an observed single-variable time series and determine how far in the future it can be predicted. These techniques have much in common with nonlinear time series methods used in statistics, where we think of estimating the order of a time series and then determining the forward prediction window. Another valid use of chaos is in controlling a dynamical system by shocking the system as necessary in order to keep it operating within a desired regime. Finally, chaos has also been claimed as an explanation of the stock markets and as proof of the existence of God. These last two topics will not be included in this talk.

Shirley Thomson

Executive Assistant, Faculty of Mathematics

## Sleep: Replaceable?

My dreams have been really messed up lately. The other night, I found myself running around naked everywhere. Wherever I ran, I'd see friends who couldn't recognize me in my birthday suit. Just as the excitement of the dream neared climax, my god-damn radio alarm blasted me out of bed. I napped in the shower and headed for MATH 138, still curious of how my exciting dream would end. Despite the fact that I have the most dynamic and exciting calculus prof UW has to offer, it was 9:30 am and I wanted to see how my imagined adventure would conclude. So I grabbed my soft pillowy binder and slept for a few minutes.

Unfortunately, sleeping through class isn't as manageable as it was in high school. By napping during a lecture, I could miss notes, explanations or even humorous *prof*QUOTES. Sleep deprivation has also affected me in other ways. I broke my arm falling asleep in the shower, I broke the bank falling asleep in the antique glass and ceramic store, and I broke up a relationship by falling asleep while talking on the phone.

There are solutions to this problem, however. Getting to bed earlier is a popular solution but quite flawed. With great TV programming and numerous e-mail forwards to enjoy and pass on, there is simply no time to waste on sleeping. The Computer Science department's favourite replacements for sleep are high quality caffeinated beverages. With a line up including Jolt, Coke and Sobe, an hour of sleep can be subsidized for \$1.10 at the Right Angle Cafe. I'm currently working on a project that will both employ youth in developing nations as well as cure our own sleep deprivation. The details of the business venture are confidential, but if all goes well you may soon see co-op postings for [PayEthiopiansToSleepForYou.com](http://PayEthiopiansToSleepForYou.com)

Jesse Wilson

[jesse@jesserific.com](mailto:jesse@jesserific.com)

## mastHEAD

*It's what's inside that counts, and other lies*

Rich here. It's Tuesday, and I've just gone through all of the articles by myself. Now, I'm writing the *mastHEAD* alone. Next, I'll lay the issue out without outside assistance. Are you alone? Do you feel disconnected from the people around you? Do you feel lost in the face of a dark and uncaring universe? Well you are, and I wish you'd stop whining so damn much about it.

Do you know how many calories are in a 95g Mega Mars chocolate bar? Four hundred and forty-one. By my calculations, that's enough energy to raise 5.5 grams of water from room temperature to boiling. It should be just enough to get me through to the end of this article.

If I had to name one thing that unites Math students, I'd say the love of free food, especially if it's high in sugar. (One might observe that they are certainly not united by their interest in mathematics.) Which is why I'll give thanks to MathSoc and to Nortel for their successful (and tasty)  $\pi$  day.

And while I'm not on the subject, I'd like to send a big shout out to editor emeritus Matt Walsh, who's coming back from the deep south to give a talk next week. You should go. He's smarter than you are.

The sugar rush is starting to wear off, so I'd better get down to the task of listing our staff members, along with the things they found after the snow melted: Jesse Wilson (A tent full of ES students who were picketing for tuition), Kyla Hawrelluk (Stiffy the squirrel) and Michael Thorsley (A stack of flyers inciting us to fire Jeffery Shallit).

Thanks as always to Marion and the rest of the crew at Graphic Services.

Richard Bilson (The brother I never knew I had)

Greg Taylor (Skis in the back of my closet)

Chadwick Severn (My CS 498Q project)

**profQUOTES**

Upon reviewing “we can terminate l’Hopital’s [rule]”: “Look at this! If I said ‘T’ here, I’d be quoted or put in jail, or something. But this is nebulous! By saying, ‘L’Hopital can be terminated,’ it removes all responsibility.”

Vrscay, MATH 138

Prof: “So if you have friends in 3B or 4A, try to scare them away from this course.”

Student: “You realize that you can be *prof*QUOTEd?”

Prof: “No... I never get *prof*QUOTEd”

Ragde, CS 492

“This is a technical term we’re going to use: we’re going to be P-ing on all kinds of things.”

P. Buhr, CS 342

“Maybe its not a desktop, [*sarcasm*] maybe, just maybe, its a computer.”

P. Buhr, CS 342

“Death, taxes, busy waiting... you can’t get rid of them.”

P. Buhr, CS 342

“One of the fun things about this course if there is anything fun about this course...”

S. Steiner, STAT 231

[*Where else? — Ed.*]

[Dumps a bag of condoms on the table]

“I am not sure I have enough condoms for the entire class, so you’ll have to share with the person beside you. Now I want you to practice on each other. [*pauses*] On your fingers.”

Rye, PSYCH 236J

“Wow, everyone’s wide awake! Oh well — if this assignment didn’t get you, the project will do you in.”

Bell, CS 488

“So we’re going to continue with splines today, just to make sure you fall asleep.”

Bell, CS 488

“Now I could work out the machinery to make that rigorous, but I’m going to just ignore it.”

Godsil, MATH 146

“I’m just going to erase this right now, because obviously there’s not enough interest... and yes, I’m a bit ticked off.”

Chipman, STAT 230

“Simula was invented in the 60’s. These people went on to become the acid-freak hippies of the 70’s, so that’s why the syntax of Simula is totally bizarre.”

Cox, CS 442

“Unfortunately, while it’s useful, it’s not completely useful”

Cox, CS 442

“Can we come up with an example of something that is actually useful?”

Cox, CS 442

“If I screw up these examples again, throw things — anything. Just make sure it’s not too heavy.”

Cox, CS 442

“Your midterms are not marked yet. I have only skimmed them. You make me cry.”

Zima, CS 450

“Somebody told me, ‘Don’t give students easy questions here, they will not get them.’ This is true.”

Zima, CS 450

“You are fourth-year computer science... You can probably type faster than you can think.”

Zima, CS 450

“You get in lots of trouble nowadays if you even *slap* your kid.”

Young, CLAS 202

“It was not uncommon for a thirty- or thirty-five-year-old man to marry a twelve-year-old girl. They liked ‘em young.”

Young, CLAS 202

“Maybe I should use object oriented notation over here. Boy, I hate that notation.”

Cormack, CS 444

“If you’re using an Intel Inside, you can only pass four things in registers. If you have lots of registers, you can pass just about anything, unless you’re using some stupid library like STL or something.”

Cormack, CS 444

“... depending on the degree of lobotomization of the machine architecture that you’re using.”

Cormack, CS 444

“There was something else I was going to say but I forgot it. I guess you’ll never know.”

Cormack, CS 444

“You can put the parameters in order, or you can put them in a different order.”

Cormack, CS 444

“So you go to your algorithms book to look for a more efficient algorithm. Well, you know, efficient algorithms for infinite loops don’t help very much.”

Cormack, CS 444

“All the people who program in Ada were educated at West Point and build tanks in their spare time.”

Cormack, CS 444

“Cobol is probably the most disgusting thing in the world.”

Cormack, CS 444

“I actually know Cobol and I came through Y2K and I’m not a millionaire.”

Cormack, CS 444

“C does the dumbest possible version of this.”

Cormack, CS 444

## Tales from the Arts Side

Pre-registration week is over, and you're so relieved, because aside from the very first week of classes, it was the ugliest and most bureaucratic week of term, and you are thankful that it will be months before you need to sort through this much administrivia again.

My heart bleeds for you. It rots, and festers, and disintegrates into a putrefying mass of goo for you. Next time you pre-register, imagine how much more fun it would be to go through the whole process with 2 faculties.

Sure, I'm whining and bitching and complaining over something I chose to do, but it's my column, and I can cry if I want to.

In CS, we have this online preregistration system which Byron Becker hacked together, which was then further hacked up by Troy Vasiga. A few days before prereg week, all the CS students get an e-mail with their secret prereg password. This way, we can concurrently preregister for classes and wait for the OS assignment which was developed in the fiery bowels of hell to compile, thus making ourselves more efficient.

Okay I lie. There was no OS assignment due during prereg week. But the assignment that was due the Friday before prereg week was developed in the fiery bowels of hell. (Hm... Nachos, and the fiery bowels of hell. I see a connection.)

Anyway, despite the whole lack of any interpersonal connection thing, the online system is pretty good for most students. But if you are a double or joint major, it REALLY sucks because it won't preregister you for anything. But you still have to use it.

The first time I used the online system, I didn't get into any of my English courses because despite all the the evidence to the contrary, they didn't think I was an English major.

The second time I used the online system, I didn't get into ANY of my courses. I wasn't preregistered for anything. In both cases, I didn't find out until one month before classes started, at which point I had to call and e-mail both my advisors, fax in my copy of the online system printout, and basically panic for a few days while they straightened everything out.

This year, I asked if I could skip the whole system and just prereg the old-fashioned way. Quoting the e-mail I got back from Vasiga: "You should do the on-line system first... By at least attempting to prereg on-line, it will make your wait shorter."

Now I see his point — that it would take a lot longer for me to explain why I didn't use the system and for the advisor to go through a dozen pieces of paper rather than just one — but I still think it's a little silly.

I also asked if I could just use the drop box instead. This is the response I got from Pretti: "Unfortunately, we close the drop box during preregistration." This doesn't make much sense to me. The only reason that I can see for closing the drop box is to enforce the use of the online system, so that the advisors don't need to sign dozens of forms that could easily be handled by the system.

But considering that all that most joint and double majors need is a signature, it's a little silly to make us wait in line for the advisor office hours. I mean, that's WHY the drop box and the online system exist; their purpose is to reduce line ups for students who have no questions or issues, and who only need a signature.

And speaking of office hours, despite the fact that there are SEVEN advisors for CS, prereg week office hours were 1–4 on Monday, and 2:30– 4:30 on Tuesday. Notice the absence of Wednesday, Thursday and Friday. Reason? Quoting from the e-mail: "most of the advisors will be away at a conference."

Granted, there are extra hours in the following week, and CS explicitly stated that students could prereg late, but it still seems odd to me that SEVEN CS Advisors could not co-ordinate their schedules in such a way to provide more than 5 hours of advisor time during prereg week, even if "most" of them were at a conference.

If there is an explanation, I would love to hear it.

In English, we have one advisor: Ted McGee. He was available every day of preregistration week from 10 – 4. That's 30 hours of advisor time. I'm sure he's a busy guy as well, considering that he teaches, that he's also the Associate Chair of the department, and that last year at Stratford there was an article by him in the program for "The Tempest."

But the important point is that he clearly made lots of time to be available for the students.

The total number of hours CS advisors were available, including both prereg week and the following week, was 14. If we count the times when 2 advisors were available as 2 hours, we still only have a total of 7 hours last week, and 11.5 hours this week. (Total: 18.5)

It really bothers me that seven people cannot work out a schedule such that they are available for as much time as one person over a five day period. Frankly, I don't get the feeling that my CS advisors are really there for me. I don't know how it is in other Math departments, but I'd really love to believe that it's better than this.

I've spent a lot of time dealing with CS advisors, English Advisors, the Math Undergrad Office and the Arts Undergrad Office. If you are sick of administrivia, and feeling like a number, and the massive wall of red tape and technology between you and an actual, caring person, go to Arts.

Every experience I've had with the Arts faculty administration has been a positive and happy one. I really would like someone to explain to me why they can't match this level in the CS department. It was understandable a couple of years ago when there was one CS advisor for all of us, but now that we're up to seven people...

I guess it's just that whole HUMANities thing rearing it's warm and fuzzy head.

Sonal Champsee

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PROFQUOTES from page 6

"I feel another anecdote coming on."

Cormack, CS 444

"The VAX has instructions to do CRCs and data compression and create life on new planets."

Cormack, CS 444

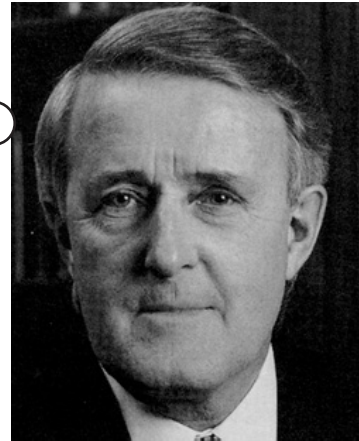
## Pub Night!!

March 21<sup>st</sup> — Bomber



You love me! You really love me!  
I'm king of the world!  
I'm invincible!

I remember when I  
said that...



## UNIX is Hell

In loving memory of and with apologies to Stan Kubrick, we submit the following. (We are also including the original quote from "Full Metal Jacket" in case anyone can't tell where this is from.)

*[original Full Metal Jacket]*

This is my rifle. There are many like it,  
but this one is mine. My rifle is my best friend.

It is my life. I must master it, as I must master my life.

Without me my rifle is useless. Without my rifle, I am useless.

I must fire my rifle true.  
I must shoot straighter than my enemy who is trying to kill me.  
I must shoot him before he shoots me. I will.

Before God I swear this creed.  
My rifle and myself are defenders of my country.  
We are the masters of our enemy.  
We are the saviours of my life. So be it  
...  
until there is no enemy  
...  
but peace.

Amen.

*[and the Unix version]*

This is my Unix terminal, there are many like it,  
but this one is mine. My Unix terminal is my best friend.

My Unix terminal is my life, I must master grep, as I must master my life.

Without my code my Unix terminal is useless. Without my Unix terminal I am useless.

I must code with emacs or vi.

I must code with more structure than my co-op employers competition who is trying to put us out of business.

I must reverse engineer his code before he reverse engineers ours. I will.

Before a copy of *The Art of Computer Programming* (Vol. III) by Knuth I swear this creed.

My Unix terminal is my defender of my co-op employer and my salary.

We are the better programmers than our competition.  
We are the saviors of structured code. So be it,

...  
until there is no competition,

...  
but monopoly.

EOF



## mathNEWSquiz #5

Wow.... I'd love to be able to say that last week was really close. But, it wasn't. In fact, the winners won by a spectacular 23 points! The winner was Mission Bananarama with 23 points. The leaders of the mission can pick up their gift certificate at the MathSoc office.

Last week's answers: **Songs:** 1) Great Big Sea, Consequence Free; 2) Counting Crows, Round Here; 3) Santana/Wyclef, Maria Maria; 4) Third Eye Blind, Jumper; 5) Citizen King, Better Days. **Movies:** 1) Star Trek II, Ricardo Montalban; 2) John Payne, Miracle on 34th Street; 3) Bruce Willis, Die Hard; 4) Renee Zeleweger, Jerry Maguire; 5) Michael J. Fox, For Love or Money. **Government:** 1) Adrienne Clarkson; 2) Quebec City; 3) Prime Minister, Governor-General, Chief Justice of the Supreme Court; 4) 75; 5) Clerk of the Privy Council. **Literature:** 1) Mighty Casey Struck Out; 2) Anne Shirley; 3) England; 4) In Flanders Fields (Bonus: The Dressing Room of the Montreal Canadians); 5) Julius Caesar.

This week's questions:

### Song Quotes

1 pt for song, 1 for artist

- The Strands in your eyes that color them wonderful  
Stop me and steal my breath  
Emeralds from mountains thrust towards the sky  
Never revealing their depth
- Every little thing that you do  
I'm so in love with you  
It just keeps getting better  
I wanna spend the rest of my life with you by my side
- Just close your eyes and I'll take you there  
This place is warm and without a care  
We'll take a swim in the deep blue sea  
I go to leave and you reach for me
- Comin' down the world turned over  
And angels fall without you there  
And I go on as you get colder  
Or are you someone's prayer
- Remember the good times that we had?  
I let them slip away from us when things got bad  
How clearly I first saw you smilin' in the sun  
Wanna feel your warmth upon me, I wanna be the one

### Movie Quotes

1 pt for actor, 1 for movie

- "Who is this person who speaks to me as though I needed his advice?"
- "Now, don't you worry. The saucers are up there. The graveyard is out there. But I'll be locked up safely in there."
- "I'm gonna let ya' in on a little secret, Ray. K-Mart sucks."
- "Number one, I don't remember how often I used to jerk off, but it was a lot. Number two, I wasn't pissed off at my dad, even when I was old enough to know what he and mom were doing in the bedroom. Number three, I don't look in the toilet before I flush it. Number four, I haven't wet my bed for a long time. Number five, why don't the two of you go fuck yourselves; I'm outta here."
- "Do not speak to me of rules. This is war! This is not a game of cricket!"

### Catholic History

- Which Pope started the Crusades?
- What hereditary title does the British Monarch hold that, ironically, was bestowed upon them by the Catholic Church?
- The head of which church was recently criticized for calling some of the bible stories myths?
- Who was the first Catholic President of the United States?
- After Henry VIII, what British monarch attempted to restore England to Catholicism?

### Hockey

- Who was the commissioner who sparked the Montreal riots by suspending Maurice Richard?
- Who was the first black goalie to win a Stanley Cup?
- When the Ottawa Senators were moved in 1935, what city did they move to?
- What was the first team to win the Stanley Cup?
- What did Georges Vezina die of?

Andrew "future stats major" Drummond  
Daryl "Teddybear" McEachern

## gridCOMMENTS

Yes, well, that last grid went over well, didn't it? Too busy looking at Mathim, I guess.

There were no correct submissions for that last grid, which had a David Letterman theme, with DAVIDLETTERMAN, WORLDWIDEPANTS, and QUINTUPLEBYPASS as the main Across answers. The finished grid also includes the words STUPID, HEART, and TRICKS on the diagonals, something which made the creation of the grid incredibly difficult. Never again!

Since Mission Bananarama had the closest to correct answer, the big C&D gift certificate goes to that group.

This one is probably a better grid, since there are no bunches of random letters. There are, however, a couple of repeated words that somehow found their way into the grid twice. I should really use just one stream of consciousness to do the entire grid.

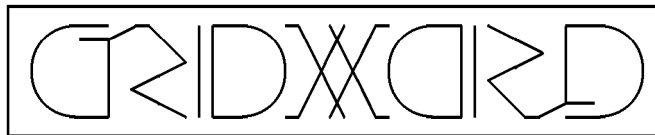
Be sure to get your finished grid into the BLACK BOX or mailbox by March 27, 2000, along with your answer to the question "Can you spare a dime?"

The Unfortunate GridMaster

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A blug a glug glug: Greg Taylor, Richard Bilson, Chadwick Severn



## Grid Clues

### Across

1. New kind of television
5. A noodle whip
9. New powerless form of government in 416/905
13. Sound you make when you're excited
14. Centre at Disney World
16. Transformer Girl (2 letters spelled out)
17. Pretty nice place
18. What Internet providers charge you for
19. Big bear sound
20. Crappy N64 game
23. Seeing body part
24. French me
25. Bug
28. What we do around the house
31. Northern continent
35. — It Cool News
36. Irish group
37. Medical News Network (Abbr.)
38. Crappy Dreamcast game
42. Power Conversion Equipment (Abbr.)
43. Can metal, sometimes
44. 'I cannot tell —' (2 words)
45. Fellow from Middle East
47. Keeps your neck warm
48. Kind of kat
49. I'm stuck in one
51. Small demon
53. Crappy Playstation game
62. Canadian —
63. — Vice
64. N64 game maker
65. Dressed in
66. Banana —
67. Resident —
68. Sewn parts
69. Fine lady
70. Put out the cards

### Down

1. Weeded with big fork
2. Chap in Princess Di Crash
3. Didn't win nor lose against
4. Blood feud
5. Bad disease
6. Dog breed Lhasa —
7. Get your picture into the computer
8. Poet James —
9. Actor Andy —
10. ST:TNG character
11. Whoops, it's the same as 7 Down
12. Actor Peter —
15. Parts of a contract
21. Internet slang for 'Too wise'

22. Administrative Officer (Abbr.)
25. Intakes of air
26. Nephew's sister
27. Ire
29. Not Ands
30. Italian staple
32. When in the camera's viewfinder...
33. Type of bellybutton
34. Whoops, crap, another repeated clue, this time with 27 Down. I really should be more careful
39. Kind of tree
40. Kind of car
41. Couldn't do it because of interference
46. Kinds of dogs
47. Parts of flowers
50. Not down
52. Host of an event
53. Scratchy place
54. African river
55. Small portion
56. Cheese —, mmmmmm
57. Chip's partner
58. Put together ones MP3 set
59. Presidential movie
60. Musical piece
61. Shout

1	2	3	4		5	6	7	8		9	10	11	12
13					14				15		16		
17					18						19		
20				21						22			
			23						24				
25	26	27			28	29	30			31	32	33	34
35					36						37		
38								39	40		41		
42							43				44		
45			46		47						48		
			49	50					51	52			
53	54	55				56	57	58			59	60	61
62					63						64		
65					66						67		
68						69					70		

**Answers to last issue's popular grid can be found next issue...if we find our solution sheet.**