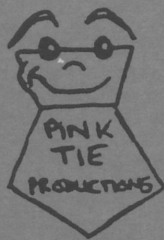


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COMICS

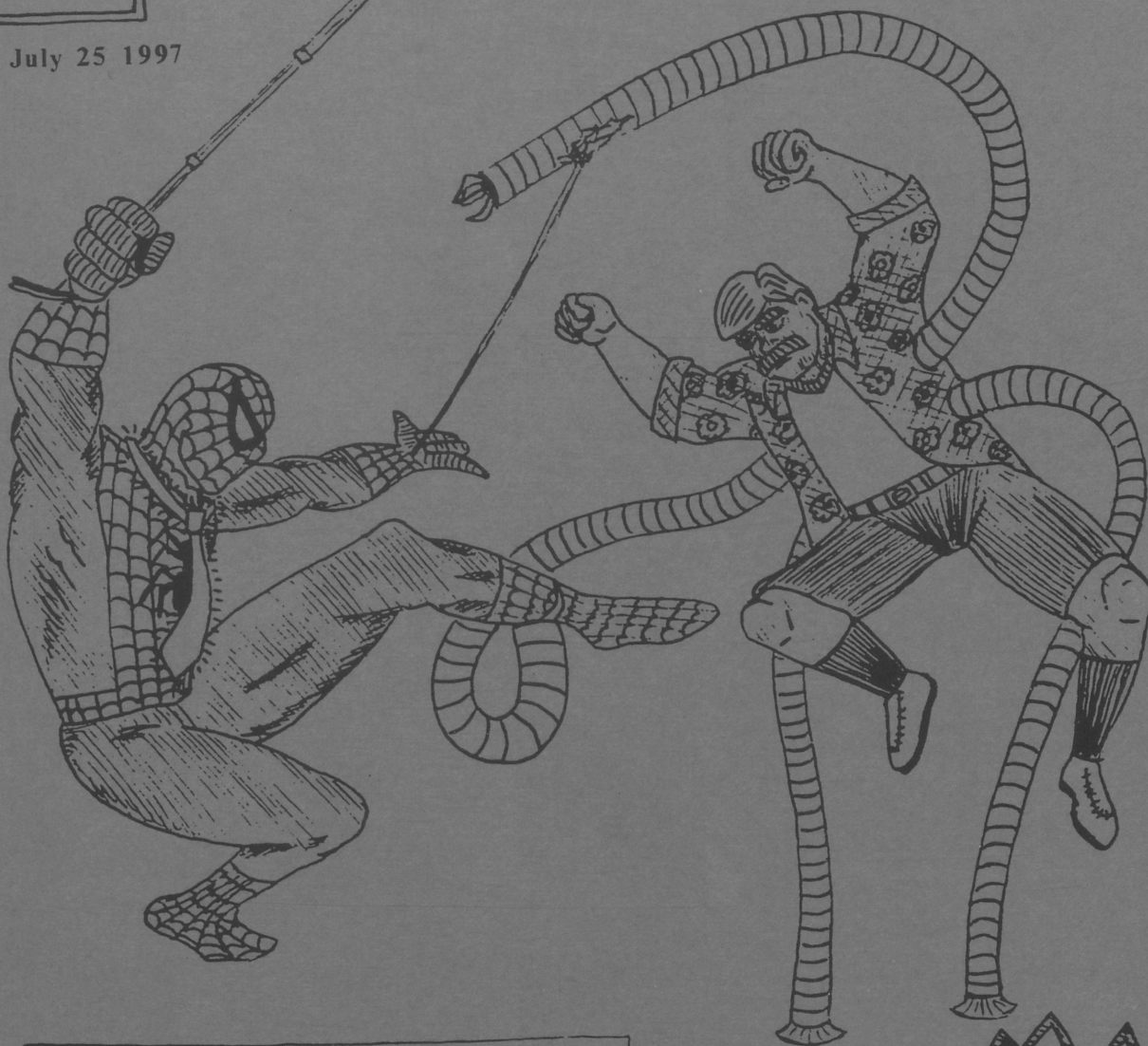
THE AMAZING

# MATHIE NEWS



FREE  
VOLUME 74  
ISSUE 6

Friday July 25 1997



CAN SPIDEY STOP THE  
EVIL DOC RICHMOND  
FROM SEIZING CONTROL  
OF THE PINK TIE FOR  
HIS OWN FIENDISH PURPOSES?

THE G&O  
WAR  
PART 1

mathNEWS is normally a fortnightly publication funded by and responsible to the undergraduate math students of the University of Waterloo, as represented by the Mathematics Society of the University of Waterloo, hereafter referred to as MathSoc. mathNEWS is editorially independent of MathSoc. Content is the responsibility of the mathNEWS editors; however, any opinions expressed herein are those of the authors and not necessarily those of MathSoc or mathNEWS. So if you gotta problem with anything that's in this issue, don't come whining to us because we're just going to point the finger at some poor schmuck. I mean, that's why they put their names there, right? So that you can hunt them down and take their skins for doormats because you decide that they're some complete waste of genetic material whose opinions are wholly and utterly wrongheaded because they don't agree with yours in every particular? Although we'd really appreciate it if you wouldn't, because we need all the warm bodies in front of terminals on Production Night that we can get. And anyhow, we love our volunteers. So just forget about it, buddy. And while you're at it, would you please stop rubbing in the fact that you got to go to some stupid Rush concert a few weeks back while us editors were stuck here in K-W? We know already, OK? Give it a rest, it's not like it makes you God or David Jackson or someone. Besides, we've seen Rush in concert lots of times before. OK, once. And it was a long time ago. Just shut up, alright? By the way... I'm an elk, shoot me! We're not bitter, we're just opinionated. Please note that the editors of this publication make no excuse whatsoever for any vengeance expressed or implied in these pages; not that any excuse is needed, because of course we would never stoop so low as to try and satisfy primal needs for revenge by publicizing the names and misdeeds of anyone who crosses us; we're just not the type who would do something as mean, nasty and underhanded as that. In fact, I might go so far as to say that we never abuse the power and authority vested in us as editors of this fine work of semi-journalism. Although you know, if we were to go in for some abuse of power, then whoa Nelly, the stories that I could tell you... But I just said that I wouldn't, so there. Too bad. Ya see... you're on a need-to-know basis, and you don't need to know. So you'll just have to suffer in ignorance for now. Maybe if you stop by our office with a six-pack we'll let you in on the great stories. Mm, maybe make that a twelver. And while you're at it, any cover art, masterful pieces of journalism, or C&O finals for this term that you've got lying around would be appreciated as well. But the six-pack or twelver is very important. Actually, any kind of booze will do. I've been drinking more and more these days. But of course, it wouldn't have anything to do with finals or people going off on workterms and... whoops, I said too much again. But don't worry... I won't tell anyone. Oh, and continued thanks from us for wearing pants. And thanks for reading this far, too. Do you have any idea what it's like for us, stuck in this cramped little office for two days every fortnight putting this whole thing together? So, like, have some sympathy, have some courtesy, have some taste. Whatever. Hey, bet me that the year of my birth doubled is an odd number. Don't trust me? Your birth, then. Go on. Ah well, can't fool you, I guess. Don't blame us... it was just a rookie mistake. Would you like Constitution #1, #2, or what's in the box? Come one, come all, and join the Crispy-342 pool! Pick a number between 0 and 100 and we'll call you sometime after the evening of the 7<sup>th</sup> to tell you if you've won! Or you can put your money on the special-odds "he'll worm out of this one too" pool! All hail the Bomber! The Fryer has returned and all is well once more! We must celebrate, and there's only one way to do that: go to the Bomber. Let the Fryer know how much it was missed by ordering as much greasy food as you can stomach, washing it down with 50 (if you have ambitions of baldness) or Dark (if you rather like having hair, thank you). Although I must say that quality of life in this office has improved since we got the tunes-box. Not to mention the increased exposure of Math students at large to Rush. In fact, any time you feel like hearing some Rush, just come by the office & let us know... we'll be glad to oblige. You know, it's time to seriously start feeling old when half your friends are either married or have definite intentions to become that way within the next couple of years. Perhaps you're getting annoyed with the mindless babbling and in-joking that we've packed this with... Unlucky. You don't like it? Tell us that, then. We're kinda curious how many people are really reading this shit. And we go an entire term and no original T-shirt suggestions! You all suck. Have you ever noticed how good the Montreal-style bagels in the C&D are? Try 'em, you'll like 'em. Token math content:  $V(G) \geq (\kappa(G))(diam(G) - 1) + 2$ ... why? Beats the fuck out of me. Current and back issues of mathNEWS are available electronically via the World Wide Web at <http://www.undergrad.math.uwaterloo.ca/~mathnews>. Send your correspondence to: mathNEWS, MC3041, University of Waterloo, 200 University Ave. W., Waterloo, Ontario, Canada, N2L 3G1, or to usid mathnews@undergrad.math.uwaterloo.ca on the Internet. Like you're going to write to us anyways. Hey, I found a book!

We're not just smooth, we're crazy smooth: Matt "So-Krates" Walsh, Brian "Calculus Cowboy" Fox

## Vandals Strike on the 4<sup>th</sup> Floor

You know who you are. The people that vandalised the door of the Math Endowment Fund sometime on the weekend starting July 11. Vandalism is not appreciated by anyone, especially when it could be hurtful towards the faculty, staff and students of Math.

If anyone at any time has any questions or concerns regarding the Math Endowment Fund, the way it is managed, where the money goes from the voluntary student contribution, etc., please feel free to contact me through email at: [mefcom@undergrad.math](mailto:mefcom@undergrad.math), by phone at x5757, or come to see me in MC4046 and I will try to answer your questions to the best of my knowledge.

Remember that the Math Endowment Fund (MEF) is an organization designed to "function as a semi-autonomous non-profit organization within the University of Waterloo". "The objects of MEF are, subject to Section 3 of the University of Waterloo Act, 1972, to raise funds to be used for an ongoing commitment to improving undergraduate mathematics education at the University (of Waterloo) and to make recommendations with respect to the investments and administration of such funds and the application of such funds in furtherance of such improvement." Both of these are taken from the Mathematics Endowment Fund Constitution which is available in its entirety, along with all of the bylaws, on the web at: [www.undergrad.math.uwaterloo.ca/~mefcom](http://www.undergrad.math.uwaterloo.ca/~mefcom).

Thank you,

Lori Cook  
MEF Spring Director

## mastHEAD

*Please! Last one out, turn off the lights*

At the moment, we can't put 5 words together. So how we accomplished the task of writing these sentences is beyond us. Not even the Love Unlimited Orchestra can help us now.

So, here we are. Last issue. Yay.

Well, we had a pathetic turnout tonight. Thanks to everyone who decided to be the exception rather than the rule. And they are (along with the reason why they couldn't answer the mastHEAD question (which, I have to say, is one of the lamest questions we've had in recent memory)):

Warren "The Milkman" Hagey (3B CS/Teaching, Oops! I think I blew this one...), Richard Bilson (2B CS/EEE, I was too busy trying to think of a better mastHEAD question.), Chris McGuire (2B Teaching, What mastHEAD question?), John Swan (3N Math, 12 hours of absolutely doing nothing but statistics.) and Stuart "Jean-Guy" Pollock (Gruntled Former Editor, Too busy applying for a passport to get outta here.)

Usual thanks to Domino's Pizza for yummy Production Night treats and to Marion and all the folks at Graphic Services for photocopying the issue until the wee hours of the morning for us.

Well, that does it for another term. I hope you enjoyed us somewhat this term. And until we meet again...

Brian "Latrell" Fox (500N AM, I spilt my beer.)  
Matt "So-Krates" Walsh (3A C&O/PMATH, )



## An Update from Me

I thought I'd give all you lovely, beautiful people out there an update as to what the Dean of Math Nominating Committee is up to these days.

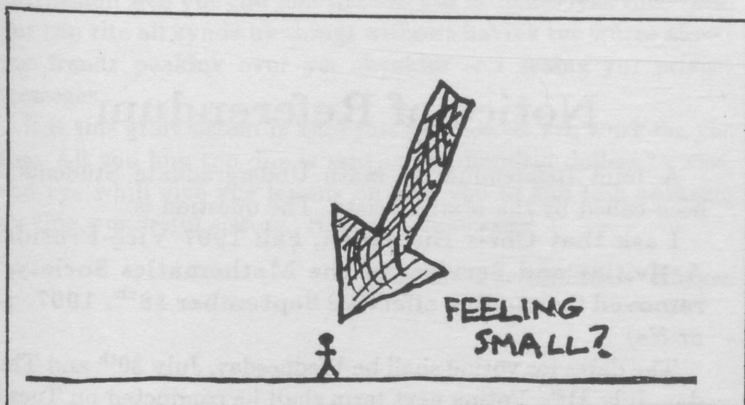
First of all, I'll answer that question which is foremost on some of your minds: What is the Dean of Math Nominating Committee (or DoMNC for short)? Well, as you may or may not know, the term of office of our current Dean, Dr. Jack Kalbfleisch (or Black Jack as he's been affectionately named), is up at the end of June, 1998. This means we need a new Dean to lead us through the maze that's the University and to the magical pot of gold at the end of the rainbow (or a degree I suppose). Anyway, the DoMNC's job is to find the best person for the job.

The next question that I'm sure is on your mind is: Why do I care? Well, the Dean of Math is basically the head of the Faculty. He's the one who sets the tone, and acts as the representative of the Faculty to a whole bunch of people, including the other Faculties and to the University Administration. Basically, as some of those we've been hanging around the third floor this term would put it, "The Dean? Well, he the Man."

Having said that, let me tell you what we've done so far, and what we're doing next. We started by opening nominations, accepting applications, and advertising in a whole load of places that we're searching for a Dean. The deadline for applications and nominations was the 30th of June. Since then, we've met, and trimmed down the number of candidates to a workable number. We're now doing more research on the remaining candidates so we can get more information about them. Then in September we'll meet again, trim some more, and then start interviewing the remaining candidates. In the end, we'll (hopefully) have one name, which will be presented to Senate and the Board of Governors for approval.

Anyway, that's pretty much it for now. If you have any questions or concerns, let me know (and don't ask me who the candidates are, 'cause I can't tell you). You can find me around the third floor, the Real-Time lab, or you can mail me at [csbuchan@undergrad.math](mailto:csbuchan@undergrad.math). Anyway, good luck on your exams, and enjoy the rest of your summer.

Chris Buchanan



Submitted by Matt "I got to go to the Rush concert and the editors didn't nyah-nyah-nyah! Hooray for me!" Hildebrand

## Twenty-Four Hours of Bridge

*Sleep? Who needs it?*

Anyone who walked into the Comfy Lounge on Tuesday may have noticed eight slightly disheveled individuals sacrificing a few classes and a good night's sleep for the game they love and a worthy cause. I speak of the Twenty-Four Hours of Bridge-a-thon which occurred on July 22<sup>nd</sup>. Why would eight normally well-adjusted *jsnickerj* individuals do something as crazy as play Bridge for twenty-four hours straight? Officially, the response is that students like yourself give us money for our efforts so that it may be directed to Mary's Place, a battered women's shelter in downtown Kitchener. To be honest, though, I think we'd have done it just for the hell of it and because we love Bridge.

What is Bridge, you ask? **What? What kind of a Mathie are you??** [*One with more of a life than the rest of us, maybe?* —  $\Sigma$ Ed.]

This year's Bridge-a-thon marks a milestone in that it is the first term that we have had two full tables operating with the same people for the length of the event. Those hardy souls were Corey Gaudette, Keith Ellul, Andrea Knowles, Chris McGuire, Michael Brown, Ulrich Müller, Tim Coleman, and Ian MacArthur. A special thanks to those seven people who aren't me, and also to everyone who contributed funds (for Mary's Place) and food (for us!).

Corey Gaudette  
Treasurer, UWBC



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## gradNEWS

Yearbooks are now on sale. Make sure you buy yours this term or you are out of luck! They won't be on sale in the Winter. Cost is only \$35 for a book FILLED with memories that will last a lifetime. Come by the MGC office (MC 3029) to buy yours TODAY!

In order to fill up the yearbook, we need YOUR pictures. Dig up your old photos of you and your friends from the last 5 years. If you want your pictures returned, please write your name and email address on the back of them. Drop your pictures off at the MGC office ASAP. If we don't get more photos this term, then the candid/colour pages will contain mostly pictures of the other stream. Get your picture in the yearbook! If for some reason you haven't submitted your grad blurb yet, this is your last chance.

Don't forget to check out the home page: <http://www.undergrad.math.uwaterloo.ca/mgc> for more information on whats happening.

The Math Grad Committee 1998

## Everything One Needs to Know in Life Can be Learned by Reading mathNEWS

Welcome to the end of another term! It's time once again to review the wisdom to be found within the issues of the past months. Why? Because of the rave reviews I got last term! Or because I have some free time at work. Details, details... at any rate, have a look through this term's issues to see if you can also find the following tidbits:

1. Gino's pizza is the best deal near campus [2]
2. If at first you don't succeed, try, try again (or eat hot dogs) [3]
3. When playing bridge, beware people who sneak cards back into their hand after tricks [2]
4. Sometimes siblings can really get your goat [4]
5. MacIntosh machines crash [1] but there's an online FAQ [3]
6. Work with StatsCan means work regarding Samplists [5]
7. If you think driving on the 407 is bad [4], observe the situation in Korea [2] (I like the idea of blue signs, myself...)
8. Asparagus grows in fields [3]
9. Sometimes you just have to make up the rules as you go along
10. It seems almost anyone can run for office these days
11. Avoid name-calling
12. And finally, it's not so bad being si- actually, I'm not going anywhere NEAR that. Especially given my lowly status.

So, mathNEWS wisdom to reflect upon when you look over those previous issues instead of studying. Or instead of doing your work term report. Ahem. Anyway, I depart now with that obligatory comment: All hail Mercury, the goddess of love and exams!

Greg "hologrami" Taylor

## Blue Sayz

*Summertime is over!*

Hey all!

This looks like the last article I'll be writing for the Society.

To keep you abreast of goings on:

We at the Math Society would love to hear from you, our constituents about your opinion of the MAV. Contact your class representative, or if you don't know who they are, address your comments to one of the Math Society exec:

President Blue - [pres@mathsoc.uwaterloo.ca](mailto:pres@mathsoc.uwaterloo.ca)

VP Activities and Services - [vpas@mathsoc.uwaterloo.ca](mailto:vpas@mathsoc.uwaterloo.ca)

VP Finance - [vpf@mathsoc.uwaterloo.ca](mailto:vpf@mathsoc.uwaterloo.ca)

Our recent trip to Stratford was great. Everyone who went enjoyed the show. I'm hoping that as you are reading this the 30<sup>th</sup> anniversary BBQ that happened yesterday in the DC quad was a big success as well.

The Math Society has been undergoing talks on introducing a new Constitution. This issue has undergone much debate recently and is still not concluded. Needless to say that it will be brought back in the Winter 1998 term after the other stream has had a chance to review it.

Be sure to stop by the MathSoc office (MC 3038) for your final exam packages so that you can study well for all your finals this term. While you're there, get a Math Cheat Shirt. It can't hurt to have all the help you can!

On a final note, we at the Math Society have received many complaints about the sandwiches we sell in the C+D made by Blue Dog Bagels. If you have comments regarding them please stop by and let us know. We are currently looking at ending our contract with them due to the number of complaints but we would like more feedback.

I hope everyone has had an excellent term and enjoyed their summer here. Good luck on finals and I'll see you all again in Winter 98.

Blue.

## Notice of Referendum

A Joint Referendum of Math Undergraduate Students has been called by the Math Society. The question is:

**I ask that Chris Buchanan, Fall 1997 Vice-President, Activities and Services of the Mathematics Society, be removed from office effective September 18<sup>th</sup>, 1997. (Yes or No)**

The dates for voting shall be Wednesday, July 30<sup>th</sup> and Thursday, July 31<sup>st</sup>. Voting next term shall be conducted on Tuesday, September 16<sup>th</sup> and Wednesday, September 17<sup>th</sup>. Please come by the voting booth on the third floor of the MC to vote; a valid student card is required.



## lookAHEAD

|                       |  |
|-----------------------|--|
| mathNEWS              |  |
| July 24               | Issue #6 liberates the stands  |
| Math Faculty          |  |
| July 31               | Spring Term lectures end   |
| August 5              | Final Exams begin  |
| August 16             | Final Exams end  |
| August 17–<br>Sept. 1 | See that you leave Waterloo in an orderly fashion during this time           |
| MathSoc               |  |
| July 31               | Movie Night #7, 7:00 @ DC1302<br><i>The English Patient</i> and <i>Shine</i> |
| Miscellaneous         |  |
| July 27               | UWBC presents Crazy Bridge 3<br>8:00 sharp at Zeke's                         |
| July 31               | Last day for the Blue Jays to get rid of deadwood (i.e. most of the team)    |
| August 4              | Civic Holiday  |
| August 5              | Do you wanna get rocked?   |
| August 9              | U(W) ducks to hold end of term bash<br>(Note: It is BYOB.)                   |
| August 11             | Rush to play Fed Hall<br>(Didn't buy that one, eh? Damn.)                    |
| August 20             | Happy Birthday to Matt   |
| September 1           | Labour Day (but most of you probably won't be around here for that)          |

## Hukt on Fonix Wurkt Fur Mee

Eye imagin thair r alredee a lot uv yue who ar quite lost. However, it's reelee quite simpull – eye hav just bean spellink owt wurdz foneticallee. And if yue think it's hard reedin this, just think uv how hard it iz fur mee to right it owt in the furst place!

Won uf the thingz that iz difikult iz that sum wurds ent up beaink the saim, sew it dozint reelee provyed that mutch uv a chalench two the reedur. A gud thing thoe iz that eye kan spell the saim werd diferentlee eech tyme (oar at leest thair kan bee a fyue vaireashuns).

Soe, now that yur intoo it, what due yue think? Hoo neads encripshun wen yue cud just rite awl yur ee-males lyke this? End yue can rite all kyndz uv things withowt havink tue wuree abowt yur frendz peakink ovur yer shoaldur end seaing yur prievat messegez.

But this grait sistem iz knot just fur mee. It ken wurk fur yue tue. All yoo huv too due iz sent in five hundrid dollers to mee, end eye whill give yue lessens on how yoo to kan taik advantig uv this wunderful sistum. Happee foneticking!

Worein "The Milkman" Haygee

## profQUOTES

"Yes it's true... A parabola has a parabola shape."

Kolkiewicz, MATH 138

"This proof kills more brain cells than beer."

Astels, PMATH 336

"Philosophy majors don't think! They just write essays."

Lanctot, CS 466

"If anyone thinks you're gonna make money in astronomy, you're nuts... not that I'm bitter..."

Durrell, SCI 238

"I hope you're dyslexic so that you can read this."

Doniz, PMATH 334

"I'll probably mispronounce people's names wrong."

Doniz, PMATH 334

"We could hire women — it wouldn't affect our manpower."

Rehder, CS 432

"Now you all know what cannabis is. If you didn't, you couldn't get in here."

Downey, PSCI 231

"It's a nightmare. This is why I assigned it to you as homework."

Kotlov, C&O 480

"Oh, I'm in deep trouble... where did I go wrong?... [*Glancing at his watch*] Oh, I see we're out of time!"

Dickey, MATH 136

"The proof is boring, and I'm just not going to do it."

Zorzitto, MATH 148

"Now I'm old and I've probably eaten far too many aluminum saucepans..."

Cowan, CS 246

"I just may have given you credit for being smarter than you actually are."

Brandon, PHYS 122

"I'm sort of lying to you, but people lie to you in first year."

Bissonette, CHEM 125

## lecturerQUOTES

"Hi. My name is Brad."

Anonymous

It's the End of the Term  
as we Know it

*And I feel stressed*

## Life in Korea

### Volume 2

...And life goes on. Here are some more sights, sounds, and experiences from the other side of the globe:

#### Wacky English

Remember when the Karate Kid and Ninja movies were all the rage and everyone was wearing shirts, hats, and especially headbands with Chinese or Japanese symbols on them, but had no idea what they meant? The oriental writing just looked so "cool"? Well, it's the same way here, but with English. As a result, we see the strangest things written in various places, especially on stationery. (Koreans seem to love to buy huge amounts of stationery supplies, judging by the half dozen successful stationery stores in Hamyang). Here are some examples, ranging from simple typos to incomprehensible philosophical statements.

#### - MY FRIEND

You and I have to love long long. It is I get to road to you deared face.

- I like to stay in touch with my lived ones.
- Boy went to the toilet walk with hurried steps "Mammy, waste paper!!"
- He picked a lock. Just moment - "BOO", "DEAR ME!" (Who knows him?)
- An earnest man come to me still mine.  
Some where silent nod I am closing  
the door you stare at me with alone eyes calmly.
- When you problem, Remember I'll always beside you  
We are friend forever We play together all the time

#### More traffic follies (Actually witnessed by us):

- a man riding his big old Schwinn bicycle in the pouring rain holding a huge umbrella in his left hand
- 2 teenagers riding a moped in the rain; the driver steering with one hand while holding an umbrella in the other, the passenger not holding on at all because he was carrying a pizza off to one side with both hands
- late in the evening, a car stops in the middle of an intersection. A big guy gets out of the back, drags a much smaller man out of the driver's seat, and proceeds to yell at him loudly while throwing him repeatedly against a brick wall. Then they both get back in their seats and drive away.

#### More food

- at a restaurant we had *sora* - a large edible sea snail (bland and chewy) for which our apartment building is named (Sora Aparta)
- KFC copies abound: Donkey Fried Chicken, Mickey (Mouse) Fried Chicken, Pelican Fried Chicken, Bunny Fried Chicken
- boiled bugs for sale in the open market on special days; they smell quite awful but we are told they taste good
- "hamburger" from Pizza Pam/Burger Plaza around the corner: beef(?) patty, ketchup, mustard, pickle, coleslaw (!), scrambled egg (!!), slice of apple (!!!)

- I drank a can of Pocari Sweat, some sort of sports drink (I don't know what a *pocari* is, nor do I want to).
- A man sells fresh crab from the back of a pickup truck parked on the sidewalk in the main intersection some nights. Other nights there is a man selling a huge array of plush animals spread along the sidewalk lit up with portable floodlights
- Korean food delivered by restaurants is brought to you in a large metal box by a man on a moped. The food is in non-disposable plastic dishes with metal cutlery, all of which you place outside on your doorstep after the meal and the man comes back later and takes them away. (We say that we are putting out our dirty dishes for the Dish Fairy to clean).
- we went out for eel (okay but they fed us too much) and sushi (raw sliced fish with almost no flavour of its own served with sauces which we did not find tasty).

#### Holidays

Christmas is a very minor holiday here; only one day off (the 25<sup>th</sup>) and no awareness of such things as Xmas Eve or Boxing Day, both of which were teaching days for us. The stationery stores do get into the act, however, selling all kinds of wacky Xmas cards. Our Xmas vacation took place the week after, because the 1<sup>st</sup> and 2<sup>nd</sup> were already holidays (that's right, two of our "vacation" days fell on national holidays). During our vacation we went to Pusan (the nearest metropolis) to buy English novels and eat non-Korean food. It took us two days, but we actually managed to find 2 stores selling English novels and one restaurant with Italian food. We also took a tour of "Russian Town", a neighbourhood where many Russian sailors shop for consumer goods to sell back home. Many of the stores have bilingual signs (Korean and Russian) and we were mistaken for Russians by a real Russky because of my Russian-style fur hat (he addressed us in Russian but apologized in English when he realized we weren't comrades).

The big holiday here was it Sollal (lunar new year), which fell on the first week of February. We had no plans and most stores were closed so we went to Pusan to visit Mr. Lee's relatives. They spent Saturday morning worshipping their late ancestors in an elaborate ceremony. They spread out a great variety of fancy foods on a big table and then said prayers offering the food to each generation of ancestors while doing huge bows. They also bowed to their oldest living ancestors, and we bowed as well since "they are older than our parents and our family isn't here for us to bow to". The kids were rewarded with cash for bowing but we didn't get any. They served the same holiday foods for every meal and snack for three days, so although we thought they were good at first, by Sunday we were quite sick of them. We went sightseeing around Pusan from the back of a van for several hours, with one short stop to get out and look over the ocean and one long stop to eat lunch (and get drunk) in the back of the van.



## Bad Bridge

To the tune of the theme from "Cops"

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they over-ruff you?

Bad Bridge Bad Bridge,  
What'cha gonna do?

What'cha gonna do when they squeeze on you?

The Bridge Hand give ya no breee-ak,  
The split is zero to EIGHT (to EIGHT!)

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they pull trump on you?

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they uppercut you?

Your Partner-Man give ya no breee-ak,  
He bid Seven No with no ACE, no FACE!

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they double you?

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they finesse you?

The Director-Man give ya no breee-ak,  
He penalise you for tak-ING too LONG!

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do when they psyche on you?

Bad Bridge Bad Bridge  
What'cha gonna do?

What'cha gonna do WHEN ZEKE COMES FOR YOU????

Michael "Zaphod" Brown  
Jason "The Saint" Simpson  
Tom "Big Can 'O Whoop Ass" Pontoriero  
Keith "Amiron" Ellul

## ultraCLASSIFIEDS

HAPPY EARLY BIRTHDAY FLAVZ!

Congrats on Platinum and New Edition/112

Don't forget to always look into the eyes. =>

luv ya,

a

Palmer, I'm the King! And Hold them at third.

from H.O.L.E. member

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\* The "one year" indicates 3 terms that are not necessarily consecutive. That is, if you're at U(W) for the Winter '97 term and off on a work term for the Fall 96 and Spring 97 terms, then you could get a year subscription for Fall 1996, Spring 1997 and Winter 1998. You could pick up the Winter 1997 and Fall 1997 issues in person!

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Your friendly *mathNEWS* editors

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## Is This You?

This is a story about life, people, hope, wanting to change things, wanting life to have a meaning, wanting to help other people and all the rest that goes along with the wonderful idealism that some of us show, and that all of us have inside. It's about that feeling you get when you watch a movie about making a better tomorrow, or when somebody is nice to you out of the blue. You see, around here, it seems that those things are lacking. I mean, I see it deep down in people and I see it well in the people I know, but in general there's something wrong with this picture.

We have here a large group of people about 19-25, an age where you're not yet supposed to be cynical, and extremely intelligent people at that. But I look around and all I see is concern about what grades you're going to get, all those assignments you've gotta do, and after that who you're going to go out and drink with, or dance with or whatever. And every once in a while I meet people who see a bit beyond that, for which that is not enough, who want to make this place a little better for everyone, who see that there's a little more here than the numbers on your report cards, the words you've got on your resume, and the cool crowd you hang out with.

So I thought finally that I'd hunted down an actual group of people who cared about some of the right things. And for a while they fooled me, with all their fancy titles and budgets and books of rules. But then I looked a little deeper, I pushed a little harder, I stayed a little longer, long enough in fact to see it all come crashing down. The people who actually cared about making a difference in that little group, the ones who actually tried, were progressively slowed down and then actually stopped. Why? Because of life. In life there's obstacles. Some are small

and some are huge. To be fair this one is huge. It's the system. Yes the big evil system. And I know this happens to everyone. Sooner or later, you run up against this wall and you realise life isn't fair, life is pointless, life is painful, and you look around no one seems to understand. Sometimes you try to create something and the rules drag you down and stop you from doing anything even though deep down inside you know you do it, you should do it. Now, you can either decide that you will do it or you can give up.

And that's what happened in this little group, little by little they gave it all away and now there doesn't seem to be much left besides the fancy outside of any established group. And I'm looking at this and I'm saying fight it. I'm looking at every empty look in the computer lab and wondering why are you here at 5 AM? I'm looking at people arguing pointless things for hours instead of getting up and doing things and I'm wondering how people can live life around the things that to me are the most important and never actually try to reach out and touch them. And I'm wondering how come people don't even try or give up without a fight. And so the little group became just like it set out not to be: unfriendly, pointless, and superficial. Personally I wish this hadn't happened but I guess it's too late now. And yeah maybe this is just some cheesy little story to you but you've bothered to read it haven't you?

So all I'm saying is maybe people should try and stand for what they believe in every once in a while instead of just listening to bands that sing about it, watching movies about it, or reading books about it. Just try it for a change. It might make life a little more meaningful.

Ana Badour

## Restaurant Review

### *Brubaker's*

The worst prices ever known to mankind: this is the overriding attribute that surrounds Brubaker's restaurant, and for that matter, every Food Services dining hall. The atmosphere is clean and the servery is designed to resemble the Marché in Toronto, also one of the world's greatest ripoffs. The dining area is pleasant and filled with the mumblings of students planning their futures (and talking about sex). The atmosphere is definitely a positive but I can't stand those ridiculous prices.

The food is a crap shoot ranging from a tasty gyros to a small pizza slice that at times makes my stomach writhe in pain as I digest the large lumps of cheese. The spaghetti is painfully boring and hurts even more after considering the pounding on one's wallet (or Watcard as the case may be). The nachos are full of flavour but the plate is quite small and costs \$4.99. Finally, the pizza bagels are repugnant and are inedible after the third bite. While it is sometimes fun playing Russian Roulette with my lunch, I can't stand those God Damn prices.

The one thing that I must complement Brubaker's on is their

service. Every employee is kind to the customers and treats us with respect. It is almost as if they know we are getting ripped off and feel bad about it. I once walked in and just bought a medium (fountain) pop. The prices was \$1.05. I said to the cashier "Wow, that's expensive." She said, "Of course it's expensive. It's Brubaker's." I swear, I'm not making that up. Although the service is very good, I can't stand those f\*\*king prices.

Brubaker's simply charges as much as they can get away with. Brubaker's and all of Food Services make an enormous amount of money for the University, yet I have actually heard that they have the gall to claim that they don't make any money. Yeah, right. They charge more than any other restaurant around campus and have a larger clientele. I suppose it is a good thing that they kick the profits up to the University. I just wish they kicked more value down to us.

Asterix Rating ★★ (out of seven)

Jonathan Ezer



## NFL Preview

Well, another NFL season is about to start. For the first time ever, the regular season will start in August (the 31<sup>st</sup> to be exact) and training camp is already underway. So it seems like a good time to bring you my first annual (and quite possibly my last) NFL preview.

Since they've won approximately the last 18,468,543 Super Bowls (NOTE: figure may not be exact) I feel that it is only appropriate to start with the NFC.

### PREDICTED NFC STANDINGS (\* = wild card berth):

| East            | Central      | West              |
|-----------------|--------------|-------------------|
| 1. Philadelphia | 1. Green Bay | 1. Carolina       |
| 2. *Dallas      | 2. Minnesota | 2. *San Francisco |
| 3. *Washington  | 3. Detroit   | 3. New Orleans    |
| 4. Arizona      | 4. Chicago   | 4. Atlanta        |
| 5. NY Giants    | 5. Tampa Bay | 5. St. Louis      |

**NFC EAST:** This year, I'm going to go out on a limb and say that the Cowboys will NOT repeat as NFC East champs. I still think that they will make the playoffs, but I'd say that the Eagles will grab first spot in the East this season. They were pretty close last season, and they are definitely a team that is getting better. Sure, the loss of William Fuller to San Diego will hurt the team, but not enough to keep them from finally usurping Dallas as NFC East Champs. The Eagles have a chance to prove themselves early in the season, with a home game against Green Bay in week 2, followed by a trip to Dallas for Monday Night Football in week 3. A win in Dallas might signal the beginning of a "changing of the guard" atop the NFC East.

**NFC CENTRAL:** This should be the most one-sided of all divisional races. Green Bay is arguably still the best team in the NFL, and no one else in the Central has done anything to make themselves serious contenders to upset the Packers. The Packers signed Seth Joyner a couple of weeks ago, and this should only strengthen their already tough defense. Looks like the Packers will run away with another NFC Central title. The real question for the Pack this season is: Can they repeat as Super Bowl Champs?

**NFC WEST:** The most pathetic division in football should be predictable once again this year. With the Saints, Falcons, and Rams being the 3 worst teams in the league, there is little doubt that Carolina and San Fran should be able to win 10 games each this year. I think that Carolina is still a better team than the 49ers, and will continue to be a better team until someone can figure out how to stop that devastating 3-4 Zone Blitz that they love to run so much. The Panthers' defense is just plain TOUGH, but that's not all that impresses me about them. Last season's game in San Francisco was what really sold me on them. The game was being billed as a match-up between Carolina's tough defense and San Fran's potent offense. It was supposed to be simple. Carolina should win in a low-scoring defensive battle, but surely they would have no chance in a high-scoring game against the mighty 49ers? After all, they WERE just an expansion team, and their offense was average at best. Well, the game turned into a shoot-out, and Carolina beat the 49ers at their own game. After that, I was sure that the Panthers were a team to be taken seriously. They should have little trouble recapturing the NFC West crown.

### PREDICTED AFC STANDINGS (\* = wild card berth):

| East             | Central          | West           |
|------------------|------------------|----------------|
| 1. Miami         | 1. Pittsburgh    | 1. Denver      |
| 2. *New England  | 2. *Jacksonville | 2. Kansas City |
| 3. *Indianapolis | 3. Tennessee     | 3. Seattle     |
| 4. Buffalo       | 4. Cincinnati    | 4. Oakland     |
| 5. NY Jets       | 5. Baltimore     | 5. San Diego   |

**AFC EAST:** This should be the Dolphins' year to shine atop the AFC East. It's time for Jimmy Johnson to deliver on all these promises that he's been making. The Dolphins started 7 rookies last season (5 on defense) and all of them played well, especially Zach Thomas, who came second in Defensive Rookie of the Year voting. These players should all be better with experience this season, and if the new rookies in Miami can prove to be as valuable as the draftees from last season, the Dolphins will be definite Super Bowl contenders. The Dolphins have already lost 3 players to injury for the season, including top draft pick Yatil Green, who tore his ACL and should be out for the season. This team should still be much improved from last season, and could easily win 11 games.

**AFC CENTRAL:** Once again, Pittsburgh should shine in this division. Jacksonville should be a good team once again, but before we go jumping on the Jaguars' bandwagon after last season, we should remember that they only made the playoffs because the best kicker in football (Morten Andersen) missed the easiest kick in football (a 16-yard field goal). The fact is, the Steelers are still a better team than the Jags, and should be for the next season or two.

**AFC WEST:** The Broncos look to be an excellent team once again this year. They still have a great running game and a good defense. Elway is still a capable leader. Maybe he can't throw it as far as he used to, but he doesn't make those stupid mistakes any more either. I think that the Jaguars beating the Broncos in last year's playoffs was somewhat of a fluke: probably a case of Denver looking ahead to the next game. Look for the Broncos to be a force in the league once again. Also in this division, the Raiders have (inexplicably) signed Jeff George as their quarterback. Yeah, that's just what this team needs... more attitude.

### PLAYOFF PREDICTIONS:

NFC CHAMPIONSHIP: Green Bay over Philadelphia

AFC CHAMPIONSHIP: Miami over Denver

SUPER BOWL PREDICTION: No Comment.

Keith "Who? Me? Biased? NO!" Ellul  
(GO DOLPHINS!)

## Yes, we are on the Web.

For those of you lucky enough to have Internet access while on work term, you can always drop in on *mathNEWS* at <http://www.undergrad.math.uwaterloo.ca/~mathnews>.

For those of you not so fortunate, you can always buy a subscription (hint, hint)...

## A Candle's Glow: Five Years On

I remember reading in the Winter 97 term an article titled *You Can Blow Out a Candle But You Can't Blow Out a Fire*. In it were the ministrations and expressions of optimism and courage. There was the desire to take the world and to shape it. The idea that a person could make a difference, to seize the day, to make a better place for you and me.

I also remember a time when I felt exactly the same way. I had that fire in my heart, and in my soul. I wanted to make a difference, to be more than a number in the machine. I wanted to change the world, fix its ills, Five years ago, I came to University, and I was going to show everybody.

University has taught me many things. Education has left its mark on me. I know how to solve various types of ODEs and PDEs. I know how to build an operating system. I know half-a-dozen ways of sorting things on a computer. I can derive the equation for a fluid flow (under certain assumptions.) I've found love, and lost it. I've learned how to lead people, and where I cannot lead them to. I've learned about Simonds, Borden, and Robespierre. I've picked up two martial arts. I've learned how to cross-stitch.

I also had the metaphorical fire blown out. University is wonderful in this regard, as well. University is a place where you still have to toe the line, even if the line is slightly more crooked than one would find outside its hallowed halls. People have their beliefs, their ideas, their system, and woe to you if you should challenge the dragon in its own lair. While infinitely preferable to anarchy, the system is still there, and people still fall through the cracks.

Yet, even when the fire was out, even when I fell through the cracks, the candle was still there. That small light that refused to die. Call it what ever you want; the silver lining, the light at the end of the tunnel; the metaphor of light is powerful and rich in tradition. But there is an uncompressible essence of you that can, and will, survive.

I do not know why I write this. Why the hell would anybody care about what I've learned and what I haven't learned? Maybe I write for the same unknown reason Jesse wrote his article. But instead of writing to exhort and motivate, I write to reassure. I no longer believe that I can change the world. I now believe that a man (or woman) can do worse but try.

In his article Jesse mentioned how the elders will envy the youth for their fire. Now, after five years, I leave this place behind, hopefully a little better than I found it. And I do not envy the youth for their fire. The best lesson I've learned here is that fire must be tempered with wisdom, and wisdom only comes from the pain of life. I sympathize with the youth, for their pain is yet to come. I do not wish it upon them, but it must come.

But you can survive. For there will come a time when all seems dark. When it all seems at an end. Even the fire will have gone out. At that point, the candle, the candle that lit the fire, can save you.

Jerry "Fish" Han

## Life in the Slow Lane

*Ooooh, just LOVE that writer's block...*

Hey, everybody! Well, here we are at the last issue of term, with about 1 week of lectures left, and I've got nothing to say.

ME!!! Nothing to say! Absolutely, positively nothing to say... and everyone's OKAY with this? (Oh, wait, stupid question...)

Well, I suppose I COULD complain about my upcoming finals, but I'm currently in denial right now, and refuse to even acknowledge their existence.

I suppose I COULD complain about the continued degradation of the Toronto Blue Jays (Fire Cito!), and the fact that Benito Santiago is turning into a spoiled, whiny brat who doesn't deserve his contract or the playing time he's getting, but that has been beaten to death by just about every sports writer in the nation. (Trade Joe!)

You know, come to think of it, I really don't feel like knocking people this time. I think I will instead thank some people who have made a difference during my relatively short tenure at UW.

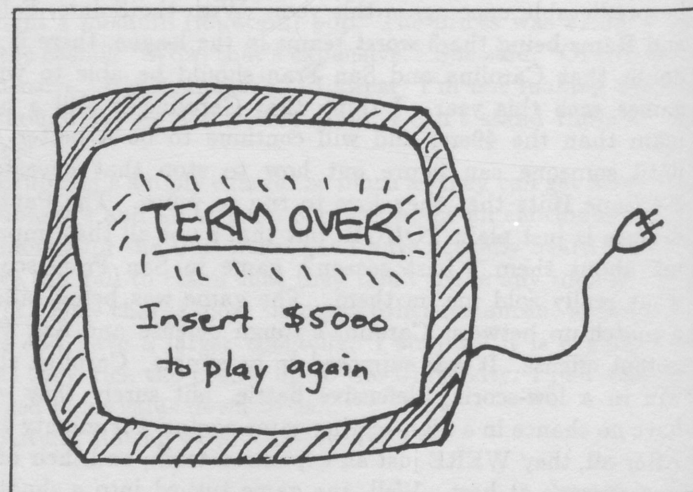
First and foremost, I'd like to thank all of the friends that I have made during my stay here, and all those I had known long before I got here. It's people like you that make life bearable, even enjoyable.

Second of all, I'd like to thank all of the profs I've had during my stay here. I may not have made this obvious to you, but I really do appreciate what you do day in and day out, and I'm glad that, despite the tediousness of classes, it is people like you who can turn abstract theories into something tangible. Thanks, guys.

Thirdly, I'd like to thank the editors, fellow writers, and the other volunteers who make *mathNEWS* possible. This has been a lot of fun, despite a few people's criticisms (some justified) towards my views, and I thank the editors especially for allowing my views to be heard (whether some people liked it or not).

In closing, let me just say, "Live your life to the fullest. It really is worth living." So, I'll keep this short and sweet, and say, "See yas in the winter!!"

Chris McGuire



Yet another Matt Hildebrand original.



## gnomicGNUS

*Gnomic?*

For the terminally out of touch, Gnomic is a game of the type I call Rule-Playing Games. For the past seven months, it has been an ongoing experiment in self-modification. In the process of playing the game, the nature of the game itself is changed, according to the wishes of the players. It can become as interesting and fanciful and challenging as the people participating in it.

The past few issues of *mathNEWS* have contained articles covering various facets of the game as it is being played right now — Gnomic. In this article, I will talk about Nomics in general, and some other self-modifying games which may be of interest to Nomicheads and like-minded individuals.

*Nomic*

Classical Nomic was first invented by Peter Suber and popularized by Douglas Hofstadter (of Godel-Escher-Bach fame) in his *Scientific American* column "Metamagical Themas". It consists of 29 rules, 16 of the (misnamed) "Immutable" type and 13 "Mutable". It describes, in as simplified a way as possible, how to go about playing the game. Initially, the game consists of little more than taking turns one at a time to propose changes to the rules, and having them voted upon. Pretty boring, huh? Well, that's the point. Peter Suber says that he deliberately made the initial game fairly bland so that players would have an incentive to make it more interesting by adding amusing or complex rules.

Part of what makes Suber's initial set interesting is its attempt to model legal and law-making systems of government. It was, originally, intended as an example to teach the concept of self-amendment in these systems to law students, and as an example in his book on self-amendment in law. Thus, the various tiers of mutability mimic constitution as compared with mere laws, or bylaws; judgement is available to interpret rules which are ambiguous or contradict other rules, and so forth.

Sometimes, though, the original Suber ruleset is not enough, or doesn't quite do what players want from their initial set: sometimes players don't want to spend the time to modify the game enough to provide the framework for play that they really really want. So a common pastime among Nomic players has been the creation of initial rulesets having various different philosophies from the original. There are minimal rulesets (with as few as 2 rules, or even 0 for the daring few), object-oriented rulesets for the sophisticate, legalistic rulesets for the aspiring lawyer in each of us, and more different types of initial set than you could shake a stick at. In my 3 years as a founding member of my high-school's Nomic Club, we went through about 5 initial sets, some quite close to Suber's concept, others not so close. One was a multi-tiered legalistic document that stretched to over 20 pages.

These kind of experiments show that the concept of a self-modifying game has some kind of intrinsic appeal. There is something about a game which changes during play that people find fascinating.

*Internomic*

In recent years, with the growth of the Internet, there has been

a huge explosion in play-by-email or web-based Nomics. Most of these are played on mailing-lists on which the players discuss rule changes and conduct official business. Many of them also have web pages which keep lists of players, rules, and miscellaneous things which the rules may have created along the way.

With these many Nomics in play, it was inevitable that someone should take the concept to the next step: Internomic. Internomic is a nomic in which the players are themselves nomics. It is intended to model the United Nations, whose members are countries with their own legal codes and systems of government. Internomic has not existed very long, but already it is beginning to explore some of the paradoxes implicit in its nature: it has joined itself as a member.

Another experiment with the concept of meta-nomics is the United Nomics — so far nonexistent. Some of its interesting features are the ability to trade from one game to another ... even if the rule which makes an object meaningful in one game doesn't exist in another. The problems this creates will no doubt be vast: nomic is far more complex than almost any other game, once it has been in play for more than a few months, and the paradoxes of this trade are far more severe and difficult to resolve than getting a trump card from a bridge game in your poker hand.

As the Internet grows, and Nomics become more popular, we will probably see some very strange experiments in self-modifying games of all scales. Given Nomic's tendency to spread out and try to include everything it can find, we will probably see things I can't even begin to imagine now.

*The Nameless Game*

There is a bizarrely popular card-game in which the rules of the game are secret, and must be learned by each player by trial and error, and the winner of each hand can introduce a new rule, also secret. Some people find it infuriating and unplayable, but others have an incurable addiction to this puzzling game. Some see it as an almost total metaphor for life in general, in which the rules have to be learned, and in which mastery of those rules gives one power to change them. Some just find it frustrating and cruel.

However you see it, this game is an example of the fascination that self-modifying games have for some people, and also illustrates an interesting point about laws and social conventions. Quite often we follow rules or conventions which are never written down, or even if they are, are vague and unclear. No two interpretations of these rules will ever be exactly the same, and when we teach them to others — as when the Game is taught by those who have learned it by their own experience — they are often passed along in some distorted or mutated form. There are easily a few dozen different variations of the game, and even playing the same variant, players are often confronted by situations that challenge their understandings of what the rules actually are, and how they apply to situations they might never have foreseen. In this, the game is just like Nomic, and just like the legal system.

*continued on page 12*

continued from page 11

*How can I learn more?*

Peter Suber's ruleset and his discussion of it can be found on the Web at:

<http://www.earlham.edu/suber/writing/nomic.htm>.

The Internomic home page is:

<http://www.itw.com/~malenkai/zhome.htm>.

Some popular net-based nomics include Ackanomic at:

<http://wilma.che.utexas.edu/~devjoe/acka>,

and Agora at:

<http://www.dfw.net/~ccarroll/agora>,

while the local game of Gnomic has a web page at:

<http://www.undergrad.math/~jcmorton/gnomic>

and you can find out how to join by mailing [jcmorton@cayley.uwaterloo.ca](mailto:jcmorton@cayley.uwaterloo.ca).

Floyd Gecko

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| L | A | K | E | S | I | D | E | P | A | R | K |   |   |   |

**WARNING!**

*These are the solutions to this issue's gridWORD and PictureIt... so don't look if you want to do them...*

**The Game***This is your last chance!*

I'd hoped, in this issue, to give you a synopsis of what happened Game day. Such a synopsis would be: nothing.

What happened? Well, one team lost its driver and had to pull out; one team lost its head and couldn't tell us whether the remaining members could make it. And since we only had three teams...

We decided that the best thing we could do was to postpone The Game until this weekend: specifically, Saturday, July 26<sup>th</sup>. All preclues have been released, and are available at <http://www.undergrad.math.uwaterloo.ca/~djrjgby>; this gives you some extra time to solve them. (Admittedly, it's only a day...)

If you and some friends are interested in participating, send e-mail (which should include your team roster) to [djrgby@undergrad.math](mailto:djrjgby@undergrad.math) or [mhammon@neumann](mailto:mhammon@neumann). If you don't have a team, but still want to play, we can put you on a team! (Be sure to tell us if you have a car.)

And again, if you don't want to play, but you'd love to help out, e-mail us at the addresses above; we'd love to have the extra help! (And you'll get to see all the puzzles... and their solutions! Again, be sure to tell us if you have a car.)

Oh, and whether you participate or not, be sure to check the web page (at the URL mentioned above) after The Game to find a description of the day, plus all the puzzles we used.

Mike "Hammer" Hammond  
On behalf of What's Left of Earth

- Hey again, all! Here are the solutions to this issue's puzzles:
1. "Somewhere Over the Rainbow"
  2. "Fiddler on the Roof"
  3. Short on dough
  4. Painless operation
  5. The birds and the bees
  6. Bread and butter
  7. Count me out
  8. The buck stops here
  9. Tall, dark, and handsome
  10. "Paradise Lost"

**Picture It Solutions**

|   |   |   |   |   |  |
|---|---|---|---|---|--|
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## mathNEWSquiz #6

*The Horrible Gnomick Demon Has been Cast Out!*

Hi, everybody! How are you all on this fine (?) Friday morning? Ready for exams?

Anyway, I'll cut to the proverbial chase. Here are the solutions to last issue's squiz: **Song Lyrics:** 1) "Hip To Be Square" - Huey Lewis and the News; 2) "Bad News Beat" - Neil Young; 3) "Second Hand News" - Fleetwood Mac; 4) "News" - Dire Straits; 5) "Headline News" - "Weird Al" Yankovic; The theme is "news"; **Mars:** 1) Iron content in the soil; 2) Deimos and Phobos; 3) Mariner IV first reached Mars and Viking I first landed on Mars; 4) Pathfinder and Sojourner; 5) Olympus Mons; **Potpourri:** 1) Lucy Lawless; 2) Bumps on people's heads; 3) Tom Lehrer; 4) 1215; 5) 15; **Movie Quotes:** 1) "Desperado"; 2) "Space Jam"; 3) "Manhattan Murder Mystery"; 4) "Hot Shots!"; 5) "Reservoir Dogs".

Here is the (rather short) list of people who submitted to last issue's squiz, with their scores in parentheses: Chung Wai Chan, et al. (6); Pokey & Taz (11); Royal Recreational Lemming Society of Canada (23); and the winner (once again), is Ian "The Word Guy" Facey with 25 points! You can pick up your squizprize in the MathSoc office. And no, Ian, you wouldn't have gotten \$1,000 in C&D coupons even if you *had* gotten all of the potpourri correct. :D

#### Important Dates

1. What year did Sir Alexander Graham Bell first test his precursor to the modern telephone?
2. What year was the Magna Carta signed by King John?
3. What date was Japan's official surrender signed on the U.S.S. Missouri?
4. What date did Michael Collins die at Béal na Bláth?
5. What date did Nicholas II of Russia abdicate?

#### Important People

1. Who was killed in a battle at Béal na Bláth in Ireland on August 22, 1922?
2. Who abdicated the Russian throne on March 2, 1917?
3. Who first tested his precursor to the modern phone in Brantford, Ontario?
4. Who signed the Magna Carta in 1215?
5. Who signed the official Japanese surrender for Japan on September 2, 1945?

#### Important Events

1. What important document did King John of England sign in 1215?
2. What did Japanese General Yoshijiro Umezu sign on the U.S.S. Missouri?
3. What happened to Michael Collins on August 22, 1922?
4. What important event in Russian history took place on March 2, 1917?
5. What was first tested in Brantford, Ontario, by sir Alexander Graham Bell in 1876?

That's all, folks! You can go home now.

Stuart "Jean-Guy!" Pollock

## Picture It

*Toronto, 1993*

Hey, everyone!! Well, we've come to that time that unmistakably signals the end of term is approaching — the last issue of mathNEWS, and, consequently, the last article of puzzles for the term. Thanks to everyone who attempted the puzzles and, in reality or just mentally, submitted their solutions. I hope you've enjoyed these as much as I have.

Anyhow, enough of the emotional stuff — on to business. A grand total of 5 submissions were received for last issue's column, and the results are as follows: Ian "The Word Guy" Facey, Greg "Hologrami" Taylor, Pokey & Taz, and John "The Pseudo-Expert" Swan all chipped in with 7 points, and our winner, with a total of 11 points, is Shane Bauman!! Congratulations, Shane! Your prize can be picked up in the MathSoc office. As for the solutions, they are:

1. End Product
2. Over the Hill
3. Down in the Dumps
4. Green with Envy
5. Crossword Puzzle

Now, to this week's set of puzzles. Due to the fact that this is the last article of the term, there is unfortunately no prize at stake this week; however, they will still be fun to try, and the answers to the article will be provided elsewhere in this issue.

So, here are the final set of puzzles for the term....

1. somewhere  
roy gb iv
2. MacIsaac  
r o o f
3. re mi fa so la ti
4. O\_ER\_T\_O\_
5. jjj bbb
6. loaf goat
7. ONT CRISTO  
M E
8. doe
9. CN Tower  
Night  
Redford
10. Hell 2 Heaven 1

Have fun with these puzzles (as you can tell, I got perhaps a bit carried away—there were just too many I wanted to try over the term), and good luck on your final exams (DOH!!! Time to worry about them already???) Enjoy your work term, look both ways before you cross the street, never bet on the white boxer, etc., etc., etc...

Chris "soon to be known as Mr." McGuire

# GRIDWORD

## gridCOMMENTS

Oops! Goofed again! I was hoping that I would only have one mistake out of 5 grids this term, but I guess not. 55 Across was supposed to be TUCSON, but I transposed letters again and it ended up TUSCON in the puzzle. Thank you to all those people out there who pointed it out to me. Sorry about that.

Well, we only had 4 submissions for this one... I think I did make this one a little tougher so no surprise here. We had Chung Chan et al. with 4 incorrect squares, Pokey with 3 incorrect squares, Ian "The Word Guy" Facey with one incorrect square (you forgot the "H" in DHOW) and our winner with a perfect entry... Jean-Guy! Stop by the office to pick up your prize.

For the gridQUESTION, we had Ian "The Word Guy" Facey with "The world would be richer, because we wouldn't have to spend \$\$\$\$ on shuttle missions to examine the effects of zero *g*. And Jean-Guy! writes **Relatively** massless, I suppose. :D

And now, the moment some of you have waited for. The awarding of the end-of-term gridWORD participation prize. For this, I came up with some goofy yet not-so-complex formula. First, only people who submitted to three or more grids were considered. Then a special weighting system was developed. Then after a few drinks, the draw was conducted under the supervision of a representative of some high class accounting outfit. The winner will receive a prize package of mathNEWS's choosing. And that winner is... (drum roll)... Willow! Stop by the office sometime to pick up your stuff.

That's all for this term... beats me if I'll ever do this job again. I hope someone comes forward in the Fall and really, really wants to do this job. Anyways, good luck on finals and all that other stuff. Maybe see ya around...

Latrell "GridBoy" Fox

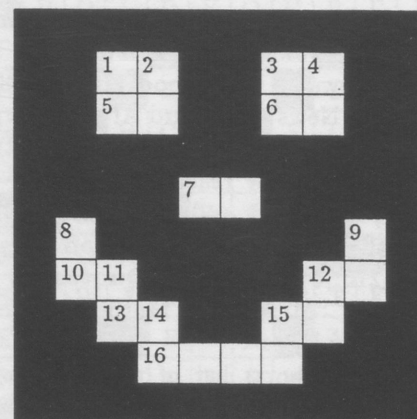
## Grid Clues

### Across

1. Vicious, for one
4. It has music
5. Iron (short form)
6. D.B. could have it
7. Woooooooooooooooo!!!!
9. A rational number between nine and eleven

### Down

1. You've just formed words with letters
2. Example
3. Where the sink water goes
8. The Biography channel



## Grid Clues

### Across

1. 2 to the Romans
3. Word used to get someone's attention
5. On the condition that
6. Element 35 (short form)
7. Kurt Russell had to escape it
10. In the direction of
12. Father
13. Provincial abbreviation
15. A princess
16. Scandinavian city

### Down

1. A moon
2. Maybe
3. Element 70 (short form)
4. Either
8. To be there
9. Mother
11. Top of
12. Mathematical number
14. — what?
15. Perform

