

math NEWS

Volume 80, Issue 4

Friday, June 18, 1999



Lights...Camera...Action!!

Ladies and gentleman of the University of Waterloo:
Come to Movie Night!

If I could offer you only one way to relieve mid-term stress,
Movie Night would be it!

The mid-term benefits of Movie Night have been proven by
Mathematicians,

Whereas the rest of this article has no basis more reliable
Than my own meandering experience.

I will continue this article now...

Well, I would like to start off by thanking all of the people who showed up to movie night last night. I hope that you enjoyed your date.

For those people who are still looking for love, sign up for the dating game! Forms are available in the MathSoc office (hopefully it will be open). These forms need to be completed and returned to the MathSoc office by 4:30 today. If you participate you could win a free date. We are still looking for both men and women for this so come to the MathSoc office, get a form and fill it out. It's that easy. If you have any questions about the Dating Game e-mail dating@mathsoc.

We have several good movie nights coming up, to which everyone is welcome. This Thursday, June 24, we are showing *Antz* and *Prince of Egypt* starting at 7pm in DC1302/DC1304. We will be starting both of the movies at 7pm, so if you only want to stay for one movie you could see either one. The second movie will start at about 9pm, as always, and it will be the opposite of whatever was shown first (if you saw *Antz* first, you will see *Prince of Egypt*). In the coming weeks we have *Forces of Nature* and *Practical Magic* on July 8 and *There's Something About Mary*, *Starship Troopers*, and *Canis Lupus* (this is the movie that was made on campus last winter) in the weeks afterwards. If you have any questions regarding Movie Night e-mail movies@mathsoc.

Please note that there is no Movie Night on July 1 (Canada Day). However, MathSoc will be running several events and games on Canada Day, such as Sponge Toss, Lawn Bowling, Water Gun contest, Face Painting, and Twister. It should be a really fun day for all that are involved. We are still looking for volunteers to help out. If you volunteer you can get a free t-shirt, free food and have lots of fun. If you are interested, you can sign up in the MathSoc office. If you have any questions about Canada Day, you can e-mail vpas@mathsoc.

Daryl "Movie Dude" McEachern

News from CSAG

Hey everyone! Not much to say this week.

CSAG Meeting

Wednesday, June 23rd

4:30 pm, NH 1029

Keith Kenning, the Supervisor of Co-ordinators for Co-op, will be attending, and will be happy to answer any questions which you may have.

Oh, and did I mention that there will be **free food**? Come one, come all, and bring your friends! See what the Co-op Students Advisory Group is doing for you!

Ranil Sandanayake
CSAG co-chair

Hello Class of 2000!

Two things: we need volunteers to help start getting grad ball organized and we need a theme.

Why start now?

Well, its 2000 and it seems everyone is having a party to celebrate, last year's class had moderate problems when they waited till the fall term to start and the forecast is huge problems for us if we wait. Our trusty MGC Chair has thankfully booked the Waterloo Inn on one of the only available nights left for our party, but that's all we have so far. We need volunteers to help choose the theme, the decorations, help keep track of all the money we're spending, choose a menu, choose music, band or dj, and just generally tell me what to do. Any and all help is appreciated — just e-mail me at ymmillen@uwaterloo.ca.

As for the theme here is a list of suggested themes. E-mail me and give me any other suggestions for themes you have or just e-mail and let me know if there's anything you hate or anything you love.

- 007 Theme
- Futuristic Theme
- Black & Gold
- Millennium
- Under the Sea
- Starry Nights
- Medieval
- Jungle
- Indiana Jones
- Pirates

Thanks for your time and input.

Math Grad Ball Director S'99
Yvonne

In other MGC News...

- Pizza Days are every Wednesday outside the Math C&D — come on out for cheap pizza and cool pop!
- The yearbook committee is looking for volunteers. Please e-mail mgc@uwaterloo.ca if you're interested.
- A social event is still tentatively planned for June 25. Stay tuned to the e-mail list for further information. If you're not on the e-mail list you can sign up outside the MGC office door.
- If you missed your grad photos I'm collecting names and if there's enough interest Josten's will give us another few slots. Otherwise, Grad Photos are completely wrapped up for this semester.
- If you missed your outdoor photo shoot on Monday June 14, it will be rescheduled for sometime during the week of June 21st. You will be receiving a personal e-mail about your new date and time.

Have a Great Weekend!
Esther Small
MGC Chair: Class of 2000



A Student Chapter of the ACM

CSC Flash

Hello, CSC fans! Due to time constraints, I will use this installment of the CSC Flash to remind everyone that the ACM Programming Contest is coming up, and so a practice "ACM-Style" contest is being held this weekend. Here's the info:

ACM-Style Programming Contest

Saturday June 19, 1999

MC 3006

Our ACM-Style practice contests involve answering five questions in three hours. Solutions are written in Pascal, C or C++. Seven years in a row, Waterloo's teams have been in the top ten at the world finals. This is not a selection contest, just a practice. For more information, see the contest web page:

<http://plg.uwaterloo.ca/~acm00/>

Easy Question:

A palindrome is a sequence of letters that reads the same backwards and forwards, such as "Madam, I'm Adam" (note that case doesn't matter and only letters are important). Your task is to find the longest palindrome in a line of text (if there is a tie, print the leftmost one).

Input:

asfgh12dsfgg kj0ab12321BA wdDwkj
abcbabCdchaqwerewq

Output:

abBA
abCdcha

Hard Question:

An anagram is a word formed by reordering the letters of another word. Find all sets of anagrams that exist within a large dictionary. The input will be a sorted list of words (up to 4000 words), one per line. Output each set of anagrams on a separate line. Each set should be in alphabetical order, and all lines of sets should be in alphabetical order. A word with no anagrams is a set of anagrams itself, and should be displayed with no modifications.

Input:

post
pots
start
stop

Output:

post pots stop
start

Pizza will be served after the contest. Please register on the web. All are welcome.

Calum T. Dalek
CSC Chairbeing

A Note about our Cover Art

This week's cover art was composed by Dan McCormack, after much persuasion. Thanks!

Prez Sez

All good here in Society. Still waiting for Club Budgets. MathSoc Council Meeting Thursday, location TBA.

Keep coming to the office and finding the door locked when it should be open or when it shouldn't? Our office workers are hard-pressed volunteers and we are short office workers. We wish we were taller but we can't reach the doorknob. Sorry, that makes no sense.. I mean we need more office workers. Interested in volunteering and helping out? E-mail office@mathsoc.uwaterloo.ca. Don't just stand outside the office and stare into the exec office with sad droopy looking eyes, our sympathy is limited and we are extremely cruel hateful people.

Looking for Canada Day Volunteers, contact vpas@mathsoc.uwaterloo.ca if interested. You get to work with little kids since we run the kids fun fest. Short ones. Shorter than most of our office workers. It'll be fun. I promise. You'll be fed and you'll get a cool shirt too. YOU DON'T HAVE TO BE IN MATH TO HELP OUT WITH CANADA DAY! You don't have to be in Math to do a lot of things actually, but that's one of them.

Are you sad? Lonely? Unhappy? Depressed? Feeling miserable? Is the man getting you down? To have your problems solved, e-mail exec@mathsoc.uwaterloo.ca. You could also hug a little green man. We're trying to convince them not to tear our posters down (which is why, by the way, you don't see posters on the doors much anymore). After you hug them you can name them George (they might not like that), and cry and plead with them not to tear our posters down.

Do you have an idea, comment or death threat you'd like to share with us? Drop your suggestion in the wood colored "suggestion box" across the hall from the C&D. We have naive lackeys open and read them so your explosives and razorblades will not harm us. We're not sure who really owns this box but possession being 9/10ths the law...

Anyway, gotta run that's all that's going on. Any further issues, you know where to find us.

Bruce Lee-Shanok

Calling All Mathies!

Are you interested in teaching? Do you want to exercise your interpersonal skills? Do you want to single-handedly save the world from oblivion?

If you said "yes!", you want to join BUDS. We are a group of students who run a volunteer drop in centre for local high school students... and we are looking for volunteers (students, faculty and staff) to tutor high school students, coordinate our drop in centre, be on the organizational team, or design and maintain our web page. We will be running the centre in Uptown Waterloo, starting up again in the fall (but there is much to be done this term so we can start smoothly when the school year starts!)

The time commitment involved is in the ball-park of 2-4 hours/week, less if we get a very enthusiastic response. We are having an information meeting on Tuesday, June 29 at 4:30 pm in DC 1304. Our phone number is 886-5160, and we can be reached by e-mail at buds@calum.csclub.uwaterloo.ca.

Hope to see you there!

Sam Lisi

(* THE SCOPE AND TIMES OF A LOCAL VARIABLE *)

(* Coder: Tomas Benda *)

```

IMPORT Person, School, Work, Party, Stuff, Place;

PROCEDURE OnceUponATime(): EndingType =

VAR
  guy : Person.T;
  girl: Person.T;
  UW : School.T;

BEGIN
  guy := NEW(Person.T).init(Person.Male, name := "Johnny");

  (* Johnny goes to school *)
  UW := NEW(School.T).init(name := "University Of Waterloo");
  TRY
    UW.learnSubject(UW.Math, guy);
    UW.takeFinals(UW.Math, guy);
    guy.degree := UW.BMath;
  EXCEPT
    | UW.Flunk => guy.degree := UW.BArts;
  END;

  (* Johnny gets a job *)
  guy.job := Work.GetJob(guy.degree);
  CASE guy.job OF
    | Work.Job.IBM =>
      guy.buy(Stuff.car, specific := "BMW");
    | Work.Job.SunMicroSystems =>
      guy.buy(Stuff.car, specific := "BMW");
      guy.buy(Stuff.res, specific := "condo in California");
    | Work.Job.Microsoft =>
      guy.buy(Stuff.grave, specific := "$$$SCHEAP$$$");
      guy.commitSuicide();
      RETURN EndingType.Realistic;
    | Work.Job.McDonalds =>
      RETURN EndingType.Loser;
  END;
END;

(* Johnny meets a girl *)
girl := NEW(Person.T).init(Person.Female, name := "Mary");

(* They fall in love *)
guy.girlfriend := girl;
girl.boyfriend := guy;

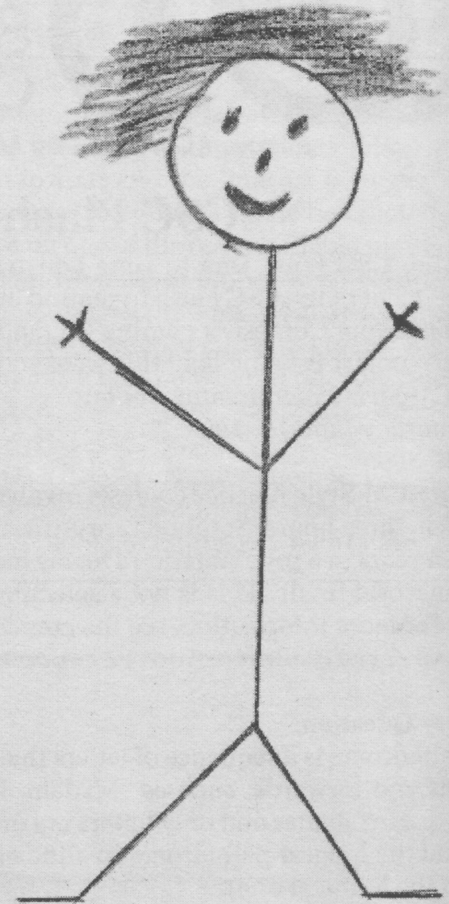
(* Johnny loses girl by making an ass of himself*)
WITH p = Party.Wild DO
  FOR nextDrink := FIRST(p.Drink) TO LAST(p.Drink) DO
    buddy.gives(p.Drink[nextDrink], to := guy);
  END;
  (* ASSERT: guy is very drunk *)
  guy.saysTo(girl, "Heys-sexymama-whud-yous-sleep-width-me?");
  girl.slaps(guy);
  girl.boyfriend := NIL;
  girl.location := NOT guy.location;
END;

(* Johnny gets girl back *)
time := time + time.Night;
guy.sobersUp();
REPEAT
  guy.says to(girl, "Please forgive me, I was being a jerk.");
  guy.gives(girl, NEW(Stuff.T).init(Stuff.Flowers, specific := "the best"));
UNTIL girl.forgives(guy);
girl.boyfriend := guy;

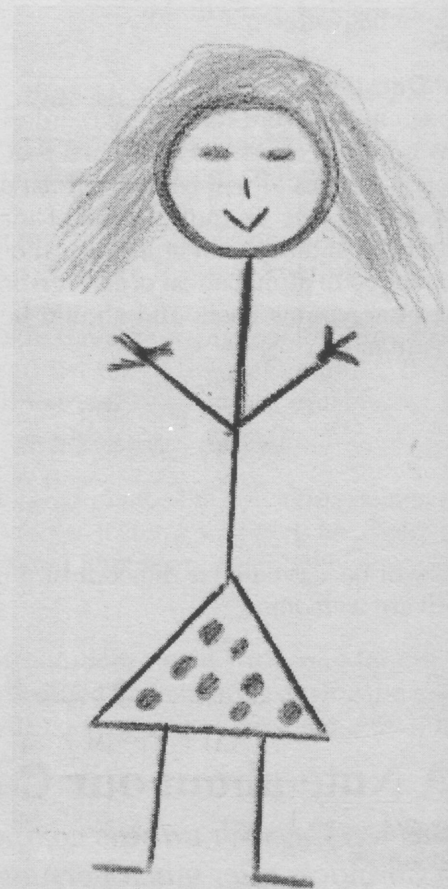
(* Johnny and Mary are happy *)
IF guy.owns(Stuff.car) THEN
  MakeOut(guy, girl, where := guy.stuff(Stuff.car));
ELSE
  MakeOut(guy, girl, where := Place.WhereEver);
END;

(* And They lived happily ever after... *)
RETURN EndingType.HappyEnding;
END OnceUponATime;

```



Johnny



Mary

Winter Vacation Realizations

Bon voyage on this trip to neverland
of merry minds in wonder land
come with me so you can understand
what should and could be

as I walk on carpets frozen in sand
my feet a million miles from my hands
I try to see — I try to understand
all that should and could be

now the PC maiden she has appeared
from the hole where my throat disappeared
and the zombie master has commandeered
all that should and could be

and Zombie Master tries to pass the bluff
of war and glory and the rest of that man stuff
he sure does like to huff and puff
into the face of all that should and could be

now the Coke queen tries so hard to rule
all the minds in all the schools
while her subjects drain the thought pools
of all that should and could be

and the bastard child of shameless greed
he does want me to join this awful creed
he punches me and then he pleads
forget all that should and could be

and so I walk on through these deserts
and close my eyes and plug my ears
and in the darkness try to pierce
into the land of all that should and could be

Aziz Ebrahim
2B Operations Research

lookAHEAD

mathNEWS

June 18	Issue #4 convocates
June 21	Issue #5 Production Night 6:30pm, MathSoc (MC 3038)
June 30	Issue #5 feels patriotic

Math Faculty

June 19	Math Convocation, 10:00 a.m.
June 25	WD Deadline for Math students

MathSoc

June 23	The Dating Game returns!
June 24	MathSoc Movie Night <i>Prince of Egypt</i> and <i>Antz</i>

Miscellaneous

June 19	Tri-Pride, Victoria Park, Kitchener
June 24	Jean-Baptiste day
July 1	Three guesses...

profQUOTES

"Hypermatic overdrive; four on the floor, push button windows
push button doors, greatest invention in the human race; but
you can never find a parking space!
I find this highly illogical"

Nimoy, SPOC 316

"There'll be proofs, yes. It's graph theory, you know. It's not
graph practice."

Haxell, C&O 342

"Can I do it in five minutes? Probably not. You're probably not
in the mood either."

Haxell, C&O 342

"I'll explain that in a minute. After I figure out how to spell it"

Geelen, C&O 350

"I can see everyone coming in with survival gear. If the holo-
caust comes we'll be ready; we thought this test was going to
last six months anyway."

McLeish, STAT 331

"Nobody mention eigenvalues; we've had enough anguish for
this week. We'll save that for next week."

McLeish, STAT 331

"So what's the answer? [long pause] Little too much inbreeding
here?... come on folks, it's time to freshen the gene pool here!"

Cutler, STAT 230

"I'm going to do this quickly since it seems no one is listening."

Mavaddat, CS 351

"It's unique, you can bet your partner's life on it. Never bet
your own."

D'Alessio, MATH 138

MEF Update

This term approximately 24% of those registered in math re-
quested refunds. Thanks to all of those who still believe that
MEF is a worthwhile cause.

The deadline for MEF proposals is Friday June 25th. Requests
for funding forms can be obtained from the MEF website
(<http://www.undergrad.math.uwaterloo.ca/~mefcom>).
If you have any questions about how to make a request or about
MEF request guidelines please let me know either by visiting
the office or by e-mail at
mefcom@undergrad.math.uwaterloo.ca.

As well, there are still positions available for people inter-
ested in sitting on funding council. As a member of funding
council, you will have the opportunity to listen to proposals
and make recommendations to the board of directors on fund-
ing for the proposals. Speaking of the Board of Directors, there
are also positions for students to sit on the board. Applications
for these positions are available from the website or the MEF
office (MC4046).

Nominations for the Winter 2000 MEF Director will be open
for three weeks beginning June 28th. For more information, and
nominations forms please see me in the MEF office (MC4046).

Hope to see you at funding council!

Jennifer Cote
MEF Director, S99

Snuggles Sez

It's like Simon Sez wearing all leather and carrying a whip. Simon's not here anymore. I got to wondering, and that is always a bad sign, so here goes. I wonder if anybody even read my little disclaimer after a week or so last term. I figure people would just assume that it was the same since I continuously bitched about it being there so they would skip it. I think one time next term I should change it a bit, hehe.

Hmm, Hey Everybody. I'm glad that you're screaming "Hi Snuggles" somewhere else because chances are that I'm sleeping. Hell, with the amount that I'm sleeping the chances that I am asleep as you read this are about 50-50. During school terms I work during the week and generally recover over the weekend. During the summer term I work on the weekend and take the whole week to recover. Then there's camp. Then I work for July and spend August recovering. Actually I'm gearing up now for the craziness. I was in New York two weeks ago (by the time this comes out) and I spent a while recovering. What did I have to recover from you ask? (And even if you didn't, sit down, and listen to the answer anyway, or rather, read the answer anyway, ah whatever.) Well mostly I was sore from driving in a van for eight hours (which did wonders for my bad knees). Then playing several hours of soccer the next day. Then playing several hours of football the day after that. Then driving home in a van for eight hours (which once again had a wonderful impact on my knees). But I loved it. And the most important part is that we won the football game (we have an annual grudge match between the Canadian camp and our American sister camp). But now it's about time to start going crazy planning everything (not only camp stuff, also EYT and MMT, wow, it's a bitch to get Word to let you write eyt without it switching it to yet). Ah well, all good.

As you have noticed the good people at *mathNEWS* chose to preserve that which is left of my sanity instead of keeping the sanctity of the English language pure. Thanx. Fucking ELPE. Sorry, couldn't help myself. Back to the quasi-virtual reality that is my world.

Last week I was at a picnic. It was really hot out and I was wearing black jeans because I am stupid. Needless to say I was boiling and sweating but playing soccer anyway. And then, just as I drifted off into a wonderful dream of returning to my cold basement, I heard the sweetest sound in the world (at the time), the sweet ding-a-ling of the ice cream guy. So I went over and looked what I could have. Hmmm, ice, that sounds good. So I bought some colourful ice (AKA a popsicle). I looked at the front to make sure it had no milk in it (lactose intolerant and proud). The wrapper looks back at me with a simple "125 ml of Ice" as the ingredient. I wondered about the colouring, but hey, who am I to argue. So I took my new found savior (who would have thunk it, the messiah is ice. Look it was really hot out OK?) over to where my friends were sitting and commented on this strange colourful concoction with crazy flavour that was made of just ice. One of my friends smacked me upside the head. I smiled. Then they pointed to the other side of the wrapper. I smiled. Then they unfolded the back of the wrapper to show me the 42 ingredients that made up that which was making me smile. The popsicle had deceived me. It was not simple ice but a mixture of preservatives, colouring and artificial flavour. I quickly denounced it as my savior and went back to my soccer game. Hey, don't look at me so strange, put the phone down, I don't want to go to a round white room where I can bang my head on the wall all day and it won't hurt because of the wall padding. I want to be free, free, free. OK, I'll stop drinking Toronto tap water and maybe my delusional hallucinations will stop. I figure it's either the water or living with my parents.

You know what a Freudian slip is? It's when you're eating dinner at your parent's place and you mean to say to your mother 'Please pass the salt' but instead you say 'You ruined my life, you bitch'. I like Freud. I bet he did a lot of crack. Anyway, time to go to sleep.

The Snuggly One — Never use lime marshmallows for roasting, it tastes like roasted lime.

mastHEAD

Guest editor: Conrad, the East Side Mario's Waiter

So, here I am, minding my own business, waiting on tables at the East Side Mario's on a Monday night, when these hoodlums come in asking for our finest table. These punks, nine of them in all, have hidden in their midst a board game! Imagine! Dining at a fine restaurant like East Side Mario's, and bringing a board game! We've got NTN, you know.

It appears that this rowdy bunch of ne'er-do-wells is actually the integral part of the *mathNEWS* troupe, which, every so often, get together and publish a newsletter of some sort on coloured paper. But instead of getting work done on their inappropriately-named Production Night, they come here and kick back pitchers of Coca-Cola, munch on this entrée or that, and play a full-fledged game of Monopoly!

Whilst this jamboree took place, it occurred to me that work on the issue proper was not progressing. I decided to take advantage of the Arts degree under my belt to grab the reins of this week's issue, and edit the sucker myself!

I was careful to always make an appearance at the table de jeux, to bring more hot water or loaves of bread, which they went through quite rapidly. I am satisfied to state, however,

that this issue has been completed on schedule, and under budget. Just so you know who these so-called staffers are, I'll list them for you below, listed by what they ordered (since that's how I know them best), along with their favourite *alternative* version of Monopoly is: the Bronx Burger guy, uh, Mike, I think (Twister Monopoly - left foot Ventnor Ave.), the Mulberry St. Connection, they called him Jack (Statistical Monopoly, where the prices follow $X^2(v)$ distribution), those Farmer's Spaghetti girls, Jean Knetsch and Gigi Garbett (Glitter Monopoly & Hershey Chocolate Edition Monopoly), that Cheese Capaletti person, er, Chad (Babylon 5 Monopoly), Mr. Chicken Tender, also known as Greg (Mercury Monopoly), Matt "Roasted Chicken" Walsh (Dystopian Monopoly; the properties are all owned by huge unfeeling corporations), Panini Chris (I'll get back to you on that Monopoly), plus Chicken & Cheese Richard (Real-Time Monopoly; the goal is to avoid colliding with other players).

Thanks goes to me for serving this bunch their grub, and to Marion at Graphic Services, who I hear always gets the Garlic Bread at Mario's.

Conrad (East Side Mario's Monopoly!)

Grid Solutions

from Issues 2 & 3

J	A	R	J	A	R			T		B		B
A		O						T	A	T	O	O
B	A	N	T	H	A	S		R		S		N
B		T		O				K	E	S	S	E
A	N	O	A	T		D		I	H			
	A			T	H	R	A	W	N		M	
	B		A			N				I	N	C
	O		T	A	N	T		I	V	E		A
M	O	S		N		O					S	T
A		A		T	R	O	O	P	E	R	S	
D	A	R	T	H		I		E				N
I		L		O		N		K			J	A
N		A		N	E	E	S	O	N		I	
E		C		Y				K			N	U
	I	C	E				Y	A	V	I	N	

Issue 2 Solution

D	O	Z	E	N					J	I	G	
		E									A	
		R									T	
	H	O	G					F	A	B	L	E
		I								O		
	A	V	O	W	S			D		R		
		E			T			M	I	X	E	S
V	A	I	N		K	Y	R	I	E			C
	L			S		M		T	A			U
	O			Q	U	I	D		B			R
	O			V		E			E	I		L
O	F			I			L		T	A	C	T
G				N			I		A		Y	A
R				T	O	N	S		W			H
E						P			E	N	D	U

Issue 3 Solution

Letters to mathNEWS

Sorry, not this week

I know, I promised everyone that you'd all hear about the mathNEWS cult in Iran this week. Well, that's just not going to happen. Why? Because so far I've been having a shitty week, what with having caught a cold from my houseguest from last week, as well as other frustrations that none of you particularly care about. So be watching next issue for the Iran story.

Matt "So-Krates" Walsh

Cynic's Corner

Law & Order Notation

Well, I still don't have a grade report, Mike Harris is still running the province, and my mind is currently a blank. Joy. I hate it when I can't think of a topic and it just looks like I'm rambling to fill up space. (Instead of rambling to make you think about life in general, rambling to amuse the masses, or rambling just to be able to bitch about things.) But since I'm sure there's at least one person out there who is reading (thanks Mom), I've entertained random suggestions from people and have decided to say a few words this time on rules and laws.

All right, so rules are annoying things at times (especially if you're a rebellious teenager with strict parents) but they're usually there for a good reason too. I say usually because sometimes it's just bureaucrats messing with our minds; see last article. But given that there's a reason for having certain regulations, breaking them should mean consequences. Which sometimes results in the removal of privileges, and these may not be for just the one individual but anyone else involved, directly or indirectly. Such as the guy who keeps posting binaries to a non-binary newsgroup, resulting in the loss of the newsgroup by servers who can't handle the load. (It's happened to people I know, and these days there's usually more than one person out there with a new scheme or spam.) I think the idea of losing something when you didn't do anything wrong is annoying, generally tends to upset, and there's bad news all around especially with regard to the instigator(s).

But, you shout, I didn't know that I was breaking the rules! Well, should ignorance of the law be an excuse? Personally, I agree that it's unfair to expect someone else to be able to read minds. However, if you lay out a set of rules somewhere and tell people about them, that's a bit different. (Assuming they're not in a locked filing cabinet in the basement of an unused laboratory.) If you didn't read the rules when they were given to you or when you were told to, then it's YOUR error, no matter how you try to justify it. (Not that we all haven't tried, and I know I'm terribly good at justifying people's actions.) But still, the idea is that rules aren't made to be broken, they're used to help maintain order. Sure, chaos and entropy have their high points, but if life never had any order imposed on it we could be in real trouble. (More fights over difference of opinion, more things going missing or not getting completed, more confusion when playing Mao...) I'm not going to go in depth about this since my brain is tired, but it is something to mull over.

Plus, even if there's no specifically stated rule or law, there is also common courtesy to consider. "Do unto others" and all that jazz; hey, for all you know you might end up on the receiving end a few years down the line. So in conclusion, I think I'll just warn everyone that they shouldn't expect to see a follow-up to this article next issue that simply states "I agree!" or "I disagree!" without adding anything new. What would be the point, right? Well, unless we need the filler.

Greg "hologrami" Taylor

Ceci n'est pas de filler

Spermatikos Logos #4

The Preamble

So how many people have seen the new Austin Powers movie? How many of you think that they're gonna make another sequel? Who wants to see a third Austin Powers movie? Who really cares? What's with all the questions? Just filler... oops, that's a loss of serve. Anyway, enough of this incessant rambling. On with the logos.

I received three correct submissions... oh, is that right? I received three submissions... total... for the last puzzles? What were you on, that you could pass up the chance to submit to the logos. (Sucks to be you.) I know, I know. You were all busy with your midterms, right? (No, I was busy shagging.) Well, that's no excuse. (Oh, tell me, what can I do?) You can get together on Friday morning with all your friends, and at least B.S. a solution, right? (I'd rather sleep.) Isn't that what you do for most of your midterms anyway? (Get on with it, girl.)

Okay, well, here are the answers for the last two puzzles. There was one solution submitted for the Star Wars puzzle, and so by default the prize goes to St Paul's Shadow Council. (Hip, Hip...) Hooray. (Insert sales pitch.) And you too can win a random,

non-disclosed prize, available at the MathSoc office.

I also received two submissions for the most recent puzzle from Stephen A Mills and the St Paul's Shadow Council. As promised, the tie goes to the most interesting answer. So the prize goes, by consensus, to St Paul's Shadow Council, for their answer of, "Whodunnit? It was Rimmer with Kachansky's disks in the solar panel outside the sleeping quarters. The mystery was solved by Lister with help from the physical embodiment of his confidence." So the lesson for today, folks, is: the more you submit, the more you can win. Should be easy for all you university-student types.

Just in case you don't already know how to submit your solutions to the Logos, you can drop them in the **BLACK BOX** on the 3rd floor MC (it's across from the comfy lounge), you can email them to me or to the lovely editors at mathnews@undergrad.math.uwaterloo.ca, or you can give them to MathSoc. So much choice. But either way you choose, your solutions are due on June 25th, at noon. And yes, that's a FRIDAY.

The Answers

Star Wars Answers

1st	Suzanne Arnold	statistician	Chicago, Ill	Boba Fett
2nd	Lily LeCroix	accountant	Springfield, Ill	Darth Vader
3rd	Zachariah Frontenac	engineer	Cleveland, Oh	Luke Skywalker
4th	Yvette Deschamplain	secretary	Albany, NY	Princess Leia
5th	Tony Scott	photographer	Buffalo, NY	Han Solo
6th	Pierre Lambert	lawyer	Cincinnati, Oh	Obi Wan Kenobi

The Firemen Answers

1st	Rimmer	17"	\$50	black	moustache only
2nd	Dan	11"	\$30	purple	moustache only
3rd	Chris	15"	\$60	blond	neither
4th	Lister	5"	\$40	blue	beard
5th	Fred	8"	\$25	red	moustache and beard
6th	Mike	4"	\$35	brown	neither

This Week's Puzzle

A Baseball Diamond Is A Man's Best Friend

(Written by guest puzzler John Swan)

In honour of the upcoming Canada and Independence Days, a tournament was held in Waterloo for semi-professional baseball players. Six players are actually coaches from six cities. Your job is to determine the coach's first and last names, the city their teams are from (Waterloo, Brantford, Lansing, Detroit, Flint, and Toronto), the teams' nicknames, the sponsor for each team, and the teams' standings in this tourney. (Assume each team plays each other team once, and there are no ties. A chart may be useful for this purpose.)

- The six teams are: Mr Scotterman's team; the team sponsored by San Juan Hill's Food Co.; Daniel's team (who weren't from Waterloo); The Riflemen; the team from Brantford; and Xavier's squad (who weren't sponsored by Harrison's FjErd Motor Company).
- The undefeated team and the winless team came from the United States. Casey wasn't on either one of these squads.
- The Destroyers are not from Waterloo, but they belong to Mr Hobson.
- Both Frank and Mr O'Flanagan are on Canadian teams, neither of which is The Bees.
- Bobby's last name is not Quinlin or Reiley, but his team nickname is The Wizards.
- Mr Banterson, who came from Lansing, defeated all but the one team sponsored by Mini Ltd.
- George was happy that his team from Flint won every game they played.
- Xavier defeated Mr O'Flanagan, but lost to a team called The Thunder.
- The Brantford team (who was not owned by Casey) was sponsored by Black & White Combines.
- Citizen Sugar Cane, Inc was sponsoring Daniel's team, who were American.
- Casey defeated the Toronto Riflemen, but lost to the Hawks.
- The team from Brantford beat Mr Reiley of Toronto and the Bees' Mr Quinlin.
- The team that was winless came from Detroit.
- The Alpro Aluminium Company didn't sponsor any of the Canadian teams.

Gigi "Hesitation! One-Love" Garbett
gngarbet@artsmail.uwaterloo.ca

Filler

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go_to_hell@mathnews.ca

mathNEWSquiz #4

What did I say?

All right, all right. I get the hint. No more wrestling questions! (Sigh.) Yes, it is I, the Subliminal one, here once again to tickle your fancy with titillating tidbits of trivia. However, I have received a less than stellar number of submissions so far, which leads me to conclude that you don't like wrestling questions. Your loss. Anyways, we have a lot to catch up on (namely, the past 2 Squizzes), so here are the answers to the past 2 issues:

Squiz #2: A New Hope: 1) Tantive IV; 2) the fourth moon of Yavin; 3) Twin Ion Engine; 4) Grand Moff Tarkin; 5) about 2 m wide; 6) The Clone Wars; 7) Mos Eisley; **The Empire Strikes Back:** 1) 3720 to 1; 2) Frank Oz; 3) He beat Lando in a game of Sabacc; 4) Dagobah; 5) Hoth; 6) Tauntauns; **Return of the Jedi:** 1) forest moon of Endor; 2) feed them to the Sarlacc; 3) the Rancor; 4) Admiral Ackbar; 5) Ewoks; 6) he gets knocked into the pit where the Sarlacc is waiting; 7) red

Squiz #3: Music Lyrics: 1) Steam (or Bananarama or The Nylons), "Na Na Hey Hey Kiss Him Goodbye"; 2) Spice Girls, "Goodbye"; 3) Elton John, "Goodbye Yellow Brick Road"; 4) The Beatles, "Hello Goodbye"; the theme was goodbye songs; **Owen Hart:** 1) WrestleMania V; 2) Yokozuna, The British Bulldog Davey Boy Smith, and Jeff Jarrett; 3) Madison Square Gardens in New York City; 4) "The King of Harts"; 5) Stampede Wrestling (based out of Calgary and run by his father, Stu Hart); **Homer does Hollywood:** 1) Herbert Powell; 2) Maggie Simpson (as well as herself); 3) Jessica Lovejoy; 4) Laura Powers; 5) Stacey Lovell; **Acronyms:** 1) Club That Really Likes Anime; 2) Women's National Basketball Association; 3) World Health Organization; 4) North Atlantic Treaty Organization; 5) Canadian Security and Intelligence Service (or, Centre for Strategic and International Studies).

For Squiz #2 (the Star Wars Squiz), I received 6 submissions. They are as follows: Colin McMillan received 14 points, Michael Cheng scored 15 points, Peter Marshall got 19 points, and Tim Coleman, Steve Almond, and The St. Paul's Shadow Council each received a perfect score of 20. Hence, by random draw, the winner of the Star Wars Squiz is **Steve Almond!** Congratulations! For Squiz #3, I received 2 (yes, a whole TWO) submissions. (But I'm not bitter or anything, really. I swear.) Both Lukas Kamps and The St. Paul's Shadow Council (you guys rock) received a perfect score of 20. So, once again resorting to randomness, the winner of Squiz #3 is **the St. Paul's Shadow Council!** Way to go, guys! Both you and Steve are reminded that your prizes can be found in the MathSoc office.

So, without further ado, it's once again time to play the Squiz!!

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Kings of wishful thinking: Greg Taylor, Richard Bilson, Chadwick Severn, Matt Walsh

Music Lyrics

(you know the drill)

1. "Too late
My time has come
Sends shivers down my spine
Body's aching all the time."
2. "I never wanted to be your weekend lover
I only wanted to be some kind of friend
Baby I could never steal you from another
It's such a shame our friendship had to end."
3. "Fine little girl waits for me
Catch a ship across the sea
Sail that ship about, all alone
Never know if I make it home."
4. "After the turn of the century
In the clear blue skies over Germany
Came a roar and a thunder man had never heard
Like the scream and the sound of a big war bird."

Phobias

What are you afraid of if you have...

1. Ophidiophobia
2. Novercaphobia
3. Merinthophobia
4. Alliumphobia
5. Arachibutyrophobia

Literature

Name the author of each of the following books

1. *The Handmaid's Tale*
2. *The Great Train Robbery*
3. *A Study in Scarlet*
4. *Who Has Seen the Wind?*
5. *The Great Gatsby*

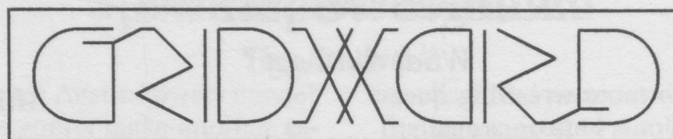
History of the NBA Finals

1. What year was the last time that the New York Knicks won the NBA Finals?
2. What year was the last time that the San Antonio Spurs won the NBA Finals?
3. What team has won more NBA Finals than any other team?
4. What year was the last 7-game NBA Final?
5. Name the player who holds the record for the most points in one NBA Finals game.

Well, that's that. Since there are no wrestling questions this time, there is no excuse for you not to submit (hint, hint). Remember, you can submit solutions in one of 2 ways: deposit them into the **BLACK BOX** outside of the Comfy Lounge; or email them to me at cjm McGuire@undergrad.math. Good luck to all of you. Your submissions will be due on Friday, June 25 at noon. Until next time, happy Squizzing!

Chris "Mr. Subliminal (I know where you live, so submit)" McGuire

EEK!



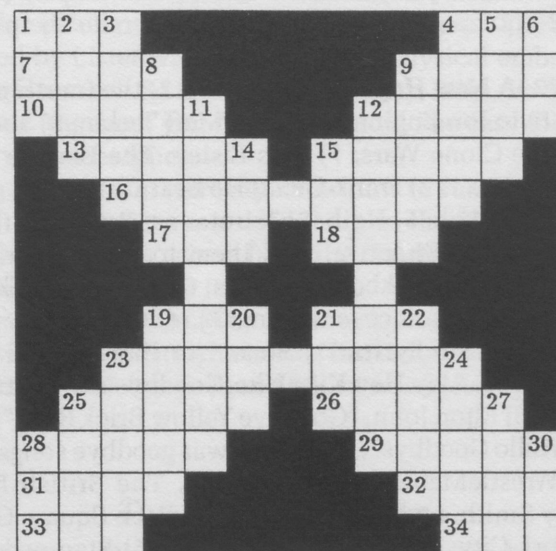
Grid Clues (X Marks the Spot)

Across

1. Motor vehicle
4. Lodi performers
7. Native of Riyadh or Baghdad
9. Actor McLachlan
10. British singer Cherry
12. Impressionist painter
13. Withered bush
15. Typeface ornamentation
16. Containing less solute
17. Hallucinogen
18. Noise
19. Fool and drunkard
21. Ferryboat
23. For real
25. Opposite of bland
26. Natural sweetener
28. Region, area
29. Mundane
31. Rhythm
32. Stir up
33. "Honest" U.S. President
34. Age

Down

1. Metal container
2. God of War
3. Where you might find a cowboy
4. One who thinks the worst of people
5. Treble, alto or bass?
6. Separate linen fibres from flax wood
8. Mineral content of emeralds
9. Gazelle
11. Children's game
12. "Rub-a-dub-dub, three..."
14. Divine being
15. Ground
19. Set of tools, for computer users
20. Your, in singular
21. A ship's captain's degree?
22. According to Freud, sometimes just one
23. At speed
24. Portage-able boat
25. What seahands do to the deck
27. What powers a subway
28. Place of relaxation
30. Lawyer's degree



gridCOMMENTS

Hello again, everyone. I hope that you're all enjoying your summer so far. I know that there are purists out there who, upon reading the previous sentence, cried out that summer hasn't started yet. If you are one of those, then please follow these instructions: shut up.

Anyhow, as far as I know, we've received one submission each for the Star Wars grid of Issue 2, and the Scrabble grid from last issue. The St. Paul's Shadow Council have apparently given us a correct solution to the Star Wars grid, and so I pronounce them the winners. From last week, Queen Sparkle and the 3rd Floor Crew submitted a solution which is not entirely perfect, but in light of the small number of word crossings, I'll give them the prize anyhow. (By the way: my Lovely Assistant would like Queen Sparkle to prove that she is worthy of her sobriquet, presumably by showing up and sparkling or something.)

No answers to last week's Question, which leads me to believe that there is, in fact, no life after TPM. Which makes me wonder about all the breathing that I've been doing lately.

Anyhow, so the one complaint I got about last week's grid was that there weren't enough crossing words. OK; this week, every letter but four are part of two distinct words. (And incidentally, those four letters will also form a word, taken counterclockwise; that clue is *penny's worth*.) The Question that I'd like people to answer is: *What's the worst movie you've seen all year?* Submissions for this Grid are due on the 25th of June (being a Friday) by noon. Good luck!

Matt "So-Krates" Walsh