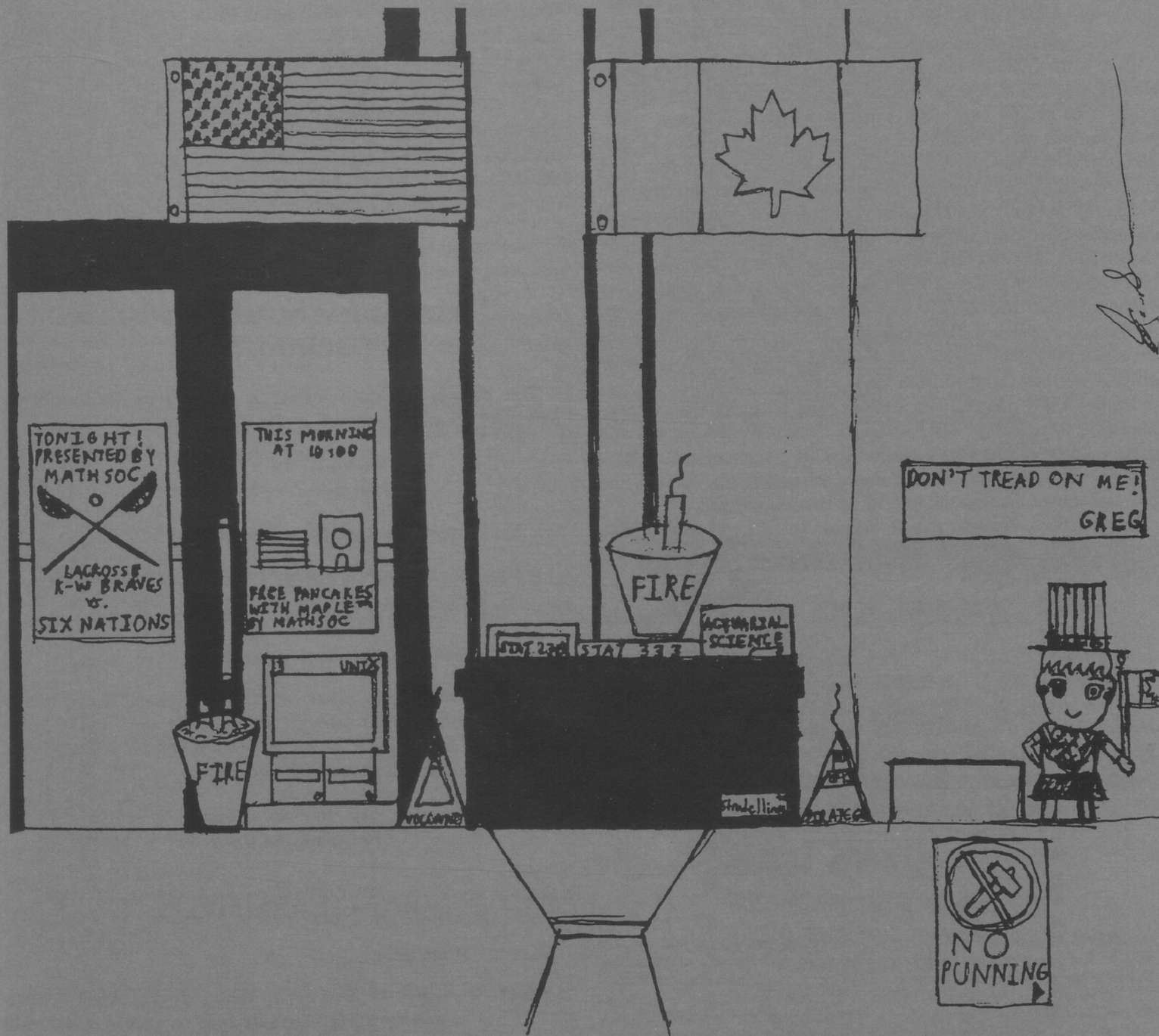


math NEWS

Volume 74, Issue 4

Friday, June 27, 1997



THE PSUEDO-EXPERT CELEBRATES
JULY 1-4 AT THE 3rd FLOOR BALCONY

Letter to the Editors

To the editors:

I am writing this letter to express my objections to Chris McGuire's article, "Life in the Slow Lane," in the June 13th issue of *mathNEWS*.

Though I recognize and acknowledge Mr. McGuire's right to have his own political opinions, and his right to express them, I nonetheless find his name-calling of the Bloc Quebecois and his suggestions that they be jailed in extremely poor taste. It disappoints me greatly to see such cheap and prejudiced commentary appear in a publication such as *mathNEWS*.

I am from Quebec, but am not in any way a Bloc supporter. Nonetheless I feel that as members of a democracy we should respect, or at the very least tolerate others with views different from our own. I find no such respect or tolerance in Mr. McGuire's words. I would very much like to remind him that there is a difference between "free speech" and "cheap talk."

Almost certainly you would never allow such degrading name-calling against, say, women, or blacks, or Asians, to appear in *mathNEWS*. Neither would you likely publish a statement like, "Now, hopefully someone will take the next logical step: throw every member into JAIL," if it were referring to some minority group. I find it a bit sickening that the same respect is not extended towards a group with different political views (however much we may disagree with those views).

Name-calling and ridicule is often done with the aim of dehumanizing a minority. Mr. McGuire should remember that no matter however "treacherous" he may find their opinions, Bloc supporters, over two million of them, are also human beings just like the rest of us, and deserve to be treated as such.

To conclude, I would like to suggest to Chris McGuire that, in the future, if he doesn't have anything intelligent to say, that he not say anything at all.

Sincerely,
Viet-Tam Luu

[We would like to say that at no point in his article did Mr. McGuire imply that the members of the Bloc Quebecois were "treacherous". Treasonous, yes; but the two are not the same thing. Mr. McGuire's comments were about the viewpoints and actions, not the characters, of the members of the Bloc. And treason is still a federal offense under the Criminal Code.

*However, the point about the namecalling is well taken.
— The Editors.]*

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Moving to La Villa Strangiato: Matt "So-Krates" Walsh, Brian "Calculus Cowboy" Fox, along with our drummer Neil

Movie Night Spiel

Latrell to do half-time show

Dateline: U(W), Monday June 23rd
mathNEWS Editor Brian "Twentieth Century" Fox held a press conference today to announce that he will be the main attraction in the half-time show for next week's highly anticipated Movie Night V. Nestled warmly between *Space Jam* and *Beavis and Butt-head Do America*, Mr. Fox will be entertaining the assembled masses by challenging them to cartoon impression duels. Rumours abound that Mr. Fox may take this opportunity to unveil his latest "Beavis" which has entertainment industry experts lining up to buy tickets. Though local bad boy Chris "Two Guns" Buchanan may pose a threat in the Michael Jordan category, it is widely believed that Mr. Fox will turn in a memorable performance and should walk home with full honours. The games begin Thursday, July 3rd at 7:00pm with *Space Jam* to be followed by *Beavis and Butt-head* at 9pm in DC 1302.

Robin J. Stewart

Thinking about graduate school?

The Faculty of Mathematics is holding an **Information Meeting** on graduate work in the mathematical sciences:

Tuesday, July 8, 1997
3:30 p.m. — MC 5158

- Why undertake a graduate program?
- How do you know if you are suited for graduate work?
- Where can you obtain information on programs?
- What financial assistance is available?

Departmental representatives from Applied Mathematics, Combinatorics & Optimization, Computer Science, Pure Mathematics, and Statistics & Actuarial Science will be available with specific information about their programs.

All students welcome
Refreshments available

ultraCLASSIFIEDS

Wanted: Hired goons.

Free: 2 bottles of Bartles & James Fuzzy Navel coolers. They're waiting for someone like you to provide them with a loving, happy home. 425 Tamarack Drive, yellow fridge. Stop by whenever to pick them up.

Hit a home run Kenny! (from the hole)

To my Salty: No more sleeps.
— From your Sweet

mastHEAD

Yo! We got next...

What did we do to deserve this? Midterms and assignments and mathNEWS and chemical warfare all at the same time! What is an editor to do? Pull an all-nighter? Take a hit on an assignment? Subject the faculty to listening to Rush all day?

Yet another production night on a Monday when a core course has a midterm. Damn faculty. We need warm bodies showin' up for production, not writing some insignificant test. Damn you! Damn you all to hell!

Anyhow, here's who bothered to show up tonight, along with their plans for the Canada Day weekend (Oooo! An original, interesting mastHEAD question as usual...): John Swan (Read reports from StatsCan, celebrate with fireworks, and barbecue a 2" ($+\epsilon$ where $\epsilon \sim N(0,1)$) steak), Warren Hagey (Having a bear-b-q in Algonquin Park), Chris McGuire (Going around, finding all the eggs the Easter Bunny hid, and... oh, wait, wrong holiday. D'oh!), Richard Bilson (Selling national secrets to the KGB), Mike "Hammer" Hammond (Replacing all my toilet paper with American flags) and Stooooooooo Pollock (Whaddaya think?).

The usual thanks to Domino's for yummy pizza and pop and to Marion and the rest of the folks at Graphic Services for printing up the issue for us. Till next time...

Brian Fox (I'm going to drink a lot of beer and stay up all night! (Just like what I do most of the time, anyways...))

Matt Walsh (The same thing we do every day, Pinky...)

Election results

Unfortunately, we forgot to print the results for the federal riding of Kitchener-Waterloo in the last issue. So here they are (unofficial, of course):

Liberal	25,117
PC	11,613
Reform	10,502
New Democrats	4,712
Independent	265
Canada Action Party	260
Marxist-Leninist	153
mathNEWS Party	0

Yes... no votes for the mathNEWS Party. Some political movement we have, eh? I attribute this disappointing result to two things:

1. We forgot to remind our party faithful to vote for us.
2. We forgot to get ourselves on the ballot.

Quite unfortunate, indeed. We hope that the next time a federal election is called, we won't make the same mistakes. And maybe we'll do some *real* campaigning and get some votes.

Brian "Calculus Cowboy" Fox
mathNEWS Party President who is about to take
a long vacation in the Cayman Islands.

Stuck in the Freezer

Why is MC so Cold?

H-h-have y-y-you n-noticed-d-d? M-M-M-C is-s c-c-c-c-cold-d-d. You have to g-g-g-go outside j-j-just to w-warm up. J-just l-l-let me put on my j-jacket and g-g-gloves... ah, that's better...

Okay, now clearly we have a problem here. MC is just *too* cold! I was here last summer as well, so I know that it's not going to get any better. In fact, the hotter it gets outside, the colder it gets in MC. Last summer, I would honestly be so cold that I would wear my winter jacket (which isn't really a winter jacket, but that's a whole other story) to class and wear gloves while working on my CS assignments in the computer labs.

Right now, as I write this article, my legs are very chilly because I wore shorts and a t-shirt today (appropriate clothes for the weather outside). Now, I have nothing against air conditioning, and I wouldn't especially want to be in a hot, humid computer lab, but things in MC are taken a bit too far. It obviously isn't free to air condition the building, and quite foolish to make it so cold that the people are uncomfortable (not to mention that it makes it harder to concentrate and learn, which is what we're all here for, right?... right?).

Anyway, I guess the point of this is that something needs to be done. I propose that the air conditioning from MC be redirected to my apartment, which could easily be mistaken for a sauna. Show your support by talking to your MathSoc executive.

Warren "The Milkman" Hagey



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Ming and His Sisters

Many decades ago, there lived a boy named Ming. He lived in Vietnam, and though he was only 9 years old, he had to help his older sisters Rae and Lilly in the rice paddy field. Ming's sisters were very bossy, and they would make him do all of the hardest planting and harvesting work. Ming did it though, because he wanted to please his parents.

But planting and harvesting rice weren't Ming's greatest joys. You see, Ming loved to dream. While he was planting rice, he would dream of climbing great mountains. While he was harvesting, he would dream of swimming deep in the ocean. No matter what else he was doing, Ming was always dreaming.

When he turned 10 years old, Ming's father gave him a coat made of goat's hair to show his love for his favourite child. Ming's sisters were jealous of Ming and the special treatment he received from their parents, even though he never did anything bad to them.

One day, Ming was out in the field working when Lilly cried out, "Ming! Ming! Come here quickly!"

Ming ran over to her right away, calling, "What? What's the matter?" but he didn't see anything wrong.

Suddenly, Rae, who had been hiding, jumped out and threw a net on Ming. Then she and Lilly stripped Ming of his goat hair coat and danced around shouting, "Ha, ha. Who's daddy's favourite now?"

Ming was tangled up in the net, though, and couldn't do anything. His sisters carried him to the river and threw him in, net and all. They watched as he floated downstream, attempting to get free, but struggling to no avail.

Then Rae and Lilly went home, telling their parents that they had found Ming's goat hair coat but didn't know where he was. Ming's father stayed up all that night, and every night that week, waiting for Ming to return, but he never did. He grieved greatly at the loss of his special son.

Many years later, there was a terrible flood that washed away almost everything in the land, including the rice paddy field belonging to Ming's family. They had no food to eat, but his father had heard of a place where they still had food, so he sent Rae and Lilly to go and buy some.

After travelling for three days, Ming's sisters finally arrived at the place where they had food, and had to wait to get an audience with the man in charge. Finally they got in and made their request for food, not even recognizing their younger brother, who had in fact escaped from the river and grown into a strong, young man who was placed in charge of the food. Ming recognized his sisters, although he didn't let on that he knew them. "Here's a magic lima bean that will produce all the food you need," he said as he gave them a small, green bean.

The sisters went on their way home then, and were amazed to see that the bean was in fact very special. Not only did it change colours, but it sparkled in the moonlight. Rae and Lilly tossed the bean back and forth and played with it while they travelled.

When they finally got home, Ming's father took the bean and planted it. Immediately, great quantities of food sprung up before them, and the family rejoiced. After a week of having all kinds of food, Rae and Lilly were getting restless, because they wanted to play with the bean. So they dug it up, with the intention of planting it again once they had finished playing with it.

Unfortunately, when they planted it again, nothing happened. Its magic power was gone. Ming's father found out and was very upset with his daughters. He sent them off again to get another magic bean.

Ming was shocked to see them when they arrived again, and questioned them as to why they had returned. His sisters explained the mistake they had made in playing with the bean, and pleaded desperately for another bean. His sisters had certainly changed since he was a child.

"Everyone leave the room," Ming commanded. "I want to talk to these two alone." Once everyone else had left, Ming revealed himself to his sisters. "It is I, Ming, your little brother." He told about how he had escaped from the net and come to his present position of power.

Rae and Lilly were very afraid, for they feared that Ming would inflict some terrible punishment on them for what they had done to him long ago. But instead, Ming welcomed them into his house and asked about their parents.

When he heard of the harsh living conditions at home, Ming sent a messenger to bring his parents to come and live with him. Ming's father couldn't believe that his son was still alive, but the hope that he was gave him strength to make the journey.

Finally, the family was united once again, and what a celebration there was! Although his father has now passed away, to this day, the story of Ming and his forgiveness and compassion toward his sisters is known across the land.

Warren "The Milkman" Hagey

lookAHEAD

mathNEWS	
June 27	Issue #4 slithers onto the stands
July 7	Issue #5 production night 6:30pm, MathSoc (MC 3038)
July 11	Issue #5 plops onto the stands
Math Faculty	
July 7	Last day to enrol in Distance Education for Fall 97
Co-Op Stuff	
July 7	Matching Results posted (Welcome to Continuous Phase)
Movie Nights	
July 3	<i>Space Jam</i> and <i>Beavis & Butt-head Do America</i>
Miscellaneous	
Today	Start of 4-day weekend (Well, after classes of course)
June 30	University Holiday
July 1	Canada Day (A real holiday)
July 2	Get back to class!
July 3	Back, I say!
July 4	Some American holiday
July 8	MC fractures from temperature differences inside and outside.
July 12	Latrell's birthday

profQUOTES

"So they said, 'That's not a problem — we can cheat. That's what we're good at. We're engineers!' "

Buhr, CS 342

[speaking about midterms] "There will be no proofs from class. So, if you've been to class and paid attention, it won't help."

Talvila, MATH 136

"It's an unfortunate fact of life that all cows have the same number of legs."

Cowan, CS 246

"Actually, you never know when I might break into song."

Irving, C&O 230

"A more interesting thing about parties, which is not covered in the notes..."

Irving, C&O 230

"This is a very clever argument. I can say it's clever because I didn't make it up."

Cherry, STAT 332

[on vector addition] "Adding two objects of the same type yields an object of the same type. This is like sexual reproduction."

Dickey, MATH 136

"I just whacked it down and you all sat there, because you're all pretty dopey in the mornings..."

Mackay, STAT 231

"I wonder what's on the board — did somebody throw up on it or something?"

Downey, PSCI 231

"This is... well, I want to say it's sexy, but the guy back there will laugh."

Kunze, AM 351

"Usually on a test you're told what to know."

Kunze, MATH 138

"Okay, that was a bit of the useful stuff. Now, back to the pointless stuff."

Astels, PMATH 336

"I think that class out there has a nicer prof than you do."

Astels, PMATH 336

"I don't care if you like it or not, they pay me anyway."

Astels, PMATH 336

"That's a good question, 'cause you want to get away with as little work as you can. I personally understand that. It's my motto to life."

Astels, PMATH 336

"If you don't come to class, you might learn a little more."

Munro, CS 240

Life in the Slow Lane

Gee, what am I going to talk about THIS time?

[We know that Chris is very bitter. But we're very sarcastic today. — DaEds.]

Well, ladies and gentlemen, it seems as if we have a complainer in our midst. And, for once, it's not me. It appears that my debut article under this title (see Issue 2) incurred the wrath of a man who, to protect the innocent, we'll call "Max S." (see Issue 3).

Boy, I guess he showed me.

Although, I guess he was too caught up with trying to slam me, because our friend missed one extremely slight, minor detail.

He totally missed the point of my article altogether. *[So that means you're even? — ΣEd.]*

Believe me, Max, I could think of more blatant and more pathetic ways to simply "get down on [my] hands and knees and beg for a girlfriend," as you would have everyone believe that that was what I was trying to do in the article. The point I was trying to make (and I'm sorry if this wasn't clear the first time around) was that it seems funny to me that the people telling me "It's not so bad being single" are the people who are no longer single. I thought it seemed pretty ironic *[Doncha think? — ΣEd.]*, and I can't help but laugh any time those people tell me that. That is all my article was trying to say.

Enough about my article, however. Let's look at what Max said in response. First of all, it is a sad day when one attempts

to answer the question "What is so attractive about being in a relationship?" logically. What is so attractive about being in a relationship? I DON'T KNOW!!! All I know is that, amongst the emotions that God gave to me, one of them exists that drives me to be in a relationship, and it is called, *[Lust? — ΣEd.]* "love." *[Oh, right. That too. — ΣEd.]* And I am thankful that this emotion exists. Let's face it: if everyone approached relationships from a purely logical sense, if love could be interpreted in terms of Boolean circuits, then the human race would cease to exist. There is so much that can go wrong in a relationship that it logically makes sense to avoid them like the plague. *[Why didn't anyone tell me that six months ago?!? — LatrellEd.]* But we don't; rather, we long for them. We dream about them. And, when they finally do happen, there is almost nothing on Earth that can bring us down from our state of euphoria. *[Except when one of the parties concerned doesn't call back. — LatrellEd.] [Among other things. — ΣEd.]*

And why is that? That wonderful emotion LOVE!!! It is this emotion that brings a couple together, bonds them together for life, and allows them to raise a family. And it is that emotion that gives us a shelter from all of life's turmoils. *[I thought that's what the Bomber was for. — ΣEd.]* And, Max, if you have to ask what is so special about a relationship, then go back to your world of NAND and NOR gates, and leave us alone. *[World of*

continued on page 6

continued from page 5

And as for the little petty displays of affection? I know that they are inevitable (and, despite what anybody says, quite enjoyable) side effects of a relationship, and as such they do not merit all the attention that you have drawn to them, as I think back to that same series of articles you mentioned in your last article. Don't like them? Tough; live with them. [*Them's fightin' words, pardner.* — ΣEd.]

In conclusion, my dear Max, I'm sorry if you do not share my enthusiasm towards pursuing a relationship. However, that will not, in any way, shape, or form, deter me from my goal. And when my goal is finally achieved, I hope that you are the first one to roll your eyes in disgust at me. [*Are you talking about acquiring a girlfriend or world domination?* — LatrellEd.] Because, frankly, I won't care.

My best regards,

Chris "Feelin' better than I have in some while" McGuire

As a postscript to this article, let me just say that, contrary to your belief, Max, yes, we did listen to you in the fall. We just chose not to follow your sage advice. [*Ah, what a wonderful thing is independent thought.* — ΣEd.] I hope you didn't lose any sleep over that.

Restaurant Review

Olympic Gyros & Subs

The heavenly aroma of the chicken souvlaki engulfs the senses. The soft greek salad acquiesces to the powerful meat as they both soothe the awaiting palate. At Olympic, high quality food is the number one attraction. The greek salad is a delicious blend of vegetables and feta cheese which adds an appreciated je-ne-sais-quoi to the otherwise banal side dish. The chicken souvlaki is rich and full of flavour. Wrapped in a pita bread with a light sauce and tomato, it is definitely one of the most delectable main courses near campus. Included with the salad and souvlaki combo is one french fry. Yes, I said 'one french fry'. Why they do this is anyone's guess, but this unconventional maneuver makes the customer feel like they've got something for nothing and that's cool with me. (Maybe it's a ploy to get us to buy the fries next time).

The service also takes on a different form at Olympic. The customers order the food at the counter and then the food is brought to the tables when it is prepared. This is a hybrid of the more common fast-food and sit-down style restaurants and adds a more human touch to the dining experience. Also, the guests are free to select a drink from the refrigerator at their leisure. This provides a certain independence for the customers and at the same time, is a good marketing technique on the part of the restaurateur because people buy more drinks when they are not focusing on the price.

The atmosphere is pleasant, offering very comfortable chairs in a homey dining room and a patio which is an added bonus in the summer time. Moreover, Olympic provides a daily newspaper which, as it has been mentioned here, greatly heightens the satisfaction one receives from the experience. This is especially beneficial when the food takes a few minutes to prepare. The food is not cheap but the added price is pardoned given the high quality and good service.

Asterisk Rating: ★★★★★ (out of seven)

Jonathan Ezer

The Road I Have Travelled On

A Survivor's Guide to the 407

Those of you who don't keep track of the news, there is something different about the Greater Toronto Area somewhere east of Waterloo. After three years of blood, toil, tears and sweat, the 407 ETR Express Toll Route opened north of Metro Toronto.

What is the 407, you may ask? The 407 is North America's first electronic toll expressway, and therefore the most hyped. Instead of stopping at a toll booth, you drive under an electronic gateway over the on-ramp and another over the off-ramp. The gateway will respond to a "transponder" installed in your car; if you don't have one, it takes a photo of your rear plate and bills you extra.

Why did it take three years to open? Well, it was *supposed* to open last December, but the police raised a big stink about safety concerns at the last minute. They could have said something earlier, of course, but these cops know how to play the public. So the 407 didn't open till last weekend, while they were fixing all those unsafe spots.

Now it's open, and for this month anyway they will not charge tolls. It opened at 10am on June 7th, and in that first day saw its first accident and first speeding tickets. So much for free rides, eh? I've something to say about that at the end.

Taking advantage of the freebie, I became one of the first to drive it, about 15 minutes after it opened. I took my purple 1996 Chevy Cavalier end to end, 410 to 404. So what's it like? Let me tell you ...

The Signs Are Blue

Yep, blue. Not the usual green. Blue. Even the signs on the on-ramps are blue. Blue, blue, blue. Why, why, why do they have to be blue? They're green on every other road, and I kinda like green. I WANT GRE-E-E-E-EN!

Okay, so you see the blue signs and pass the gateway. Then you notice that...

It's Paved With Concrete

You read right. Except for the asphalt on the bridges, the 407 is just like two wide sidewalks. Now, I've driven on concrete before¹, but never at 100 km/h. You may notice a slight difference in sound, but actually it's kinda cool.

All in all, the 407 isn't a bad route, and it is as speedy as the ads promise, as long as there are no accidents. I won't be using it much, since it's not on my way to work. That's probably a good thing, since...

There are GTA Drivers on it

There are some real idiots to whom the MTO has foolishly granted driver's licenses, and they're all in the GTA. (Don't believe anyone who tells you they're in K-W. Trust me. They're not.) One of those opening-day speeding tickets went to a guy who — I am NOT KIDDING about this — was tailgating an unmarked cruiser at 150 km/h. And what was the tailgater doing at 150 km/h? He was shaving. Shaving? Shaving!

You know, if they charged tolls based on stupidity rather than distance, this guy would have knocked at least a year off the 30 years of tolling ahead. In the meantime, I'll use the 401. Happy motoring!

Darren "658 ZEV" Morby

¹ I mean the streetcar lanes in Toronto!

gnomicGNUS

For those of you who have been following it in *mathNEWS* articles, the game of Gnomic is probably becoming a bit of a nuisance. For those of you who haven't, suffice it to say that the game — at least initially — consists almost entirely of changing the game itself. Why are these people playing such a foolish game? Why won't the rules just stay STILL for a minute? What the heck's going on? These are questions any sane person confronted with the Gnomic sessions which have been played in recent weeks would have asked. Fortunately for the survival of the game, no such people are playing.

Well, those of us who are playing aren't quite sure what we're doing this for either, but if things keep going the way they are, you may soon have no choice but to join us, because this puppy is getting out of hand. In some precedent-setting events recently, the game has now opened itself up and begun to look outward. And, knowing how Nomic (and Gnomic) behave, it will only be a matter of time before the game takes on a life of its own and tries to amalgamate your MathSoc. Plans are in the works. You have been warned.

It started out innocently enough. Russell O'Connor, being the geek that he is, decided it would be a great idea if the game of Gnomic were to join the World Wide Web Consortium. Just why he thought this would be a good idea is understood only by Russell. Unfortunately for his plans, Russell isn't exactly spelling-bee champion of the nation, if you get my meaning... Which would normally be okay, except that Gnomic is notoriously unforgiving of slip-ups in the letter of the law; loopholes — the finding, fixing, and exploiting thereof — are a big part of what the game is about. So when Russell's rule (Rule 351) proposed that the game of Gnomic should, as soon as it met the conditions, join the "World-Wide-Web Consordium", it wasn't long until Floyd Gecko founded an organization of that name, and the game was forced to join. The chartered regulations and rules of that organization made it possible for Floyd to wrangle an extra turn in Gnomic. Debate over the legality of this exposed yet another loophole — that under the then-current rules, anyone could take a turn at any time.

Chaos ensued. Turns were nested within turns, debate nested within organizational meetings, motions were floored, tabled, amended, and suspended, Darth Vader became a nuclear-powered laser spatula, organizational meetings of the game of Gnomic and the Consordium overlapped, Iterated Prisoner's Dilemma challenges were issued hither and yon... It was surprisingly like a parliamentary debate, or a MathSoc meeting. Meanwhile, as Russell amended his rule to change "Consordium" to "Consortium", Adam N. noticed that the *REAL* World Wide Web Consortium isn't hyphenated, and so the game was forced to join the newly created "World-Wide-Web Consortium". You following all this? Good.

Now then. The upshot of all this is that the game of Gnomic has begun to incorporate principles for including itself in other organizations, and including other organizations within itself. This is a dangerous precedent, if my years of Nomic experience mean anything. Why, already plans have been heard to circulate (and I refuse to admit any responsibility — it was Stu) regarding the takeover of, yes, the Mathematics Society. And the Federation of Students? Well, that might be pushing it. For now.

So when you see a Gnomic Party running for MathSoc office in the terms to come, just remember that these are people with

experience. People who care about the things that really matter to you as a student. So vote for us, because a Vote for Gnomic is a Vote for Shazam the Wondrous Fruit Bat.

If you would like in on the ground floor of this dangerous group just beginning its path toward world conquest, check out the Gnomic page at <http://www.undergrad.math/~jcmorton/gnomic> for the rules, and mail jcmorton@undergrad.math for information on how to join the game. You won't regret it. Or if you do, we can change that, too.

Floyd Gecko

gridCOMMENTS

First off, I have to apologize for the last grid as there was an error. For 12 Down, the answer for "Man and Wight" should have been ISLES; however, I put it in the puzzle as ILSES. And I got a few comments about it, too. So I didn't take any points off if you had ILSES or ISLES. Sorry about that...

The results? Well, Ian "Word Guy" Facey, Chung Chan & Colin Ireland, Chris Doherty, Chris McGuire and Chris Wooff all had perfect submissions. Dog-Beart had 2 incorrect squares, while Ken Reycraft had 3 correct entries. By random draw using an ultra-secret mathematical formula, our winner is Chris McGuire. You can pick up your prize in MathSoc anytime.

I received one gridQUESTION response: Ian "Word Guy" Facey says that it takes $(\int_0^{\pi/2} \cos x dx)$ mathies to change a light bulb.

I'll take your word for it.

Anyways, this issue's gridQUESTION is as follows: What would be the one event you would like to change the most if you could travel back in time? It can be personal, but I'd prefer it to be some historic world event or something to that effect.

Submissions can be emailed to me (bcfox@undergrad.math), stuffed in the BLACK BOX, or submitted in person to the *mathNEWS* office or mailbox by 6:30pm on Monday, July 7th. Good luck!

Latrell "GridBoy" Fox

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

Picture It

Waterloo, 1997

First of all, dear readers, I seem to have made a severe oversight in the last issue of *mathNEWS*. I failed to recognize that Shane Bauman also submitted a solution to my column in Issue 2, with a score of 14 out of 18. My humblest apologies, Shane.

Now, then, to the task at hand. There were a total of 5 submissions to last issue's column. (Yes, I triple-checked this week to make sure I didn't leave anyone out.) They are as follows: Greg "Hologrami" Taylor, Mike "Hammer" Hammond, and Tom each responded with 9 points; Chris Wooff gave it a good shot with 11 points; and our winner for this week, with a total of 12 points, is Ian "The Word Guy" Facey!!! Congratulations, Ian! I'm sure by now you know the drill.

Here are the solutions for last issue's column:

1. Forgive and Forget
2. "Three Blind Mice"
3. Clerical Error (oooooh, that was nasty, apparently)
4. Foul Language
5. A bird in the hand is worth two in the bush

And so, as we embark on yet another voyage of self-discovery, we encounter the following 5 puzzles that make up this week's column. Good luck to all, and away we go!!

1. wether
2. 0
Ph. D.
B. M.
B. Ed.
3. 10SNE1?
4. XIRAQRUN
5. et (HINT: This is the name of a movie.)

BONUS!!! 10 points are at stake here, if you can tell me the phrase associated with the bonus puzzle.

B. Quasimodo (HINT: The answer is NOT *The Hunchback of Notre Dame!* In fact, the answer is a rather sick pun... excuse me while I go into the Witness Protection Plan)

Your submissions to this set will be due on Monday, July 7, at 6:30 p.m. You can submit in the usual ways, by dropping you solutions in the **BLACK BOX**, sticking them in the mailbox in the MathSoc office, or e-mailing them to me at cjmcguire@undergrad.math. See you next issue!

Chris "Mmmmmmm... fireworks" McGuire

Yes, we are on the Web.

If you're ever wandering the Web, drop in on *mathNEWS* at <http://www.undergrad.math.uwaterloo.ca/~mathnews>.

Send comments or opinions to mathnews@undergrad.math, the **BLACK BOX**, or our mailbox in the MathSoc office.

The Game — Preclue #12

In Which 3 Is More Important Than 8

Down the left side of the page is a list of words, each one of which is the beginning, middle, or end of a famous triple, like "stop, drop, and roll" or "red, white, and blue". Down the middle of the page is another list of words, which can be combined with the first list to form the triple... or at least two-thirds of a triple! There are also $3^2 = 9$ "wildcard" spots (denoted by "-3-") down the right side off the page to round out the incomplete triples; these need to be filled in.

The Trivia

1. gas	runs	-3-
2. tom	ready	-3-
3. line	rattle	-3-
4. book	away	-3-
5. barrel	gone	-3-
6. bad	willing	-3-
7. up	set	-3-
8. emerson	candle	-3-
9. faith	lodging	-3-
10. roll	sinker	
11. able	good	
12. snap	dick	
13. match	stock	
14. sex	food	
15. going	bell	
16. hits	charity	
	game	
	crackle	
	ugly	
	up	
	videotape	
	going	
	palmer	

Do you know what to do now?

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

New Chairs in MFCF Labs!!

Thanks to the Dean of Math, there are 60 new comfy chairs being installed in the public terminal rooms MC3007 and MC3008a, as well as in the Train Lab in MC3059. In the past, comfy chairs have had a way of rolling away into the night — 30% of the chairs in MC3018 and 3022 have disappeared. There are absolutely NO funds available to replace them, so those lovely black plastic bucket chairs are usually put in their place.

So, if you're thinking of acquiring one of these chairs for your home or office, please, think twice!

Chris Roth
MFCF Operations

mathNEWSquiz #4

Canada Day Squiz!

Hiya, folks! Welcome to the special Canada Day edition of the squiz! All of the questions in this squiz deal with Canadiana that those of you who grew up in Canada should know, and makes interesting trivia for those of you who didn't. But first, here are the solutions for the last squiz: Song Lyrics: 1) "Rosy & Grey" — Lowest of the Low; 2) "One Bourbon, One Scotch, One Beer" — George Thorogood & the Destroyers; 3) "Until I Hear It From You" — Gin Blossoms; 4) "Mexico" — Refreshments; 5) "The Cask of Amontillado" — Alan Parsons Project; Theme: Drinking / Alcohol; **Confederation**: 1) 1867; 2) 1867; 3) 1949; 4) 1905; 5) 1870; **PMs**: 1) Liberal; 2) PC; 3) PC; 4) Liberal-Conservative; 5) Liberal; **Outer Limits**: 1) Leonard Nimoy; 2) Neil Patrick Harris; 3) Wil Wheaton; 4) Michael Gross; 5) Beau Bridges.

Here are the people who submitted to the last squiz with, as usual, their scores in parentheses: Ken Reycraft (3); Chung Chan and Colin Ireland (7); Greg "hologrami" Taylor (14); Ian "The Word Guy" Facey (15); Chis Lutka (15); and the winner is The Royal Recreational Lemming Society of Canada (21)! You can pick up your squizprize in the MathSoc office.

And now, here are some Canadian questions to tickle your fancy:

Canadian Song Lyrics

One point each for song name and artist, and one extra point for general theme

- "Come here, my dear, and lend an ear.
I'll tell you things I'm feelin'.
My feelings true and all for you:
I'm tired of jigs and reelin'."
- "I'm free, but I'm focused.
I'm green, but I'm wise.
I'm hard, but I'm friendly, baby.
I'm sad, but I'm laughing.
I'm brave, but I'm chicken-shit.
I'm sick, but I'm pretty, baby."
- "If I die of vanity, promise me, promise me,
They bury me someplace I don't want to be,
You'll dig me up and transport me, unceremoniously,
Away from the swollen city-breeze, garbage-bag trees."
- "And I sing this for the captain
Whose ship has not been built,
For the mother in confusion,
Her cradle still unfilled."

Canada in War and Peace

- What was the code name for the beach Canadian troops invaded on June 6th, 1944?
- Which Canadian Regiment was disbanded over the Somalia affair?
- Which Canadian Prime Minister won the Nobel Peace Prize for developing the concept of Peacekeeping in response to the 1956 Suez Crisis?
- Where are the "Books of Remembrance" kept?
- Who commanded the British/Canadian takeover of Detroit

in 1812?

- Who was the first Canadian born Governor General of Canada?

Canadian Science and Mathematics

- Name the member of the Math Faculty (at U(W)) who recently received the Order of Canada for his involvement in the elementary and high school Math contests held each spring.
- Who was the first Canadian astronaut in space?
- What is the full name of the person after whom the Fields medal is named, and why was it established?
- Name the two main members of the medical team that discovered insulin.
- What Canadian received the highest mark ever on the William Lowell Putnam Mathematics Competition, and what was his/her score?

Canadian Movie Quotes

Name the Canadian movie

- "I never left home, but I know every inch of this highway. I know it inside out. Ask me a question if you like: ask me anything."
"Do you wanna have sex with me?"
"What?"
"Do you wanna have sex?"
"No, I'm fine, thank you."
- "From the look of my soup I'd say someone in your kitchen has a serious hair loss problem."
- "Mind if I smoke?"
"In the shower?"
"Yeah, studies show that smoking in the shower reduces risk of fire by about a half."
- "Man, if we get outta this thing, I want you to come to the States. I'll show you some stuff that you'll never believe."
"No way, my friend. I'm told in the States they shoot Communists in the streets."
"Hell, man, in Detroit, my hometown, they shoot *everybody* in the streets!"
- "Russel, are you really a serial killer?"
"Well, I've never really killed anyone before, but that's what I'm shooting for. That's my ambition. I know it's a hard profession, and it's a competitive field and getting tougher every year. You have to kill about twenty people now before you're taken seriously. But let's face it, what other options do I have? There's not a lot of opportunities up here for social mobility. I mean, you can either become a hockey player, or take up a life of crime. And I have weak ankles, so there you go."

Good luck, everybody! Submissions can be made either at the BLACK BOX across from the Comfy Lounge on the 3rd floor of MC, or by emailing scepollo@undergrad.math.uwaterloo.ca by 3:30pm on Monday, July 7th.

Mike "Hammer" Hammond
Jerry "Ghoti" Han
Stuart "Jean-Guy!" Pollock

GRIDWORD

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				

Grid Clues

Across

1. Under the roof
6. A word used to scare
9. Frequently
14. Truth
15. Measure of resistance
16. Not far apart
17. North or South
18. A draw
19. Concise or brief
20. Super Bowl MVP Bart
21. No, his mind is not for rent
23. Abner, for one
24. "Phone home."
25. Rate of speed in music
29. Always
31. Swamp
34. Drifts freely
36. To get out, barely
39. Carlo or Cristo
40. To have a clue of what's going on
41. Writer of illegal cheques
42. Northern Ontario town
44. Utilize
45. — til ready; musical term
48. Writer Ferber et al.
49. Suffix sometimes used in plurals
50. Consume
51. Nuclear facility location

57. Racket
62. Small cove or bay
63. Cup
64. River or virus
65. To direct
66. Just finished consuming
67. Submarines use it
68. Rise over run
69. Illegal narcotic (abbr.)
70. Chairs

Down

1. Questions
2. To blow one's horn
3. Kind of antelope
4. Journey (Lat.)
5. North Carolina city
6. Glass or plastic
7. Buckeye state
8. Southern Ontario town
9. Prefix meaning eight
10. — away; left by air
11. Jean Charest, for one
12. Ending for fin, beginning for nce
13. Not ever, in poetry
22. Cal's still got one going
25. Monogram of old Raiders' coach
26. Tickle-me dolls... lots of 'em
27. She's gonna make it after all (Last name only, please.)
28. One of the *Turandot* threesome
30. Poison
31. Nobleman
32. *Turandot* is one
33. Lightbulb company (abbr.)
35. Waiter
37. It's Barry White's weakness
38. Beginning for id or le
41. — Manchu
43. "— the World Turns"
46. Beast
47. To have someone classified
51. Whiz
52. Worldwide abbreviation
53. Queen of the Nile
54. To hold on to
55. To be, in France
56. "Oh, — !" (Darn it!)
58. Woodwind instrument
59. New York college
60. Thin strip of wood or metal
61. They got drums and anvils