BOB'S
ELECT

TALES FROM THE BAD PART
OF TELETUBBIELAND.

*mast*HEAD

February, Quite Contrary…

Yo yo. Matt here. It's past the first week of February, and I suddenly have spare time again. Having survived FASS with my mind and status intact, my plan is to now coast on my relative freedom for the next two months, making my graduating term my most relaxed since 1A. Or so I suppose.

In other news, we've finally gotten in all of the various puzzle prizes that people couldn't find last week. If you've won a prize in either this or last issue, then drop on by the MathSoc office. (Note to office workers: try looking in the *math*NEWS mailbox.)

Well, by now we all know the results of the various FEDS elections and referenda. However, writing this from the comfortable ignorance of Monday night, I know no such thing. That being the case, I present for your enjoyment tonight's staff, along with their opinions on the question *What would or will the FEDS really do with all the extra cash?*: John Swan (Well, the executive are thinking of getting a new juke box, so…), Michael Thorsley (Use it to finance their $500/day crack habits), Donny Cheung (Keep their supply of pumpkins & chain-link fences coming in…), Derek Kisman (Brand-new ivory backscratchers), and Byung Kyu Chun (Put a disco ball in the Comfy).

Many thanks to the wonderful folk at Graphic Services who run the presses off which this issue is hot, and to Reed and Solomon, who invented the coding scheme which made CDs a reality. Enjoy your reading, um, week, everyone.

<div align="right">

Chadwick Severn (Slots, baby, yeah!)
Greg Taylor (Let bye gones be buy gones)
Matt Walsh (Um, maybe spend it?)

</div>

*look*AHEAD

Meaningful Causes

Over the past five years, undergraduate and graduate math students have been donating money to the principal endowment fund. Each year we spend the interest on meaningful projects that help undergraduate math students. The Math endowment Fund (MEF) sponsors educational conferences and talks, course development, and new learning facilities specifically for undergraduate students.

MEF needs your help!

This is a new term and we have approximately $20,000 to spend on students projects. The catch is that we need you help to spend the money. You can help by either joining the funding council or submitting a proposal!

Join the Funding Council!

The Funding Council is made up of students, alumni and professors from various disciplines in the Faculty of Math. Council members review proposals brought to MEF then recommends those with which it feels are worthwhile to the Board of directors. Nomination forms are available on the MEF website. Nominations close Friday, February 26, 1998.

Submit a Proposal!

If you have an idea that would benefit education in the Faculty of Math, bring your proposal forward. "Submission for Funding" forms will be available on the MEF website.

More information can be obtained from the MEF web site `http://www.undergrad.math.uwaterloo.ca/~mefcom`, by e-mail (`mefcom@undergrad.math`), by dropping by the office (MC 4046), or by calling the office (x: 5757).

<div align="right">

Jeremy Scheffel
MEF Director – Winter 1999

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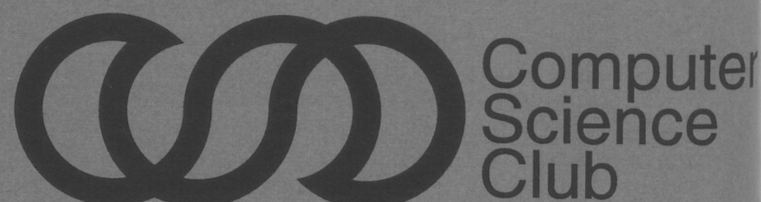
Computer Science Club
A Student Chapter of the ACM

CSC Flash

Greetings, puny mortals. As official chairbeing, I would like to welcome you to the Winter 1999 term. It will be one of your last. The Dalek Transmission Network was down during the crucial *math*NEWS submission window last issue. But never mind that.

I see that things are going well with my avatars, the Computer Science Club executive, as well as the rest of the membership. The term has gotten off to a good start, with a new programmer-slave having been chosen by means of a "programming contest". This slave is referred to as "Derek Kisman".

Finally, the great Quest is over. The mysterious Pud #18 has been found. Now my collection is complete, and world domination will come in short order. In this elusive comic, Pud is knocked out and his brother steals his pop. Very good.

You will be exterminated soon.

<div align="right">

Calum T. Dalek
CSC Chairbeing

</div>

Hello happy mathies!

The Pure Math/Applied Math/Combinatorics & Optimization club has a lot of exciting things lined up for the near future.

First of all, we have a series of good talks planned.

This week, Russell will have spoken about the consequences of various axioms of set theory upon measurable and unmeasurable sets. 25 February, Professor Lamb will speak about fluids (the presentation sounds like it will be multimedia in nature!). 4 March, Professor Koblitz of the University of Washington will speak about Elliptic Curve Cryptography. Professor Nica of the analysis group will talk on 11 March. 25 March, Professor Wagner will give us a talk. His area of work is in combinatorics.

Towards the end of March, Mike Glaum, a former AM student, will hopefully speak on control theory. We are also hoping that Ulf Nilsson, a postgraduate working with Professor Wainwright's cosmology group, will be able to tell us about that. This talk list is not by any means exhaustive, so check uw.pmc and/or the walls of MC for announcements!

Sometime in the week of the 15th of March, we will be having Short Attention Span Math Seminars. If you are interested in giving a 20 minute talk on a topic pertaining to mathematics, please contact Jim Nastos, jnastos@undergrad.math.uwaterloo.ca. We will have refreshments and gifts for speakers. The talks will not (for the most part) require huge amounts of mathematics background. Bring your interest along and we will all have a great time!

Finally, the PMC will be running a chess tournament early in March. We are tentatively considering the 6th of March (a Saturday), starting at 3:30 or so. We will be giving out prizes and serving refreshments of some kind (cookies and juice perhaps). There will be a $2 entrance fee. Everyone is invited to take part (in other words, you don't have to be in math to compete). If you would like to register, please email me (stlisi@uwaterloo.ca) or the pure math club account (pmclub@undergrad.math.uwaterloo.ca). For those of us who get eliminated right away, we will also have various silly chess variants (e.g. tag chess). MathSoc and the PMC door will also have (paper) sign up sheets. Payment can be made at the time of the contest. More on this later when things are more permanently booked. Oh, and if you can provide a chessboard and/or a chess clock, the entrance fee will be waived. Let me know in advance if this is the case. More specific details and confirmation in the next issue of *math*NEWS.

Have fun with your reading weekend.. and I hope that you will be celebrating Valentine's day and not the International Day of Bitterness and Loneliness. And remember, Mike Froh is the Lord High Ruler of the not quite noncommutative algebra…

Sam

MGC News Update!!!

The Math Grad Committee is holding LaserQuest Night on Thursday, February 25. Tickets are $10 and include 2 LQ games and pizza for dinner. Buy tickets in the MGC office MC3029.

Also, check your e-mail and find out if someone has sent you a Hershey's Hug- or Kiss-o-gram. Pick them up in the MGC office today if you haven't already.

Candice Parado
MGC 1999 Co-Chair
Prime Time

[Some things our illustrious co-chair neglected to mention: today is, I believe, the last day that you can order a mask to go with your Grad Ball ticket. Also: if you haven't already, go and buy your yearbook and your Grad Ball ticket! Finally, remember that applications (or nominations, whichever) for the J. Alan George Award and Valedictorian are open between the 18th and 26th of February. — ΣEd]

Prez Sez

Hi there everybody. Time to learn about your favorite society and other randomly relevant things again.

Do you have opinions? Are you ever on the third floor? If you answer no to both of those, go away and read the next paragraph, you don't care about this paragraph and it doesn't care about you. For those of you that are still paying attention: A number of opinions have been voiced about possible improvements to the third floor. So I have formed a committee to discuss them and bring a proposal to council about it. If you would like to voice your opinions (have input where your money is going and on how your building is being changed) on this issue please join us. It would probably be easier for you to join the meeting if I had a meeting location and time to give you now, but I don't. So email me (prez@mathsoc) if you are interested and I will contact you when we are meeting. Things already brought up include everything from plants, to fans, to opening up the comfy to the brain room with sliding windows.

Yaacov Iland has been acclaimed as a new MathSoc Computer Science Representative. Incidentally, nominations for Actuarial Science, Computer Science, Interdepartmental, General Math, Statistics, Business/Accounting, and Undeclared are now open, and will remain so until 4:30 PM February 23rd; forms are available outside the MathSoc office. If you are asking yourself what a rep does read on, otherwise feel free to smack yourself repeatedly, or be confident in your current knowledge, whatever. The representatives shall represent their constituents to council and keep them informed, attend regular council meetings (1 hour every other week), and maintain at least 1 office hour per week. Now you know, and knowing is at least .46 of the battle (plus or minus .041)

(Here Snuggles talks about Pub Night, which his VPAS does elsewhere, so fuhgedaboudit.)

Honourary Lifetime Membership and Instructor of the Year awards will be open for nominations until February 26, 1999. For more info (or the forms) come to the Soc office.

I'll have a bunch more relevant things next issue, sorry, I'm sick and have been mostly dead for three days (think Princess Bride mostly dead). So for now that's all.

Stephen Snuggles Skrzydlo - The Snuggly One
President of MathSoc W99&F99

*prof*QUOTES

"You guys are full of it today."

Safayeni, CS 432

"*You're* likely to lose marks no matter what."

Safayeni, CS 432

"I hope you appreciate that I did waste your time."

Zorzitto, MATH 138

(writes on board) "f anal U"

Lu, PM 352

"I'm old and senile."

Cummings, MATH 136

"Now what I do next might be a little mysterious, but it helps us… oh shit."

Schellenberg, MATH 239

"The more I look at it, the more it looks wrong, so I won't look at it."

Ng, PMATH 336

"It's like kissing your sister… it's okay but it's not satisfactory."

McGee, AM 343

"This is very easy to apply in action and is, indeed, fun!" (referring to homogeneous kth order difference equations)

McGee, AM 343

"What is it, big boy?"

McGee, AM 343

"You started out with an innocent, virginal looking difference equation…"

McGee, AM 343

"How much time did you spend on the assignment? Really, I know you started yesterday, so there's a maximum amount of time you could have spent…"

Kates, CS 450

Math Thoughts

I had purchased a cheesy-jalapeno bagel from the C&D. I did a slow gallop to the comfy and pounced on the couch. The bagel flew into the air, did a few mind-boggling flips, discarding crumbs at every turn, and rolled for over ten seconds on the slightly discoloured grey carpet. I ran to grab the bagel; fortunately the cream cheese spread had left a trail for me to follow. I picked it up, took a beaver like bite and tasted it… Do you remember when you were 5 and you were first taught to add and subtract on paper, only the paper was covered in Peanut Butter and Jam from your lunch and then you took a bite of the paper?… Well that's not what it tasted like at all. It just didn't taste very good.

Paul Royston

The Joys of Hair Colour

Well, having witnessed multiple hair dying experiences in the past year (let alone the past five months) I can firmly say with utmost confidence that dying your hair is simply *the* social activity in which to partake. Indeed, people tend to think that beers at a pub, or perhaps seeing a movie, or hanging out together, or even sex is the way to go when you're looking to have a little fun. But they're wrong. Dye your hair. Here are the secrets.

First and foremost, this is a social activity. Find somebody to help you. If you dye your hair alone, inevitably you are a shameless loser with no self confidence (let alone self image). If you go this route, at the very least let nobody find out about your soiree. This might be difficult considering the colour change in a visible part of your anatomy, but essential if you don't want to be branded the loser that you are. No, what you need to do is find somebody to help you out, preferably of the opposite sex. Women dying each other's hair is more socially acceptable then men dying each other's hair, so women can perhaps get away with it, but men, you're out of luck. If the only person you can find to help you die your hair is a guy, forget it, you're already approaching loser-dom, concentrate on getting more female friends first. Finally, it should be noted that finding somebody you're actually attracted to is best, but not required by any means.

Ok, so you now have your friend standing there with plastic gloves on and hair dye ready. At this point, as you begin to dye your hair, you must start laughing outrageously. Try and find something funny (inevitably you will – there's something intrinsically funny about dying ones hair) and laugh the devil out of it. It really helps if you have a big booming laugh that can be heard throughout your house. The point of this is to alert your roommates of your activities, and point out to them just how cool you are. After all, you're the one dying your hair with in a socially acceptable manner, they aren't. You're cool, so spread the word.

At this point, the hair dye has been applied and needs to set for a little bit. You're having a good time with an attractive member of the opposite sex laughing quite a bit, however you've noticed that none of your roommates have come to investigate just precisely what's going on. This is a very good point to take the laughing one step further by actually showing them, in person, what you are doing. Maybe there's a chance that they didn't hear the laughing, or perhaps they just weren't able to figure out what it meant. Well now they'll be force to recognize just how cool you are, since you'll show them your hair dying in progress. This is particularly effective since the attractive member of the opposite sex will still be around at this point, so he or she will be able to come with you and fawn adoringly over your lovely new hair colour in front of your roommates. Again, you're cool.

Finally, your hair dying machinations draw to a close with the setting of the hair dye complete. Although the height of the experience (and hence your coolness) is now over, the story isn't quite over yet. Now you must show off your new hair colour to everybody who even remotely knew you beforehand. In doing so it's best to be subtle. Don't go around sticking your head in other people's faces and asking if they notice anything different. No, walk around as normal. Don't worry, lots of people will comment, and when they do, it is here that you begin to talk them up. Discuss your new hair colour. Describe why you did it, how it looks. If you motivate your companion to come up with a new nickname for you based solely on your looks, you've really hit the jackpot. Encourage the use of that nickname, as it draws attention to your one feature that truly marks you as a cool person. As before with your roommates, you're spreading the word of how cool you are, this time to everybody you know.

Max Stevens is about to graduate
and yet has never died his hair.

*math***NEWS** **Late-Breaking Update**

Enough to Give You the Wiarton Willies

Wiarton, ON (*m*NFP): Most people know the folklore of Groundhog Day: if the groundhog comes out on February 2nd and sees his shadow, there will be six more weeks of winter. If he doesn't see his shadow, an early spring is on the horizon.

But what if he doesn't come out at all?

Canada's "official" groundhog, the albino Wiarton Willie, did not join us this year to render his prediction in person.

Why? Because — WARNING: THE FOLLOWING MAY NOT BE SUITABLE FOR SOME PEOPLE; READER DISCRETION IS ADVISED — Willie croaked.

Organizers of the Wiarton Groundhog Festival announced to a stunned crowd that had been eagerly awaiting Willie to put in an appearance that the prognosticating rodent had died on Sunday, January 31st. Instead of the traditional Groundhog Day ceremonies, Willie's body was displayed in state in a handmade pine coffin.

Organizers denied that they'd hidden the details of Willie's death in order to prevent the Wiarton tourism event of the year from an untimely demise of its own, claiming instead that the funeral and other media-friendly events were merely an appropriate sendoff for Canada's most respected rodent.

Except they got one small detail wrong: that wasn't Willie at the funeral. It was a stand-in. Worse, it was a bad fake: a stuffed groundhog painted white. Apparently the real Willie didn't die on January 31st, but sometime over the winter (nobody knows just when), and — UCK ALERT — rotted. One source claimed that Willie "emerged from his lair in various pieces at the end of a fan rake," rather than on all fours.

The show just had to go on, of course. All those tourist dollars — er, I mean tourists — couldn't go home unhappy. Saddened, yes, but not unhappy.

Given the lengths the Wiarton organizers went to, though, I'm surprised at one thing they didn't try: stuffing the corpse with Viagra™. (Why? What better way to get their Willie up and about?)

The Importance of a Well-Stocked Kitchen

Budapest, Hungary (*m*NFP): An elderly woman is enjoying her new-found mobility and is now able to move freely within her house.

Why couldn't she move around before? Because she had accidentally locked herself in her pantry.

For a month.

The 71-year-old woman, who lived alone, survived for the month on tomato juice and canned fruits. She was rescued when her neighbours, after not seeing her for a month, contacted police.

So why did her neighbours take a month to notice her absence? Maybe they thought she was working on a fourth-year CS assignment.

So Is Pepsi the Choice of an Illiterate Generation?

New York, NY (*m*NFP): It's bad enough that the soft drink giant Coca-Cola has been providing schools with various educational resources in return for a lock on that school's carbonated beverage selection; at least that's helping to replace funds diverted from education by cash-strapped governments.

But now this week, Coca-Cola has started a new promotion: a booklet containing excerpts from a new work by a popular writer will be attached to 12- and 24-packs of Diet Coke™. Writers being distributed include Barbara Taylor Bradford, Elmore Leonard, and that Chicken Soup for the Soul guy.

Coke plans to distribute over 40 million of these packages and are sponsoring in conjunction with it a creative writing contest, where entrants are to write a 500-word essay on "Living Life to the Fullest". (Can't you just picture Hemingway eschewing his wine for a can of Caffeine-Free Diet Coke™?)

What's next? I'm predicting Diet Coke™ versions of classics of English literature. Moby Coke. The Pause that Refreshes in the Rye. The Scarlet-Lettered Can. The Old Man and the Sea-Oh-Kay-Eee.

But hey, at least it's not the Spice Girls.

Ads for Couch Pet-atoes

London, UK (*m*NFP): Advertisers have long targeted consumers who do not buy products themselves. Saturday-morning toy ads, in particular, rely on young children to make their wishes for a product known to parents, who are then presumably browbeaten in purchasing it just to shut the kid up.

Now couple this with the fact that there is an increasing number of childless couples and individuals out there who dote on their pets as if they were children. And what's the logical — or illogical — conclusion?

Sure enough, the cat food maker Whiskas has launched a TV commercial in the UK which it says is the first one to go over the heads of pet owners and speak directly to their ultimate purveyors.

The 40-second ad features cat-friendly pictures of fish, mice, birds, and a ball of string set against a soundtrack of meows, tweets, and mousy squeaks. A 10-second pre-ad spot will urge owners to get their cats stationed in front of the TV set. The ad, which cost 500 000 pounds (about $1.2 million Cdn), was shown during one of Britain's top-rated soap operas. An estimated seven million cats were watching.

Advertisers hope the sight of their pets glued to the screen (figuratively speaking) will get owners heading for the shops.

If the ad is a success, I wonder if we'll see the premier location for the debut of new ads shift from the Super Bowl to the supper bowl…

Mike "Hammer" Hammond
West Coast Correspondent
B.C. *math***NEWS** Hall
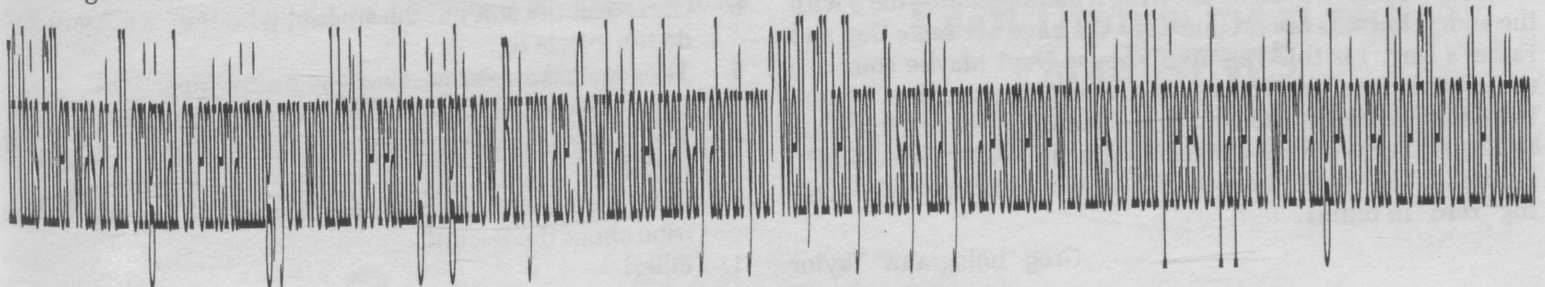
Cynic's Corner

Love Affair

So, once again you turn to my column, seeking a diversion from the monotony of your everyday classes? Well, I'll try to provide. This time the subject of choice is one of those semi-controversial topics, love. More specifically, the stupidity of Valentine's Day. Stay with me here.

First, let us examine this day from the point of view of someone who is not in a relationship. In a word: sucks. February 14th is a not-so-gentle reminder that you are unattached, unwanted and unloved. (An exaggeration of course, but one could feel like that.) Or say you had a relationship in the past but are currently single. Now the day serves as a recollection of how "happy" you were then, how alone you are now, and may bring back memories of whatever problems occurred to make you single. You are now left holding back the urge to strangle the guy/girl that your former love is now dating or crying into your beer/milk/friend's lap wondering "Where did I go wrong?" or "Why did I ever leave so-and-so?" Conclusion: For the unattached person, Valentine's Day is basically your chance to count the number of ceiling tiles in the computer labs.

But people who are currently going out with someone have no troubles with the 14th, right? But wait, what about the necessary purchase of gifts and other commercialized items that get shoved down our throats? Do you go with cards, flowers, chocolate…? Hopefully you've got some money saved up, because for goodness sakes, you'd better demonstrate your affection somehow, and you'd better do it right! And even if you're not materialistic, there's still the element of time. Time spent with your loved one, meaning there may now be no chance to study for that midterm on Wednesday (no full week off, remember?). And unlike any other day when you might be able to say "Can we talk later?", this is the Day of Love and if you're not displaying admiration there will be elements of guilt attached at the very least! Conclusion: The day may be good for some, but it's still no picnic.

It's not like we even get this day off of work/school or anything either. We usually have to wander around, listening to the sad stories of distraught people, feeling sorry for the lonely ones counting the ceiling tiles, and watching public displays of affection get out of hand. (As if there isn't enough of that in the math building already; though I never seem to see it myself.) Meanwhile, young children get traumatized when they don't receive valentines at school (or possibly get traumatized because they do). Discussions come up about how "anyone who doesn't date isn't trying" and other sweeping generalizations… and bitterness reigns overall. Except in the florist shops where they're counting all their cash.

Love is one of those damned if you do, damned if you don't situations, pros and cons all over the place. There are no instruction manuals or rulebooks; so why a Valentine's Day to make things even more complex? For that matter, if you love someone, shouldn't you be showing it all the time? What's with the added importance on one day? We have Mother's Day and Father's Day… is this Potential-Spouse Day? Maybe someone can explain it to me. Though if you want my opinion, I think there may be benefits to simply abolishing love overall. If only that could happen without causing any problems in the world… but alas, if love were gone, then there would be no way of scoring "zero" in tennis.

Greg "hologrami" Taylor

Socially Acceptable

Do you ever forget to get dressed in the morning? Wouldn't it be nice if you weren't the only one in class wearing PJ's and fuzzy slippers? This Thursday, February 18th your troubles are over! There's an all-ages pyjama party at the Bomber! So don your favourite pair of jammies and get your ass down there! You could even win prizes just for showing up! Show up in the best costume, and do a little dance for the best boogie contest. (Showing up partially or fully naked will adversely affect your status with the both the law and the staff of the Bomber.) Pyjamas are not mandatory but your friends may shun you if you don't wear them.

Speaking of pyjamas, there's a badminton tournament (to which you should probably not wear pyjamas) coming up on Saturday, February 27th, from 9:00am to 2:00pm. You don't need to be an expert. You don't even need to have your own badminton racquet. There are three singles divisions (beginner, intermediate and advanced), as well as two doubles divisions (open and co-ed). So sign up, or uh your friends will shun you. Yeah, we already used that line, but we think it's pretty cool, so we're using it again.

In other news, there's some sort of funky dating game happening on March 2nd in the Comfy Lounge. There will be many attractive mathies participating. So if you'd like to watch the show, you'll want be at the aforesaid location at 7:00 pm on the aforesaid date. If you'd like a piece of the action (i.e.: A shot at getting a date), you'll want to sign up. E-mail dlprice@undergrad.math and let her know. Winners get a certificate for an all-expenses paid dinner at some local place, as yet undetermined. If you win, however, you'll have to come back to the Comfy on March 16th to let all of us gossip-mongers know how the date went.

Well, that's it and that's all from Sunshine and Texas Mike for this issue. Be sure to check in next issue for more info. Same bat time, same bat channel.

Laurie "Sunshine" Knox, VPAS
Texas Mike O'Shea, Movie Guy

Top Ten Reasons Why Chris Buchanan Appeared In An Article About University Students In The Kitchener-Waterloo Record

10. He was the only student around on Christmas Day.
9. There was extra money lying around in the FEDS Bribery account.
8. The reporter thought that Chris was underexposed in the media.
7. The reporter slipped, hit her head, and Chris came running to give her mouth-to-mouth.
6. Chris beat the shit out the student who they were going to do the article on.
5. They looked for the goofiest guy on campus.
4. Chris threatened to cancel his Record subscription.
3. There aren't enough newsworthy things happening in K-W that day.
2. Chris threatened to write an ignorant foul-mouthed diatribe about the Record.
1. Filler!

Cooking with mathNEWS

Macaroni and Cheese

Welcome to this first instalment of "Cooking with *math*NEWS", a column featuring original, unorthodox, and otherwise weird culinary experiments from the kitchen of yours truly. If it's in a recipe book, you won't find it here—probably—it's often hard to outweird people these days.

This issue's feature is macaroni and cheese. More specifically, I refer to the stuff that comes in a box, whose 8.5 x 3.5 x 18 cm size appears to have been standardized across the industry. Much maligned and denigrated as the food of the low-income earner and the gastronomically incompetent, "KD", as it is often called—regardless of brand—is a cornerstone of many a student's diet. It is also a quick, convenient, and tasty meal enjoyed by many people across a wide cross-section of this country's population; did you know that Canadians purchase significantly more macaroni and cheese per capita than Americans? Indeed, KD is the lowest common denominator of most Canadian diets, savoured by young and old, rich and poor alike.

While macaroni and cheese is delicious as-is, "out of the box," this fact has not stopped many, myself included, from making their own improvements. Ketchup is a common garnishing, but its addition hardly makes a recipe. In this instalment I present to you four recipes that are sure to please the most diverse palates. Without further ado, off to the kitchen…

Indian-style Macaroni and Cheese

Here's a dish you won't find at Veejay's. You'll need:

- one package of white cheddar macaroni and cheese

- 2-4 tablespoons of curry powder

Prepare the macaroni and cheese as indicated. Stir in curry powder, to taste. Makes a good side dish beside chicken, beef or vegetables cooked Indian-style, or great all by itself.

Note the use of white cheddar flavour of macaroni and cheese. While the regular, fluorescent-orange variety is tasty, white cheddar macaroni has a more delicate flavour that lends itself more readily to the addition of various ingredients.

Mexican-style Macaroni and Cheese

True, you won't even find it at a fine Mexican restaurant such as Taco Bell, but at least it doesn't come out of a tube. Ingredients are:

- one package of white cheddar macaroni and cheese

- 2-4 tablespoons of chili powder

Prepare the macaroni and cheese as indicated. Stir in chili powder, to taste. I've only ever had this on its own, but I'd be interested to find out what would happen if you used this to fill a burrito…

Macaroni and Cheese au saumon fumé

KD for the culturally refined. Obviously, the inclusion of smoked salmon raises the cost of a normally-inexpensive dish, but I say it's well worth it. Ingredients:

- one package of white cheddar macaroni and cheese

- 50-75 grams smoked salmon

Prepare the macaroni and cheese as indicated. Dice the smoked salmon into small bits, and stir into the noodle and sauce.

I like to add a bit of fresh ground black pepper to spice this dish up a little, but not too much—smoked salmon has a delicate flavour that is easily overwhelmed. Conceivably this dish could be combined with one of the previous recipes, but even I will only go so far in my kitchen experiments.

Vegan Macaroni and Cheese

Regular, non-jazzed-up macaroni and cheese is compatible with the vegetarian diet, but what to do if you're a vegan? (Note the lowercase "v"; inhabitants of the star system of Vega are apparently avid carnivores.) According to the ingredient list of the macaroni and cheese package I have on hand, the cheese sauce mix, however artificial, does contain some animal products, notably cheese; *quelle surprise*. Fear not! Below is a recipe that allows even those herbivore purists amongst us to experience the joys of KD. You'll need:

- one package of macaroni and cheese

Prepare the macaroni and cheese as indicated, with the following alterations to the cooking instructions:

- omit butter;

- omit milk;

- omit cheese sauce mix.

Okay, maybe not.

In Conclusion…

Macaroni and cheese, though wholesome and yummy in its unmodified form, provides a great medium upon which one can unleash one's culinary creativity with generally positive results. So, next time you rip open that box, let your imagination fly—you may just live to enjoy the experience.

That's all for this issue's instalment of "Cooking with *math*NEWS". Watch for next issue's column, when we'll explore the unexpected joys of leftover haggis. Stay tuned…

Viêt-Tâm Luu
*math*NEWS Culinary Consultant

Cleaning up after your delicious Kraft Dinner meal with mathNEWS

Take plate, fork, leftover Kraft Dinner, pot, spoon, leftover ingredients, empty box, empty cheese packet, tablecloth, extra milk, and toss them out. Throw up for good measure.

Spermatikos Logos #3

Good evening my friends. Well… here I am again with your new puzzle. I was a bit disappointed to see that only 11 people submitted solutions. Don't you like my fantastic prizes? Anyways, next time submit or you won't have a chance to win them. And I'll come over and beat you up. Of the solutions submitted, I picked one of them and unfortunately it was correct so I have to give away the prize. Congratulations to Robert Page who has won the fabulous prize of a C&D gift certificate. Come over to the MathSoc office to claim your prize at some time in the near future.

Just for handy reference the correct solutions wuz:

> Zabby played 4 cards with the yellow blotter,
> winning the happy meal.
> Gazelle played 7 cards with the blue blotter,
> winning the turquoise pen.
> Old Man played 8 cards with the purple blotter,
> winning the card shuffler.
> Nick played 12 cards with the red blotter,
> winning the engraved lighter.

Having put that aside… I have arranged another nasty horrible problem for you to solve. Remember, I know where you live ;)

Once again in this magical land, there was an arcade that was "coincidentally" also called the Cave. Anyways, after winning so much at bingo, our fine four friends decided to go spend a whole bunch of money playing video games. Unfortunately, they needed 6 people to arrange a party, so they grabbed a few more of their friends. So they grabbed the neighbours that lived in between them. This magical land was a bit odd in the directions the streets are laid in. The streets are triangular… so houses are oddly placed. In particular, these 6 friends live in a triangle as shown in case you get confused:

```
        1
       / \
      2   3
     /     \
    4 - 5 - 6
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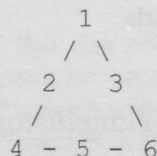
When the six friends returned home, they were so excited over the prizes they had won, that their mothers could not get a straight fact out of them. What they learned was:

1. D-Boy and the person who lived diametrically across from him (eg, 2-6 are diametrically across from each other) conspired together to steal the camera from the guy who lived diametrically across from the person who won the rattlesnake eggs.
2. The Old Man took such a fright from seeing the horrid monkey head on the person who won the prize that he would have hit his head after passing out, but luckily the girl who won the Tootsie Roll managed to catch him.
3. Although Nick managed to win more tickets (to get prizes) than the person playing Aftershock, he gave most of his tickets, allowing one of his next door neighbours to get a monkey head.

4. The person who lives in house 2 knew only the person who lived on his street and was therefore very shy when the person who played gopher bonk began hitting on him.
5. Zabby watched in amazement when the person who won the ring helped the person who lived diametrically across from her get a straight flush.
6. The person playing Gater Bash was upset at the Old Man because he wouldn't give her any more tickets to get a better prize.
7. The person playing Skeeball and the person playing Aftershock met in the middle house and managed to win the monkey head in a friendly game of poker. One of them provided the chips, which in this case happened to be 300 glow in the dark bugs.
8. The person playing Rock and Bowl managed to strike it up with 100 tickets which was stolen by the person who lived in house 6. These tickets were stolen again by the person who played Poker Roll, and then a fight began between the person playing Poker Roll and Giggles over the missing tickets while their mutual streetmate giggled like a girly girl.

Well… I think that's all for now… Submit all of the information: Where everyone lives, what they won, what they played and their names to *math*NEWS (in the MathSoc Office), the BLACK box, or to me: bkchun@undergrad.math.uwaterloo.ca. Please submit… I know where you live.

<div align="right">Byung Chun</div>

*grid*COMMENTS

Well, here's another exciting surprise for all of you lonely, bitter people who'll have nothing to do on Sunday. It's, um, well, a GridWord. Um, yeah. You've seen it before. But please submit your solutions. Every time you submit a solution, an angel gets its wings! A Cryptic solution, that is; ignore the pathetic attempts at a Conventional GridWord foisted off on us by that peon Donny.

Dave Bailey & Claude Lepage submitted a solution together. Ian "The Word Guy" Facey showed his facey again. And Darren Redfern has also returned to us. All three solutions were completely correct. The bastards! From now on I think I'll put one wrong clue on every GridWord, just to keep you guessing!

Oh, right, I have to pick one of them to receive our fabulous, fabulous (insert fabulous prize here) prize. (Yes, those lazy editors STILL haven't decided what it is) I wanted to put them all in a centrifuge and then just give the resultant blobby mass of flesh something; that way they ALL could win. But our lawyers say I should probably just flip a coin instead. So I semi-randomly pick Dave & Claude as the lucky winners. Congrats!

Just as a thank-you for all the support you wonderful people provide me, I think I'll mention a few memorable comments I've received from fans across the campus: "What cryptic?", "What's a cryptic?", "What's *math*NEWS?", "Buh?", "Aren't you the guy from Revenge of the Nerds? I love that movie!". It's good to be appreciated! Later!

Derek Kisman

Congratulations to Ian "The Word Guy" Facey who submitted the only correct solution to the Conventional GridWord. I'm sure that by the time you come for your prize our editors will have one (ha!). Does this mean that the Conventional GridWord is more challenging than that other GridWord (whose details I cannot recall at this moment)? Well, I think this one should be easier, but if I am the victim of really bad judgement, "really close" solutions will be considered for the random draw. I hope this encourages those of you who almost get the whole puzzle to submit anyways. Remember, kids, the key is to have fun, so don't go off hurtin' each other now.

P.S. Derek thinks this one's harder. Shows ya what he knows…

Donny Cheung
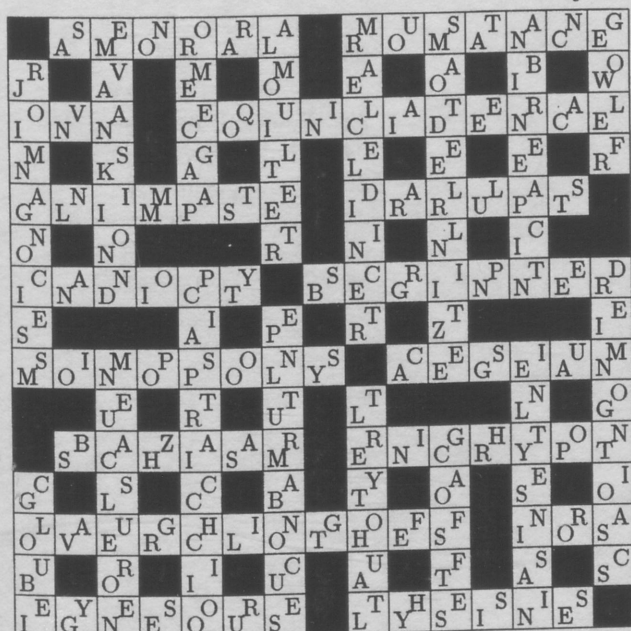
*math*NEWSquiz #3

When Will The Hurting Stop?

How are you doing, folks? We (well, I) have been experiencing technical difficulties with both the undergrad system and my courses, so our solutions for last issue and the winners from last issue's squiz are not available at this time. We received submissions from the Royal Recreational Lemming Society of Canada and Live from Vancouver … Hammer! The results from last issue will be available next issue.

We **do**, however, have our questions for this issue. Here they are!

Song Lyrics

Each title is worth one point, each artist is worth one point, and there's one point for general theme.

1. "Soul on a roll but you treat it like soap on a rope
   'Cuz the beats and the lines are so dope"
2. "Messing with me, you're messing with the best
   Blam! You're taking two shots to the chest"
3. "It's like a disease that plagues their character
   Taking the women of America"
4. "Now I'm kickin' tha' block, 'cause my bigger brothers locked down
   I'm hot now, so many punk police have got shot down"
5. "People can't understand my situation
   Now they're caught up in a Soul Assassination"

Chicago

1. How many years has it been since the Chicago Cubs last won the World Series?
2. Which member of the A-Team was born in Chicago?
3. What were five members of the Chicago seven found guilty of in 1968?
4. Name the man who wrote "Chicago" and originally staged the play.
5. In what year was Chicago incorporated as a city?

Trouble and Strife

1. Catherine of Aragon gave Henry VIII a daughter. Name her.
2. Name the wife Odin/Wotan in Norse mythology.
3. From what country does King Hussein come?
4. Who were the parents of John Fitzgerald Kennedy?
5. What is the traditional gift for a couple's thirteenth anniversary?

Relativity?

1. Who is Emilio Estevez' father?
2. Who played the bride in the original "Father of the Bride"?
3. Name the two brothers who have been Dean of Mathematics of the University of Waterloo.
4. What is the last name of most of the members of the musically-inclined family comprising the band, "Clannad"?
5. Who is often called the "Father of Relativity"?

Good luck everybody! Remember, you can submit either by emailing scepollo@undergrad.math.uwaterloo.ca or by putting your answers on a sheet of paper and dropping it into the Black Box across from the Comfy Lounge in MC. Remember, you can win valuable prizes, but only if you submit!

John "The Pseudo-Expert" Swan
"Dithco Thtoo" Pollock

GRIDWORD

Grid Clues (Cryptic)

Across

1. This Sunday: a good time for a massacre? (10,3)
8. Slender flame's emanation (5)
9. Quiet floor decoration is a sign of indifference (5)
10. Bam! Rotated a degree (3)
12. A mark of the classics - but eroded, in retrospect (3)
13. Stops up by sculptured rocks (5)
15. Bury 'im for the meantime (7)
17. Ben carries a small seed (4)
18. Dotty rows about Russian leader returning (6)
20. Daring time to ship (7)
22. The price of correspondence: mad Gestapo (7)
25. Count out loud our five windows to the world? (6)
27. Overturn vote! (4)
29. Doctor Igor, aim for a paper-folding process (7)
30. Altogether steep (5)
32. Pious woman in underground hideaway (3)
33. Without it, set call for recompense (3)
35. Staffed without Western religion (5)
36. Float, drifting, in the air (5)
37. Code breaking is a grave study (13)
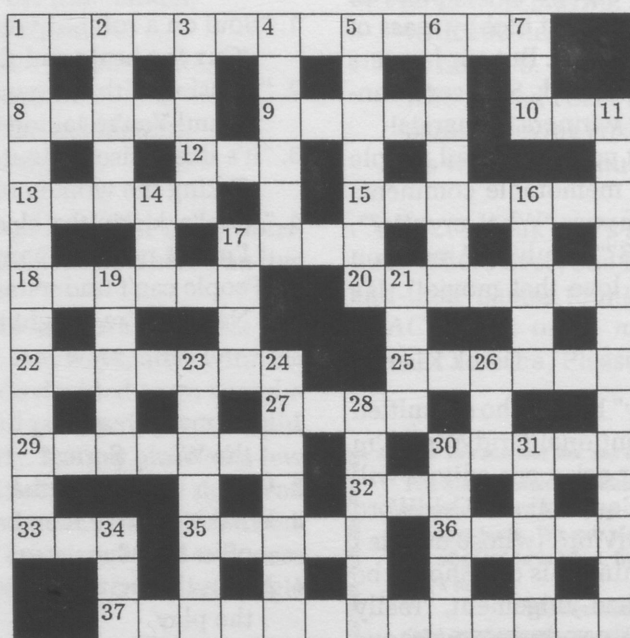
Down

1. Random, visceral troop of hunters - that may open a door for you? (13)
2. Beer, fit for a king, is served up (5)
3. Steno erratically scribbles (5)
4. Absurd blend of sienna (6)
5. Making a wish; head off (7)
6. Appreciate it: a large data format (7)
7. Root for mounting might (3)
11. Ministers ordain art evil? I doctor a reversal (13)
14. Implement box for young cat (3)
16. Interprets, for the audience, the woodwinds (5)
17. Dress up to express one's vanity (4)
19. Ordered us his Japanese entree (5)
21. It's all quite audible, too (4)
23. Curve interrupts any kind of chaos (7)
24. Distinct identity based in circumstance (7)
26. Solo, the pilot rises? No way (3)
28. Some often donate muscle-related tissue (6)
30. Jungle bark (5)
31. Excellent bowls for cooking furry critters (5)
34. Spew endlessly, and so on (3)

Grid Clues (Conventional)

Across

1. Kissing disease (13)
8. Round bacteria (5)
9. Bird of prey (5)
10. Snake type (3)
12. Perceive (3)
13. Tusk matter (5)
15. Israeli city (3,4)
17. High partner: advanced (4)
18. Suitcase (6)
20. North African (7)
22. Football position (7)
25. Bahaman Port (6)
27. Surjective (4)
29. Odysseus, e.g. (7)
30. Supermarket passageway (5)
32. Tavern (3)
33. Eccentric (3)
35. Disturbed (5)
36. Small donkey (5)
37. Sinatra song (13)

Down

1. Follower of *The Prince* (13)
2. Tortilla, with melted cheese (5)
3. Loud (5)
4. Photo phrase (6)
5. Octaves (7)
6. The art of furtive movement (7)
7. Cry (3)
11. Daring (13)
14. Louis XVI, e.g. (3)
16. Disease cause (5)
17. Trillion prefix (4)
19. Noon meal (5)
21. A., of A. D. (4)
23. Macbeth nemesis (7)
24. Abstainer of drugs (7)
26. Snow glider (3)
28. Method of 6 Down (6)
30. Monastery head (5)
31. Cancel (5)
34. Greek letter (3)