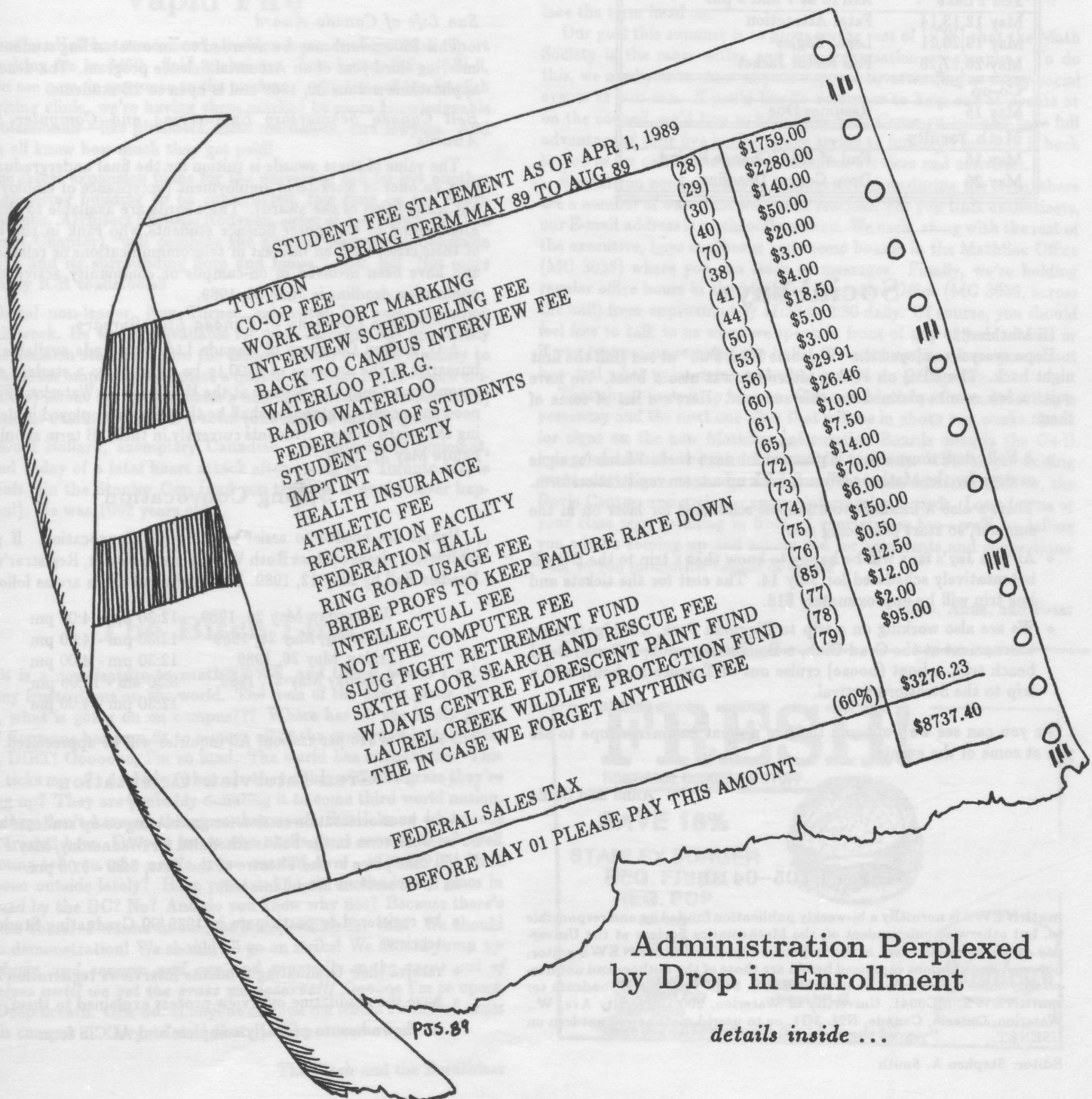


math NEWS

Volume 50 Number 1

Friday, May 12, 1989



Administration Perplexed
by Drop in Enrollment

details inside ...

LookAhead

mathNEWS	
May 29	production nights: Come out
June 19	and be a part of mathNEWS!
July 3,24	
June 1	Issue #2 hits the stands
Cinema Gratis	
May 16	Innerspace Beetlejuice
May 23	The Cat Came Back Blade Runner
May 30	Balon Rouge The Mission
Fed Flicks AL113 at 7 and 9 pm	
May 12,13,14	Fatal Attraction
May 19,20,21	Legal Eagles
May 26,27,28	Full Metal Jacket
Co-op	
May 15	Resumes Due
Math Faculty	
May 15	End of Add/Change Period
May 29	Drop Course Deadline

Social says

Hi Mathies!!!

Hope everyone enjoyed the "Welcome Back Pub" at Fed Hall the first night back. The BBQ on Friday afternoon was also a blast. We have quite a few events planned for this summer. Here's a list of some of them:

- A Volleyball tournament is planned for next week. Watch for signs or drop by the Mathsoc office to pick up a team registration form.
- There's also a baseball tournament scheduled for later on in the summer, so start practicing now.
- All you Jay's fans will be happy to know that a trip to the DOME is tentatively scheduled for July 14. The cost for the tickets and bus trip will be approximately \$18.
- We are also working on a trip to Bingman Park, a bridge/euchre tournament at the Grad Club, a Bombshelter pub, a Grand Bend beach trip, a boat (booze) cruise out of Toronto harbour, and a trip to the Stratford festival.

As you can see we want you to have a great summer. Hope to see you at some of the events.

Anna and Stella

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Editor: Stephen A. Smith

Faculty Facts

Scholarships and Awards

Arthur Andersen Management Consulting Scholarship

Two annual awards valued at \$400 each are given to students entering their 3A term in either the Faculty of Engineering or a Co-operative Mathematics program. Selection of recipients will be based on academic achievement, active participation/leadership in extra-curricular activities, ability to communicate and career objectives of implementing change through Application Systems Development and/or Manufacturing Process Improvement. Relevant work-term experience will also be considered. Applications should be submitted to the Student Awards Office during the student's 2B term. The application deadline is June 30, 1989.

Sun Life of Canada Award

This \$500 award may be awarded to an outstanding student who is entering third year of an Actuarial Science program. The deadline for applications is June 30, 1989 and is open to 2B students.

Bell Canada Scholarship Engineering and Computer Science Awards

The value of these awards is tuition for the final undergraduate year plus an offer of work-term employment (acceptance of employment is not a condition of the award). The awards are available to third year Engineering or Computer Science students who rank in the top half of their class, have an interest in telecommunications or related fields, and have been involved in on-campus or community activities. The application deadline is June 30, 1989.

A.C. Neilsen Company of Canada Ltd. Bursary

A.C. Neilsen Company of Canada Ltd. has made available several bursaries in the amounts of \$500 to be awarded to a student entering second year Computer Science at the University of Waterloo. Financial need and academic standing shall be the criteria employed in determining the award winner. Students currently in their 1B term should apply before May 31, 1989.

Spring Convocation

Ushers are needed to assist with Spring Convocation. If you are interested, please contact Ruth Witmer, receptionist, Registrar's Office, Needles Hall by May 12, 1989. The times and dates are as follows:

Wednesday, May 24, 1989	12:30 pm - 4:00 pm
Thursday, May 25, 1989	12:30 pm - 4:00 pm
Friday, May 26, 1989	12:30 pm - 4:00 pm
Saturday May 27, 1989	8:30 am - 12:00 pm 12:30 pm - 4:00 pm

The salary is \$18 per session. All inquiries will be appreciated.

Grad Interview Orientation

A 1½ hour orientation session for graduating co-op students who will be on work term in the Fall is scheduled for Wednesday, May 17, 1989. It will take place in the Theatre of the Arts, 3:30 - 5:00 pm.

In these sessions attendants will:

- be registered to participate in 1989/90 Graduating Students Interviews
- receive their Graduating Students Interviews registration kits
- have the graduating interview process explained to them
- be shown how to properly complete and ACCIS form

Attention Class of '90

The Grad Photo dates are now confirmed. They are May 31st and June 1,2,5 and 6th. Remember these are the photos that will appear in the yearbook and be used for the class composite. Please sign up in front of the C+D between May 18 and 25 from 11:30 AM to 1:30 PM. There is a sitting fee of \$15 which will give you your proofs, a composite photo and your picture in the yearbook. See the display case in front of the C+D for more info or call Steve Robinson, the Grad Photographer, at (416) 389-4306.

Stephen

Vapid Fire

- Needless Hell has announced a sudden increase of the work report marking fee to \$450. Said spokes-mr. Ima Lotta, B.Sc., "Well, you see now, in response to the students' criticisms of the English writing clinic, we're having them marked by more knowledgeable professionals—like plumbers, auto mechanics, and lawyers. And we all know how much they get paid!
- The latest expansion plans for the university call for yet another engineering building to be constructed, this time on the North Campus. Architect Michelle Nouveau, sister of Art, says E IV (The Vinyl Chapter) "will combine the natural essences of Columbia Lake and its surrounding flora and fauna." Oh, no! Not more smelly ICR toadstools!!
- Liberal non-leader, Non Turner, submitted his non-resignation this week. He was not available for non-comment, but apparently the decision stemmed from the embarrassment over his inability to (pause for emphasis) complete a question (longer pause - more emphasis) about the non-minister's non-budget (really overact here) without coming across as a total (cut back to hockey game).
- Harold Ballard, exemplary Canadian good sport and diplomat, died today of a fatal heart attack after seeing the Toronto Maple Leafs win the Stanley Cup (and you thought it would never happen!). He was 1062 years old.

#\$!&((

The Bitch Line

This is a new feature to mathNEWS, and this is where I get to vent my frustrations on the world. The item of the day is grass. First of all, what is going on on campus??? Where has all the lovely grass gone? Someone has seen fit to remove all of the grass, and install in its place, DIRT! Ooooooo, I'm so mad. The world has enough dirt. This really ticks me off. And hey, what are they doing with the grass they're ripping up? They are probably donating it to some third world nation. As if they don't have all the grass they need. But I know who needs grass around here. Do you know who needs grass around here? Well I'm gonna tell you *who needs grass around here. WE DO!!!!* Have you been outside lately? Have you tried to sit on the lovely grass in the quad by the DC? No? And do you know why not? Because there's no grass there! I wanna know who's responsible for this! We should hold a demonstration! We should all go on strike! We should *jump up and down and scream and cry and generally make asses out of ourselves until we get the grass we deserve!!!* Ooooooo I'm so upset. OK. Deep breath. OK. So. If anyone can tell me where I can find grass on this campus ... forget I said that. Until next issue ...

The Bitch and the Breathless

Soc Toc

Right on, it's the summer! Great weather, scantily-clad members of the opposite sex, frisbees, BBQs, sun, sand, and surf! We at MathSoc are looking forward to bringing it all to you (or you to it) all term long. The summer is *the best* time to hold all kinds of social events and our calendar is already looking pretty full (see Anna and Stella's social column for more details). We're aiming for an average of at least one event per week until finals, so keep your weekends and evenings as open as possible and you won't be disappointed.

Already this term we've held two events: our Video Night at Fed Hall (to a mixed reaction at best) and our first of many BBQs beside the MC main steps. We've had our first and second MathSoc council meetings, our executive has been appointed, most of the Class Reps have been elected, the office is open for business, and we're pretty much ready to face the term head on.

Our goal this summer is to prove to the rest of U(W) that the Math Society is the most active and fun organisation on campus. To do this, we need you to show us your support by attending as many social events as you can. If you'd like to volunteer to help out at events or on the council, we'd love to hear from you. Come on out and take full advantage of your five bucks—we're trying to funnel as much of it back to you as we can in the form of MathSoc services and activities.

Should you need or want to contact any of us during the term, there are a number of ways that we can be reached. For you Unix enthusiasts, our E-mail address is mathsoc@watdcsu. We each, along with the rest of the executive, have mailboxes and memo boards in the MathSoc Office (MC 3038) where you can leave us messages. Finally, we're holding regular office hours in the MathSoc Executive Office (MC 3039, across the hall) from approximately 11:30 to 2:30 daily. Of course, you should feel free to talk to us when we speak in front of any of your classes or if you just see us roaming the halls. We want to hear from you about how and what we're doing and what we can do to improve.

That about sums it up for now. Our next MathSoc Council meeting is yesterday and the next one after that will be in about two weeks. Look for signs on the new MathSoc Information Boards outside the C+D lounge and beside the third floor middle stairway. We'll be publicising events with banners on the third floor, the main entrance window, the Davis Centre, and various campus information boards. Look for us or your class reps speaking in front of your classes too—we'll be telling you what's coming up and asking you for comments and suggestions. Talk to you in another couple of weeks!

Tom, Anne, and Peter

FRESH!

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from WLU



"taste the difference of a freshly made burger."

Prof Quotes

The best of the worst

It's a new term folks, and that means another four months of entertainment from our beloved profs. Since most profs were careful not to say anything embarrassing during the first week of classes, here are some of the best quotes from last term. Submit any funny stuff you hear in the BLACK BOX across from the Comfy Lounge on the 3rd Floor or under the mathNEWS(MC3041) door.

"... and a little punching your calculator into submission gets you the answer."

Morrison PHYS 122

"Hash tables have nothing to do with dope."

Munro CS 340

"Who wants to be cookie monitor? It's a senior management position."

Best C&O 350

"Styles are changing all the time. I don't like that. It means I have to buy a new tie every year."

Dunkley C&O 270

"No, no, no. Slap my face! That's wrong."

Coburn CS 438

"Kind of reminds me of the wife first thing in the morning. In mathematics we call this an indeterminate form."

Honsberger C&O 220

"Are we past the drop & add date? No? Well I'd better start the course anyways."

Bennet STAT 331

"PETN is an explosive. It's used for... uh... explosions."

Mackey CHEM 265

"You can work out roughly what 'nothing' is."

E. Heasell EL E 333

"This, of course, only works when W is equal to itself."

F. Tang MATH 234A

"So to demonstrate a soft reflection, get yourself a whip. I'm sure you all have one in your bedrooms."

Snyder PHYS 122

"The questions on the midterm will be numbered 1 to n, n being a significantly large integer."

Munro CS 340

"Taking theory is like taking medicine. You take it once and then it's over... sort of."

Siegel MATH 230B

"All you have to do on the midterm is start with this and end with that. The markers are too busy to notice any difference anyways."

Younger MATH 234A

"Suppose it's raining Real numbers..."

Staal PMATH 430A

"There is more to relationships than linear things."

Brendar ACTSC 338

"Everything is either hard-on or hard-off in this circuit."

Heasell EL E 333

"In some parts of the U.S., pregnancy is considered an act of God."

Reynolds MTHEL 305B

"The chalk board brushes are breeding!"

Springer ACTSC 221

"Now the chalk is multiplying too!"

Springer ACTSC 221

"Next week's fluid dynamics seminars at the Heuther can begin with a discussion of this."

Munro CS 340

"We take a series of dicks... WHAT DID I SAY?"

C. Struthers, MATH 130B

"Global variables... which are the devil's contribution to programming."

D. Hare, CS 335

"That's my six-year-old daughter, and I fling her up in the air and if she's lucky, there's someone there to catch her."

Ponzo, AM 260

"I was pretty naive at the time. Maybe retarded."

Ponzo, AM 260

"I went into computer science because I couldn't do arithmetic."

Cormack, CS 241

"That's the greatest thing about being a teacher. You can start saying things you don't understand instead of learning them."

Younger, MATH 234B

And one Fed Rep Quote:

"I'd like to take off all of my clothes and roll around naked in the Pink Tie."

Roger M. Tudor

Limerick of the Week

There was a rag called the Imp'tint
In all but writing they would not stint
So half of each run
Molders in the sun.
You'd think they might take the hint.

The Rubber Mallet of God

Ultra Classifieds

Wanted—just about anything printable. Humor optional. P.O. Box: Block.

FASS writers meeting May 13. No qualifications required, except ability to find the meeting.

SWAP—Anyone willing to trade snow repellant for a season's supply of insect repellant?

For Sale, Cheap: Palladium rod, platinum coil. Will throw in some heavy water free. Contact Dr. Pons, U of Utah.

Clearance Sale: Doug's Disco Delight. New and used disco records going cheap. Free album from Imp'tint countdown with every purchase.

Wanted—federal election candidates for the newly formed party, Invincible, Determined Idols of Texture. Candidates must have prior experience in financial scandal. Former student council executives only need apply.

Announcing ** NEW IMPROVED ** ACCKWA-Velva: aftershave for the otherwise inclined.

et al.

Top Ten Ingredients on a Food Services' Pizza

10. ICR mushroom stools.
9. Sgt. Pepperoni.
8. High-calibre-exam-strength caffeine pills.
7. Stanazonol.
6. U.S.S. Iowa fragments.
5. CSC bits & bytes.
4. Shane Charmichael's moral attributes (extra cheese).
3. Toronto Maple Leafs' used golf balls.
2. Federal surtax.
1. Pons and Fleischman secret ingredient.

PSYD)

Proof of the Week

Consider the inequality $\frac{-1}{x} < 2$ which has solution for $x > \frac{-1}{2}$. Any Waterloo Mathie will notice that $x \neq 0$ so the solution set is $\{x | x > \frac{-1}{2}\}$. Although $\frac{-1}{x}$ is not defined at $x = 0$, consider the left limit as $x \rightarrow 0^-$, taking on negative values which are greater than $\frac{-1}{2}$. As $x \rightarrow 0^-$, $\frac{-1}{x} \rightarrow \infty$ thus the resulting inequality is $\infty < 2$. Therefore ∞ is much smaller than we thought or else 2 is much larger than suspected at first glance.

A Descartes Fellow

mastHEAD

Well folks, this is my first term as editor, and things have got off to a bit of a bumpy start. My apologies for the shortness of this issue, but we didn't get too many people out this week. Many many thanks go out to the few that did show up: Dave Balkwill, Andrew Tron, Dave Weil, Carolyn Duke, Roger Maxwell, Paul Sahota, Karen Wasslen, and Herman Tse. Thanks also go to Gino's Pizza, Marion and Graphics Services, DCS and the I/O room people.

Stephen A. Smith

mathNEWSquiz #1

Well, well well . . . I guess we're all back for a fun-in-the-sun filled semester. That is, of course, if the sun ever comes out again. So, did y'all have a nice work term? And are ya glad to be back in school? And are y'all glad that you NO LONGER have to worry about your FRIGGIN' WORK TERM REPORT???! I know I am!

So, this is the part of the article where I will normally put the solutions to the previous issues quiz. But this issue, being the first, there ARE NO PREVIOUS ISSUE'S ANSWERS. For those of you who don't pay attention, and are looking for the solutions to the LAST quiz from LAST term, you will find them posted on the door of the mathNEWS office (MC3041).

Answers to this week's quiz can be stuffed into the infamous BLACK BOX or slid under the mathNEWS office door. Answers will be posted in this spot next issue, and winners names/pseudonym will be printed here. So, if you wanna see yer name in print, this is a good way to do it. By the way, winners receive a fabulous, wonderful and exciting prize, which is far too valuable to even mention here . . . have I aroused your curiosity? Well then, get squissing!

If you find that this squiz is a little hard, that's because I've seen too many near-perfects recently. Ha ha!

Music

1. What was the top selling *Canadian* single in *Canada* between the years 1975 and 1988?
2. Where was Mick Jagger born?
1. As part of a duo, he had the Grammy Awards #1 record in 1968, the #3 record *and* album in 1970, and as a solo artist, the #1 album in 1975, and the #1 record in 1987. Who is he?
4. What group was the Juno Award Group of the Year in 1975?

Names In Entertainment

5. She was born Norma Jean Mortenson. What do we know her as?
6. He was born Harold Lipshitz. He changed his name. *Wouldn't you?* Who is he now?
7. What is Sting's given name?
8. He performs as Alice Cooper. Who did he used to be?

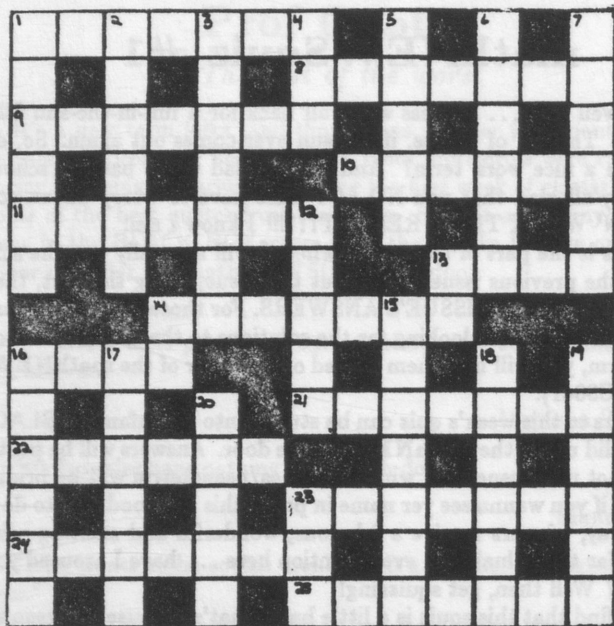
Where In The World?

9. Which two-country border is also known as the forty-ninth parallel?
10. In which Canadian province will you find Binscarth?
11. Which two countries border the Caspian Sea?
12. Where would you find the Nicholas Channel?

Canadian Justice System

13. What is Canada's highest Court of Law?
14. In March, 1984, Susan Nelles was charged with the murder of four infants in what Canadian hospital?
15. What is the claim to fame of Ronald Turpin and Arthur Lewis in an event on December 11, 1962?
16. Who is the alleged murderer of twelve year old Lynn Harper, killed in June of 1959?

Shooter
The mathNEWS quizmaster
(That's me!)



GRIDWORD

Gridcomments – A New Beginning

Hi we're back. And we've got a new GridWord, all ready for you to fret over (and perhaps solve). If you manage to solve it, and submit the solution by the Monday before the next issue of mathNEWS hits the street, you may win a prize (the coveted Math Tie-pin). So if you have nothing better to do in your Friday morning class than listen to your prof, then heed the call of the GridWord, the call you can't resist: "Do me! Do me now!"

CYBERman

P.S. To the girl who walked in to the mathNEWS office offering to do the GridWord, but who walked out upon hearing that the job was taken: We the Gridmasters are not long for this University. In the fall, we shall be off to strange, exotic lands. It is imperative that we groom a successor. So if you come up with a full GridWord (or even a partial one), we would be happy to have you on as our guest Gridmaster.

Cryptic

Across

1. Lust can overtake charge (7)
8. Snake stop on the pavement (7)
9. Tending to race back to chant (7)
10. We are in judicial tool for road surface (6)
11. Official downpour of chorus (7)
13. Generic author can lean on words (4)
14. Stress the highest of the faceless to the charge (7)
16. Peruvian bean (4)
20. Desired what you made (7)
22. Pale friend on top (6)
23. Creatures slam in a backward state (7)
24. Beer quoted as ecstatic (7)
25. The oven is on for this meat (7)

Down

1. Criticize the attempt on the shelf (6)
2. Battle for scrambled French fries (6)
3. First person in Boston tech school consumed ape (7)
4. Pester a horse (3)
5. Game on the southpaw side of a ship (5)
6. Spoil five in an android (6)
7. Delayin' the despot (6)
12. A rude inapplicable pigpen (5)
13. One short word (2)
14. Half a bodacious set of teaching assistants (2)
15. No rational explanation for speech (7)
16. Falls into seats of planners' faculty (6)
17. Evil intentions for a degree of pests (6)
18. Boleyn, Schweitzer and Einstein will go down in history (6)
19. Edward the First's offspring had a bright idea (6)
20. Treasuries for your breath (5)
23. Triad very shortly modifies verb (3)

Name: _____

Favourite Replacement
for John Turner: _____

Comment: _____

Ode to Michael Wilson

- A Former Beer Drinker

You raised taxes on booze and smokes
 "Mom send more money! Or I shall go broke"
 "Cut and Slash!!" You yell and yell,
 But your own overspending you refuse to quell.
 You promise to protect our culture under free trade,
 But eyeing the CBC, you sharpen your blade.
 Cutting the deficit you say is your goal,
 But with this budget we're even more in the hole.
 Now even our travel you refuse to allow,
 100 million less a year to Via death will be spelled.
 So all I can say to you my dear Mike,
 Is I'll be drinking my water and riding my bike.

Filler

Yes ladies and gentlemen, you too can join the continuing fight against the scourge of meaningless and boring filler that you are reading right this moment. Yes, you can do your part to save Waterloo mathies ... no, all of mankind, from dull, meaningless, repetitive, boring drivel (not to mention stupid) exactly like this.
 Come out and write articles!!

THE ED

Integer of the Week

-257