photo courtesy Daily Bulletin

photo courtesy perki

Ralph Stanton
1923-2010

Above: Dr. Ralph Stanton, founder of the Faculty of Mathematics and the man behind the pink tie, passed away on April 21st at St. Boniface Hospital in Winnipeg due to cardiac arrest. He was 86 years of age. **Left:** Pinky (centre) joins math students saluting in his honour.

Rest In Peace

*look*AHEAD

UK Has New Coalition Gov't

Voters elect first hung parliament in 35 years

Citizens of the UK went to the polls last week, but did not give anyone the immediate right to govern.

Gordon Brown's Labour party, which had a majority of 52 seats when parliament was dissolved, was reduced to second place. David Cameron's Conservative party took the most seats, but finished 20 seats short of a majority.

Liberal Democrat leader Nick Clegg had a disappointing night, losing 6 seats in the Commons despite a strong showing at the debates. However, his party had to ultimately decide which party will form the next government.

Cameron and Clegg formed a coalition government on Tuesday, with Cameron as Prime Minister and Clegg as Deputy PM.

InsidED

Up to No Good (as usual): InsidED, GroovyED and CorruptED

*mast*HEAD

Three cheers for surrealism! Hip! Hip! Walrus!

Howdy concerned readers!

I'm back! And this time, I'm not an editor! (It's true. Work terms are so cruel.) But that begs the question, why are we here? Are we on workterms, but living close enough to the University that we feel obliged to babble verbosely for a newsletter? Are we desperately trying to finish a course we failed horribly in the winter? Or are we here for the plain and simple reason that our parents don't love us anymore? Well, yours at least.

*math*NEWS writers are often characterized by their social inadequacy, but more distinctively by the brooding noir humour that can only be the result of years of parental neglect. And *math*NEWS feeds off of this internalized self-loathing and gives them an outlet, an escape from the cruel, Kafkaesque world we call early adulthood. It has even been conjectured that the high crime rates throughout much of the world could in fact be blamed on their absense of *math*NEWS and the larger internet presence of the Imprint.

Read our next issue! It just might detail my plan to use hatred as a cheap, renewable energy source!

The *mast*HEAD question is: Other than years of parental neglect, why are you mad?

image (I'm not mad. That's what they all say. But one day, I'll show you all who's mad…), InsidED (I'm in software! What do you expect?), snippet (I had to code in Java today), The Actuary (Not enough dead people), import this (My GF won't use birth control), Megaton Panda (Running out of non-specialized ingredient when cooking, i.e. salt), perki (The rice is full of evil), CorruptED (I'm not mad, you're mad! You're all mad! *gets carried away by men in white coats*), Lich (Running out of a specialized ingredient when cooking, i.e. MSG), The Management (Can you crack my CODE?), CODE: e <<access denied>> (I like apples), GroovyED (CorruptED doesn't corrupt people)

Impulse Vector, not ImpulsED

"Mad as in insane? Well, that 'cause of the lobotomy!"

Midnight Capture the Flag

Now Hiring!

Yes, you read it right. The Management was sacked (repeatedly) in the final *math*NEWS issue of last term and even the new writer assigned to let you know that had to be sacked too: something rediculous about a moose and a sister and some subheadings.

Anyway, back to business, and the heightening of the confusion of everyone interested in what I have to say. As The Management does not exist, there really won't be a game of capture the flag at midnight. MCTF will not occur on a Sunday night at midnight in the MC. Most importantly, and most certainly, a person seeking to take up the mantle of The Management will not start asking around or talking to people who may or may not have participated in such an event in the past in his or her quest to locate the flags and recruit participants for future non-events.

Then again, hey, who knows? Maybe such a non-event could spontaneously occur just like they certainly haven't in the past.

Not The Management

photo courtesy Peter Ponzo

Ralph Stanton Dies at 86

Math Faculty Mourns The Passing of a Tie-tan

*math*NEWS regrets to inform our readers that Ralph Stanton, founder of the University of Waterloo's Faculty of Mathematics and Honourary Doctor of Mathematics from the same, has passed away at the age of 86.

In 1957, Stanton became the head of the Department of Mathematics at the recently-established University of Waterloo, leaving the University of Toronto. In 1960, the Faculty of Arts was established, with the Department of Mathematics its largest. Stanton, however, dreamed of creating a distinct Faculty for Mathematics, and on July 1, 1967, his dream was realised. To this day, he (and his habit of wearing gaudy ties) is honoured through the Faculty's unofficial mascot, the pink tie.

The same year, Ralph Stanton left the University of Waterloo for York University, where he spent three years before moving to the University of Manitoba. He headed the Department of Computer Science there for several years, and he continued to research and teach there until he announced his retirement in April of this year.

On April 21, Ralph Stanton died of cardiac arrest at the St. Boniface Hospital in Winnipeg. However, he lives on, and always will, in the hearts and the minds of the students and faculty of the Math Faculty he was instrumental in creating.

—image

Prez Sez

Ooooh, my first ever 'Prez Sez.' I'm giddy all over, tingling with excitement. You should see me typing this, I can't even hit the right keys. This is my third try at typing this sentence. Alas.

For those of you who don't know me, I am your President. For those of you who do know me, thank you for the flowers.

After a contentious election last Fall, you're all stuck with me. Or, as it's been described by some kind folks, welcome to 'the reign of terror', 'the end of days' or, my personal favourite: 2012. But rest assured, this will be nothing like a John Cusack vehicle.

The exec team is working hard to get the Society in functioning order to better serve your needs. We're working on events, cleaning up the books, taking names and kicking asses.

However, we can't forget why we're here. We're here to represent you. We're here to serve you. And we can't do that without you. Without your voices. Without your opinions.

Be heard. Get involved. Let's make this a memorable term.

Swing by the MathSoc Office sometime; we'd love to meet you.

Kenny Kou
MathSoc President S2010
`prez@mathsoc.uwaterloo.ca`

VPF Sez

Welcome to SPRING 2010!

Hello beautiful people! My name's Kumar, your Spring 2010 MathSoc VPF. There are lots of things happening this term in regards to our finances and businesses.

The CnD is open Monday-Friday for business. They are running on summer business hours. With it being summer, we got some new products on our shelves. Beat the heat with our radical new slushies offered at the CnD for only $1.00. We also now sell hot dogs. Need catering? The CnD catering at low prices daily for your club, committee or student organization as well! Contact Rita or Sara in the CnD for your catering needs.

Mathletics and refund forms are available outside the MathSoc office.

If you are apart of a MathSoc club, our budget meeting will be on the third week of May. The exact date is still TBA.

Lots more to come! Drop by my office in MC3039 if you have any ideas, concerns or just want to chat over some coffee with me… Please come… I get lonely sometimes.

Prashant Kumar Patel
Vice President Finance, Mathematics Society
`vpf@mathsoc.uwaterloo.ca`

VPAS Sez

Hi my friendly neighborhood MCers

It is your Vice President of Activities and Services writing here. This term is going to be very exciting with a lot of events being planned. But be sure to email me any ideas or suggestions if you have one so I can try to make it happen.

Lockers are now available for sign-up at `mathsoc.uwaterloo.ca`. We are also looking for volunteers who are eager to help out in the MathSoc office. Talk to one of our friendly staff to learn more about how you can help out.

If you need to bind your work report, staple your assignment, or just socialize, be sure to drop by in the Mathematics Society in MC 3038.

That's all for now, and P.S. come save me from the exec office because Kumar is scaring me!!!

Joycelin I. Karel
VPAS Spring 2010
`vpas@mathsoc.uwaterloo.ca`

VPA Sez

Hello wonderful mathies!

I am your Vice President of Awesome (or Academic... I forget) for this spring term of 2010. I am responsible for anything and everything in MathSoc academically (and no that doesn't just mean the exam bank, though I am responsible for that too).

Some things that I have done and will be continuing to do this term:

- UAPC (Undergraduate Academic Plans Committee): work with profs and other individuals in improving future major plans for students. Currently looking into the possibility of adding CS343 to the core courses in the CS major plan before CS350.
- CEC (Co-operative Education Council): working with other society execs and CECS personnel to improve the co-op experience for students.
- FedS (Federation of Students): working with FedS exec and councilors to address any issues that may arise with involvement with MathSoc. The first meeting was mainly filling committee seats. I'm the CRO for FedS this upcoming term ;)

Some other things that I will be doing this term:

- Senate Undergraduate Council: Not sure what I'll be doing there yet. I'll keep you posted.
- Lunch with the Dean: I'm excited for this :D. I've already met him once before and he seemed like a really nice guy. I can't wait to have a chance to poke at his mind for what he has planned.
- Exam Bank: I will be working extensively to update this. The reason it hasn't been updated for a while is because there were plans to automated so that profs submit it directly but seeing as that is going nowhere fast I will be creating incentives for you, the students, to submit any midterms and or finals that you have that aren't already posted online. These are most likely going to be in the form of CnD gift cards or novelty items gift cards. So start rounding up those exams and stay posted for updates on that.

And now for some non-VPA related stuff that I have been up too. I've been working with Kumar (the VPF) to improve CnD by doing things like fixing the Slushie Machine working!!! :D

So stay posted because this will be happening this Summer!

Andre Magalhaes
VP Academic, Math Society
vpa@mathsoc.uwaterloo.ca

What do you want to see in *math*NEWS?

It really is your paper, after all.

Did you know that $3 of your MathSoc fee goes to fund *math*NEWS? That, in my opinion, makes this your paper as much as mine (or anyone else who works here).

Do you like what you see? Do you think we should be doing anything different? We want to know! Send us your feedback at mathnews@student.math.uwaterloo.ca.

InsidED

Computer Science Club

CSC Flash

Gerald Jay Sussman - May 25th and May 26th
Is coming to UW to give a series of talks. Stay tuned to csclub.uwaterloo.ca to check locations.

AI Contest
Again our members are hard at work developing the next AI contest. Don't be scared to join! We try our best to make it easy to start and fun to keep participating.

Memberships
Not a member? No problem, come on down to our office to find out what we can do for you. For current members please remember that it is most likely time to renew your memberships.

Professor and Member Talks
Send professor suggestions to progcom@csclub.uwaterloo.ca, or even better if you want to give a talk about Computer Science send an abstract! Remember to keep your eyes peeled for posters and stay glued to the website.

Calum T. Dalek

What Is Politically Correct?

Hot Dates

PC: Non-competitive Scrabble.
Not PC: Sex.

PC: Bicycling with helmets.
Not PC: Riding a Harley while drunk.

Workspace

PC: African studies professor.
Not PC: White male professor.

PC: Wildlife photographer.
Not PC: Hustler photographer.

Movie Tone

PC: She's Gotta Have It.
Not PC: Deep Throat.

A La Carte

PC: Evian water.
Not PC: Jack Daniel's.

PC: Veggie burger.
Not PC: Environmentalist, well done.

Bumper Shtick

PC: Mothers Against Drunk Drivers.
Not PC: I may be slow, but I'm shitfaced.

PC: Women make great leaders: you're following one now.
Not PC: I ♥ my Oriental wife.

News from Off Campus

I am back with the latest off-campus news stories that may interest you. If you see anything you think is worth mentioning, send me a tweet @mN_InsideR.

Fire Destroys Campus Court

A major fire in one of the buildings of the Campus Court Plaza destroyed several businesses last month, causing nearly $2 million in damage.

The plaza, located just east of UW, contained such businesses as the Tabu Nightclub, Mel's Diner, and Sugar Mountain, businesses that were frequented by many students and employed around 100 people. The call came in on April 22nd at 5:30am, but by then there was little that could have been done to save it.

Jerry Smith, the owner of Mel's, says it will take between 8 and 12 months to get his restaurant back up and running. This is largely because the original building design does not meet updated building codes, and so additional time will be required before shovels can hit the ground.

The fire reportedly started in the DJ booth in Tabu, and spread quickly once it got into the common roof. A firewall installed at Ceasar Martini's was successful in preventing the fire from destroying that business, but it remains closed due to smoke and water damage. Fire officials also said that a sprinkler system, which was not legally required in that style of building, would have been able to quickly contain the fire.

The cause of the fire has not been released.

Former UW Provost High on Sunshine List

Amit Chakma, the former VP Academic and Provost, earned just under $1 million last year, according to the Ontario government's annual $100k+ earner's list. This is more than double what he earned in the position in 2008.

Chakma, who left the position last year to become president at UWO in London, reportedly received over $500,000 from UW last year as he was leaving his job. The extra cash is reportedly a payout for untaken administrative and sabbatical leave.

GRT to Spend $2.4M on Announcement System

The Region of Waterloo approved $2.4 million to be spent on a stop announcement system, similar to that used on the iXpress. This comes after the Ontario Human Rights Commission told transit companies that they are required to announce bus stops when they reach them.

The system will use GPS technology to detect its location and make an announcement just before arriving at a stop. It will also will provide information to GRT about schedule reliability and ridership information.

GRT was originally planning something like this, using the iXpress as a pilot, but the OHRC has since told transit companies to provide announcements for users with audible and visual impairments.

Some would consider the alternative of having drivers manually announce stops along the route to be much cheaper. GRT tried that many years ago, but the program was abandoned after employees complained of strain to their voices and so-called "cognitive overload".

The system is expected to be in place on all tri-city buses by the fall.

InsideR
with files from CTV News, CP24 and Imprint

Call for Volunteers

The IOI (International Olympiad in Informatics) will be held from August 14-21 at the University of Waterloo. About 400 high school students from around the world will be on campus to compete in this computing competition. We are looking for volunteers to help us out with this event. This is an exciting opportunity to meet people from around the world and give a positive impression of UW, Waterloo, Ontario and Canada.

We are looking for enthusiastic volunteers who are fluent in another language in addition to English to help out as Guides. Each participating country will be matched with a Guide. Guides will get the unique and exciting opportunity to spend a week with contestants around the world and will attend activities and excursions (which are Canada's Wonderland and Niagara Falls) with the contestants. Public transportation, admissions to excursions and meals will be provided for IOI volunteers for the duration of the event.

Please visit `www.ioi2010.org` for more information. If you are interested in volunteering, please fill out the Volunteer Application Form and return it to Jen Nissen (`jnissen@uwaterloo.ca`) by Friday, May 28th. Preference will be given to early applicants.

ElseWhen

25 Years Ago in math*NEWS*

The cover of this *math*NEWS asks a very appropriate question: "What is this thing called *math*NEWS?" Well, we will answer that for you, as presented in Volume 38, Issue 1, published on May 10, 1985.

The Return of the Chevron: Imprint's predecessor, The Chevron, is apparently making a comeback this term:

```
mathNEWS is proud to welcome the Chevron back to
campus in its everlasting pursuit of truth and the
Marxist ideal. We expect that The Globe and Mail are
fairly shaking in their boots at the prospect of having
their capitalist decadence exposed. We are glad to once
again have material for our humour section, which has
suffered greatly in the past six [ten by my count]
months, lacking a butt to its pointed jokes. We are
also glad to have another humour paper on campus - the
Imprint, try though George might, was never able to
attain the heights of dialetcical nonsense reached by
the Chevracs, in their previous incarnations.
```

In Other News:
- Former Premier William Davis turns the sod on what is to become his namesake building.
- There was free cake and cheap pizza on Pink Day. The giant tie apparently made an appearance.
- The mWATCH is invented, showing the number of seconds to graduation and number of co-op interviews missed.
- A new take on the Bunny-Rabbit theorem.
- Someone contemplates on our binary lives. Paradox consumes his brain.
- FASS '86 is looking for people. Silly quiz makes them think they'll be good.

InsidED

FOC Sez

Math FOC would like to welcome you to Spring 20X!

At this time, all leader applications for Orientation Week 20X are now closed. We are emailing out our last wave of acceptances this week.
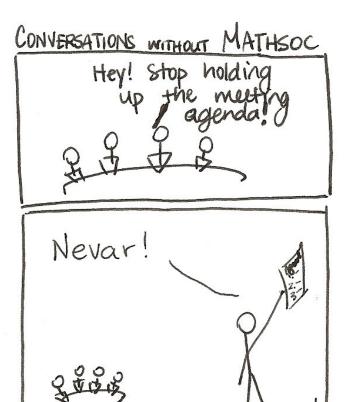
If you've been selected as a leader, please remember to do the following:

- Pay your leader fees in the Math Orientation Office (MC 3048)*
- Bring your first aid certificate to the Math Orientation Office (MC 3048)*
- Do your OLTs!
- Continue being awesome!

If at any time you have any questions, please do not hesitate to contact us.

* We will be posting office hours outside the door of our office.

Patrick, Julianne, Abhishek, Maria
Math Orientation Directors
University of Waterloo
orientat@math.uwaterloo.ca

CONVERSATIONS WITHOUT MATHSOC

Hey! Stop holding up the meeting agenda!

Nevar!

Did you know?

*math*NEWS *is on Twitter!*

Follow us @UWmathNEWS to keep up with our production schedule as well as to learn what's coming up in each issue.

Additionally, keep up to date with the latest news around the Faculty of Math with our very own InsideR. You can follow him @mN_InsideR.

MathCooks!

Well, Arts cooks, Math makes messes.

Wow, it's been a heck of a last two terms! Missed me? I debated changing the title of the article to ArtsCooks, but I was informed by the editor that my article wouldn't publish with such a name, so here I am, masquerading as a mathie! (Well, I'm a graduated mathie, but still!) Anywho, a new spring term means new opportunities! I was introduced to asparagus the other day, and it was a wonderful plant if cooked properly. Now that it's a new term, I urge you all to try something new! University is all about experimenting with food, especially if you no longer live at home! Your local supermarkets pack a whackload of ethnic foods as well as fresh in-season vegetables and foods for you to try out. Here are some suggestions!

Asparagus: These little shoots are apparently very easily steamed or sautéed with some oil and garlic and go wonderfully as a side to anything. On top of that, they look like tiny spears so you can totally whack your roommate with it while yelling "flacid vegetable pe-err spear!"

Berries: Summer is the season of all kinds of berries! Try them in everything! Toss a few in with a banana to make a smoothie, or saute some with sugar to make pie filling. Mmmm!

Fresh Corn: Going with the motif of largue girthy spears, ears of corn should be coming to season any time now. I was able to buy them at 10 for $3 at the local supermarket just yesterday. These delightful sticks of awesome can be boiled and served on the cob. Awesome! (Ok, their real peak is around July, but pfft)

Strawberries: Strawberries are coming into season in May, so you can expect to see a lot of them any time now. St. Jacobs Farmer's Market is pretty good for buying them en masse. (Strangely they are grown in the States; these local farmers are really getting good at outsourcing!)

Watermelons: Who doesn't love these things? I don't think I need to tell you how awesome these are! Summer is all about the melons!

On the side of trying something new, here's a few random things I found at my local supermarket that you may or may not have tried before:

Frozen Roti: These south asian flatbreads are incredibly flaky and delicious! Just toss them onto a frying pan and heat for a minute or two, and it will sure have you going back for seconds, trust me on this.

Canned Sardines: I admit, I have never tried these canned fishes until this term, and they were wonderful. Following roughly an Alton Brown recipe, just drain the oil onto some bread and toast it, smear the result with avacado and sardines and mash away. The result is an incredibly rich and creamy texture accentuated by the saltiness of the fish. It's also very nutritious!

Random asian instant noodles: I don't know why I had the urge to buy one, but I did and it tasted good! Always fun to experiment with new instant noodles, right? We **are** university students, after all.

In-season Panda

Why Grad House is awesome terrible and you should stay far away.

So first off, Grad House is not exclusive in the slightest. It's filled with plebes and rubes and you'll never be able to have a decent conversation. It also has only the most boring of beer for $20 a pint.

Now besides that, it's just a dank room that was once a bombshelter. It also is filled with skanks and fratboys, most of who who will fail out next term. Besides that, they should really have their licence taken away, as I've heard stories of 17 year olds not being checked for ID and being served a pitcher.

Finally, the service is absolutely terrible. The fries will take 15 minutes to make and then are absolutely terrible. Their spicy fries are okay I guess.

GroovyED

In case you can't tell, this article isn't about Grad House

Editor Search 2010!

Do you think that you have enough madness to be a *math*NEWS editor? Do you have a credit card/could get one by Winter 2011? Do you have a sense of humour that is better than all of the current editors? If so, the position of *math*NEWS editor in Winter 2011 may be the volunteer position for you!

You'll get to be belittled by writers, the CSC, the Dean and various other groups! You'll have absolute control over the layout and content of *math*NEWS as long as you don't offend the Dean's office. So start making friends with Ian Goulden now! (Try not to fail one of his midterms like this editor).

If you're interested in the position, come and write for *math*NEWS, the next production night will be on Tuesday, May 25th. If you're reliable and write for a while, and have delusions of grandeur and mad visions of power, check us out. You'll also get the dubious pleasure of working with GroovyED starting Spring 2012.

GroovyED

Sort of annoyed at my co-op sequence

*ultra*CLASSIFIEDS

WANTED: A toupée that will hide the fact that my roommate shaved my head when I was passed out drunk last weekend. I need it urgently at whatever price! Please call me if you have one!

FOR SALE: Compromising video of CorruptED doing unmentionable things. Best used for blackmailing. If interested, call 519-INSIDER.

FOR HIRE: A new editor. Must be willing to learn and put up with other editors and the CSC. Email if interested.

Everything you need to know about the CUMC

Nerds.

GroovyED

CUMC

Hey there everyone! It's your friendly pal Dylan here to tell you about the Canadian Undergraduate Mathematics Conference, or CUMC for short. You might have seen the posters up around the MC and various other places asking you if you think you enjoy (i.e., "like") math. Well, I'm going to take this opportunity to give you a bit more information about it in case you were interested, but haven't had time to check it out in more detail.

Basically, CUMC is a conference for undergraduate math students. It's being hosted at UW this year (it's hosted at a different university in Canada each year) and is going to be wicked amounts of fun. Students from universities all across Canada get together at said designated university to give talks (which is encouraged, but not required) and listen to talks, and mingle and hang out, and listen to keynote speakers (we have some pretty cool people lined up for this year) and go to banquets and there will be a dance and yeah! The CUMC is open to students from all manner of programs (Science, Engineering, Math I guess, etc.) and is open to all manner of years (in fact, the abstracts of the talks are required to mention any previous knowledge that's needed to understand it, and most talks end up being accessible to first-years!) This is a great chance to mingle with amazing people you would have practically no way of meeting otherwise, all together for a thing that we all enjoy and love. And the best thing about this is that it's all for fun. It really gives us as students a chance to look at math not from an academic perspective, but from a recreational perspective, which is where a lot of neat things are usually born from.

For a more personal touch to this article, I can tell you a bit about my experience at CUMC last year, when it was hosted at Carleton (in Bel-air ... er, I mean, Ottawa). I know you know I'm going to say that it was fun, so I'll just get that out of the way (but it was, totally fun). There were about 150 or so students from different universities (there were some people from Nova Scotia, a bunch from Quebec, some from BC, etc.) and there were a smack of talks each day that it ran. Every talk I went to was amazing, and it was neat seeing what other students were working on (and the range of topics was amazing: Physics, Economics, Graph Theory, Analysis, Card Shuffling, Music, etc.). I met some cool people who I still keep in touch with, and they gave some personal insight on their schools (which is convenient for those considering Grad School). At the end of the week, there was this banquet and dance on a boat cruise, where everyone danced and sang and they played "I'm On A Boat", like, three times.

Now, I can statistically guess what you're thinking: is there a cost to all of this? There is, alas, but for all that you get out of it it's quite a sweet deal. To register it's $90 CAD, but we (the CUMC team) have managed to swing a deal where the first 100 or so UW students get over half of the registration money compensated (so around $50 back). If you have a place you can stay here then all the better, but if you need accommodation, there is housing and meals provided for around $38/night (you'd be staying in a room in REV). This is an amazing price for everything you get, especially the accommodation costs, since it includes meals as well.

Well, hopefully I've piqued your curiosity a bit more about this event. It's running July 6 - 10, and there's more information (as well as a link to register) at `http://cumc.math.ca`. Hope to see you there!

Dylan from the 2010 CUMC Team

Letter to the Editor

Dear *math*NEWS:

F*** off with the real news. I can read real news on the Internet (or Imprint, but who am I kidding?) I expect you to publish false things. In case you are in need of even more filler, I have enclosed a picture of my penis.

Jesse Onland, 2B C&O

Dear Jesse:

I was asked for some real news on a number of occasions a couple terms back, and I thought it appropriate. Doesn't mean we won't publish false things. We'll do that as well (see right).

Long story short: if you don't like the real news, you can skip that section of the paper.

We won't include the attached picture, for your drawing is much too large to be even remotely accurate.

InsidED

*math*NEWS Office Wonders

So it's Tuesday night. I'm fairly out of ideas. So we're down to the old fallback: write about shit we find in the office.

The first item of note is a box of Vector cereal. It was left here from last term. I've noticed that it has an expiry date of December 18th. I believe this means that I should hide it away and see what remains once we're past that date. Since it's already open, I can assume that some hideous mould should begin growing on it all the quicker.

The next curious item is a sign that is upside down on the wall reading, "NO REALLY, DON'T PAVE ME OVER". Neither I nor InsidED have any idea where it came from. I assume it might have been used as a cover sometime recently but I would have no idea when.

Basically, there's a bunch of useless things laying about our office, which we should probably get rid of, but really we're all too lazy and have a tendency to be packrats. We may have some boxes to help you move things if you need help with things. Just let us know via the usual means.

GroovyED

Errors in C

Have you ever found your *errno* variable to be set while programming in C on any of our wonderful Unix boxes? Well, personally, I am sick of ERANGE and so, I have found some more creative error numbers.

ENODICE	Error in random function
EASYDOESIT	Hard coding encountered
eecummings	Case translation failed
EEK	Error in mouse co-ordinates
EHSILOP	Expression syntax error
EGODOT	Endless wait() attempted
EMAIL	You have new email
ENUMERATE	Non-partisan function attempted
EFLAT	File system needs tuning
EMACS	Too much memory used
EGREP	Search failed
ENOPHONEBOOK	Directory not found
EHORSE	Mount failed

Deepthot
(Reprinted from Volume 48, Issue 4)

The Horribly, Completely, Totally Really Real True Story of Zombie Orange Crush

Years ago... actually just 1 year ago, but whatever... so a year ago, there was an awesomely amazing writer at *math*NEWS who mysteriously disappeared and was never heard from again.

Until Today!

Doesn't that sound like a trailer for the worst movie ever?

Anyway, that writer was called Orange Crush. Orange Crush died, but was resurrected as me, Zombie Orange Crush, in a tale that will chill your bones, thrill your neurons, and excite your... well, body-parts that you probably don't want mentioned on *math*NEWS.

Over the next few issues, I will recount that tale for you to read and enjoy and then read again and enjoy again, but less, because you already know all the jokes, and then maybe if you're really bored, you can read it again, because it's still more interesting than your corporate finance textbook. I forget where I was headed with this.

So, ladies and gentlemen (but especially the ladies... the hot ones anyway), here's Part 1- The End. (of Orange Crush).

For those who missed the last part of the story, even though there wasn't any last part, here's a quick recall- Orange Crush found himself locked in the MC for a weekend with a crazy serial killer. For more details, consult the last part of the story. Even though there wasn't any last part.

"Oh crap, I'm locked inside the MC with a serial killer!" thought Orange Crush.

At that moment, the serial killer sprang up behind him.

"No, don't kill me!" Orange Crush said. It was a very badly scripted moment from an old horror movie.

"Dude, I'm a serial killer, what do you think I'm gonna do, hug you?"

"Well, you could hug me to death", Orange Crush pointed out.

The serial killer didn't really have a good comeback for that point.

"What kind of a serial killer are you anyway?"

"What? I don't know," said the killer. "The bad kind?"

"No, what kind of series of killings have you performed? Like a Fourier series, or a harmonic series, or just a regular arithmetic series?"

"I don't know, the second one?"

Orange Crush smiled. "A harmonic series? Then you don't converge!"

And then in a puff of smoke the serial killer diverged to infinity and disappeared.

And thus, with some help from calculus or whichever course teaches you about series, Orange Crush defeated the serial killer.

Then he sneezed too hard, had a heart attack, and died right there at the MC.

Next issue- Orange Crush vs. Dante's Inferniola!

If you didn't like this Tale of Orange Crush, please email me, Zombie Orange Crush. Also, I have no email address, so screw you.

Have a great week or whatever. Don't forget about your corporate finance assignment.

Zombie Orange Crush

Iron Man 2 Review

It's probably ok, I don't really know

I was going to watch Iron Man 2 over the weekend so that I could write a review for *math*NEWS.

But then it was sold out.

So instead, I'm standing outside the theatre right now, and I'm going to review the poster of Iron Man 2, instead of the actual movie. You probably won't notice much difference. Besides, who goes to watch movies just based on reviews? That'd be stupid. Just go see the movie. Worst case scenario you waste $10 and 2 hours of your life, and if you're a university student and you can't afford to waste that, you've got problems.

So, the poster. It's a cool poster, I think. It's got Iron Man at the front, and you can sort-of see War Machine behind him, standing back-to-back. War Machine has a cool gun coming out of his shoulder, or at least I hope that's his shoulder. That's pretty cool. The background is like a stormy-sky sort of thing, murky and dark blue. It's a nice contrast with the red and gold. It's a rectangular poster, pretty large, although I would imagine you can find smaller versions of the same poster. The rectangular shape isn't very original, but you know what, it works.

It's definitely an improvement over the original Iron Man poster, which had just Iron Man, over an explosive-orange background, in a weird, diagonal kneeling-sort-of position. I don't know if you remember that one (they also used different posters), but that's the one I remembered. The old Iron Man 1 poster looked a bit too much like something out of Terminator. The new Iron Man 2 poster is much sleeker and clearer.

Now, that's not to say the new poster is perfect. Like I already mentioned, it certainly lacks originality. Placing the main characters in ready-to-action position has been done to death in superhero movie posters. Frankly, it was starting to get old after Spider Man 2. There's nothing intriguing or vague about it, you get Iron Man, you get War Machine, bam. No subtlety, that's the word I was looking for, subtlety.

Where was I... yes, the Iron Man 2 poster. It's a good poster, not great, nothing spectacular or ground-breaking, but a very cool, aesthetically-pleasing, action-movie poster. I'll give it a totally arbitrary 7.7/10.

There you go, that's your Iron Man 2 review. Also, if you're one of those people who got to the theatre before me and actually manage to buy a ticket, damn you, I wanted to see that movie. Oh well, there's always next weekend.

Zombie Orange Crush

This is the back of a coupon!

Get your scissors ready!

MathSoc is running a couple of promotions next week, and Kumar (their VP Finance) has asked us to print coupons for you. They are on the other side of this page. Cut them out and enjoy!

He also wants us to ask you to do the honourable thing and not photocopy the coupons. So I ask you not to photocopy the coupons.

Summer Movies

Had me a blast.... Summer movies, happened so fast....

Summer is upon us again, and the list of major movies coming out in the coming months are numerous. As college students we can't go and watch all of them, can we? Here's a handy guide to all the big movies coming out in the first half of the summer. Of course, being lazy and all, I'll get around to the other ones later!

May

- **Iron Man 2:** Remember how awesome the first one was? If you don't, go watch it! I was told by a very reliable source that the second movie has fewer mentions of Burger King, which is its only downfall, but still! RDJ! How can you NOT want to watch it?!

- **Robin Hood:** When not beating up hotel employees, apparently Russell Crowe found time to go back and make Gladiator 2, or so I'm told. If you liked Gladiator 1, you'd probably like this one.

- **Shrek Forever After:** You know Shrek's going downhill when I hadn't heard of this movie until I looked on IMDB, two weeks before its release. Apparently in this movie, Shrek finds out he never existed, which probably parallels the adults in the audience because they would be able to avoid this obvious attempt at milking a dead cash cow.

- **Prince of Persia: The Sands of Time:** What's better than a movie set in the Middle East starring an all-white cast posing as middle-eastern people? Apparently the solution to make it look more realistic is to give the entire movie a yellow-tint. Still, if you're into this Jake Gyllenhaal fella, I hear he looks hot in it. Mmmm, beefcakes.

- **Sex & the City 2:** I only added it in because of the potential female reader in the audience. To whom I say: Respect gone!

June

- **Marmaduke:** Remember the live-action Garfield? Replace kitty with big dog, and bam! New movie!

- **The A-Team:** It's just not the same with Mr. T, but still, they needed to have someone in there while Mr. T is off playing WoW with his night elf mohawk, so here we are.

- **The Karate Kid:** Personally, I don't really see how this works, since I thought Jackie Chan was all about the Kung Fu, but I guess he can diversify his profile. Sequel idea: Ghandi teaches Abigail Breslin tae bo.

- **Toy Story 3:** *It's about TOYS! WHAT ARE WE, FIVE?!*

So there you go! All the major movies in the next two months, broken down for your consumption! Just as a side note, don't watch The Human Centipede, I hear it's so bad Roger Ebert refused to give it a star.

Movie Critic Panda

Confessions of an Actuary

Spoiler: You all die

Hi everyone. I'm an actuary. Most people in the math faculty will at least kind of know what that means. For everyone else, an actuary is basically a statistician who specializes in statistics based on when people die for the application of insurance policies. Or for those that follow right wing media, I am the communist nazi regime that is attempting to take away your liberties and freedoms.

And now a list:

1. Actuarial life tables are extremly useful for many reasons. We can find out (on average) when you or anyone you know would die. Figure out how to read them and this makes a very fun party trick… if a little morbid.
2. Very rarely do we put faces or names onto our policies. It's always policy numbers and limited information. I assume doctors do the same thing. However, it should be noted that we still profile these people… in some ways that may or may not be ethical.
3. We're essentially necromatic combinatorics majors… we count dead people.
4. If there is a hell, then I'm definitely going to end up there. Particularly after uttering the phrase "I don't get it. Why are so many 35 year old women just dropping dead?"
5. All of our documentation confuses people to no end. Because whenever actuaries talk about losing money it is because we had to pay it out to people. Yes we complain about having to give our clients money… it's true. Our favourite word is "lapse" because it means that you surrender your policy but still pay the insurance company some money. Yes, we are that evil.
6. It still confuses me how a company can exist that says its main job is to provide its customers with security and protection while also trying to make a profit for their shareholders… generally speaking meeting one of those goals make you absolutley fail at the other one… just saying.

Thats all I got for now, enjoy.

The Actuary

The Top 10 Integers greater than 0 and less than 10

Yes. This is a real article

1. 1
2. $\lfloor 15/10 \rfloor$
3. $|e^{2\pi i}|$
4. Number of attempts the Batman needs to come up with a plan to beat you
5. $1+1/1*1-1$
6. $\sin(\pi/2)$
7. i^4
8. $|\lceil 1 \rceil|$
9. $\sum_{i=1}^{\infty}(1/2^i)$
10. $\int_1^{\infty}(1/n^2)dn$

CorruptED

The Black Eyed Peas recall another album

The Love has been located, so search has been called off

Since 2003 the Black Eyed Peas had been searching for what they affectionately refer to as "The Love", and last Wednesday the search was called off after police officials reported to have locate the remains of the Love.

"It has been a long and grueling search for us. Although, we would have very much wanted to find the Love still alive and well, the fact that we can bring this seven year drama to a close is good enough," said singer Will.i.am in a recent press conference. With the search coming to a close, the Black Eyed Peas expressed their wishes to recall their hit album *Elephunk* which contained the song *Where is the Love?*, a plea for the community at large to help the group locate the Love.

There was a special service held for those who have been adversely affected by the loss of the Love for the past few years. Group members Apl.de.Ap and Taboo were showing their remorse for their loss by sharing a fifth of vodka, and reminiscing over fond memories of when the Love was still in their lives. "All I have left for comfort is the cold sting of twenty consecutive shots of vodka" bemoaned Apl.de.Ap. Taboo's spirits was much higher as he planned to begin a new search for the Lust, the False Hope of Emotional Satisfaction from a String of Meaningless Sexual Encounters, and the Perfect Meatloaf Recipe.

With the news of the recall so soon after the group had to recall their album *The Energy Never Dies* due to changed projections for tonight's prospects, this new blow to the group hit just that much harder. Singer Fergie provided the closing comments to the service by saying that "… with [the Love] gone the world has become an unforgiving, desolate wasteland not much different than living in Utah."

The Hee Ho

Horrorscopes
Your killjoy to the beginning of spring

Accounting: You calculate the amount of money spent to clean up the campus now that the geese have returned, and realize that the only way to save money is to get rid of the geese altogether. Unfortunately, the geese have other plans.

Your Lucky Number is: A dozen peck wounds.

ActSci: You realize that with the coming of spring is the coming of flowers and their allergies. To protect yourself from the risk of discovering that you're allergic to some seemingly harmless plant, you stay in your house. Neither you nor your roommates have cleaned the place in a while.

Your Lucky Number is: 1 severe dust allergy.

AHS: Taking advantage of the newly-thawed field, you go outside to play some soccer. The geese have the same idea, and you decide that the only way to get rid of them is to pull a Zidane.

Your Lucky Number is: 2 yellow cards.

AMATH: Spring is here, love is in the air. You attempt to use math to figure out how to best woo that girl in your arts course, until you realize that neither complex numbers nor bad puns will catch her attention.

Your Lucky Number is: i girlfriends.

Arts: You decide to write a sonnet to celebrate spring, written in perfect Iambic pentameter. Just as you're about to present this masterpiece of spring literature, Shakespeare comes out of a time warp and grabs your poem out of your hand, and disappears. Your prof later accuses you of plagiarism.

Your Lucky Number is: 155th sonnet.

BBA/Business: Mistaking the weather forecast for the economic forecast, you invest in suntan lotion. The market crashes the next day, but you get a nice tan.

Your Lucky Number is: 523 bottles of lotion.

CS: You notice that its getting warmer outside, and turn on the air conditioning to keep the computers running. You have doomed the world to global warming, but the servers are still running.

Your Lucky Number is: 5 working computers.

CO: You try to plot a course through campus to optimize sunlight received while walking between your classes. Only after hours of hard work, you realize that your classes are all in the same building.

Your Lucky Number is: A serious vitamin 13 deficiency (convert it to hex!)

E: You decide to enjoy the environment by going swimming outside. The water is still cold.

Your Lucky Number is: 30 C body temperature.

Engineering: You take the solar car out for a night on the town. Unfortunately, the police aren't impressed by your drunken joyride.

Your Lucky Number is: 6 demerit points.

MathSci: You simulate campus conditions on your computer. Your computer realizes how nice it is outside and tries to escape outdoors, only to find that it's on the 4th floor.

Your Lucky Number is: 4 floors of brief joy.

PMATH: You notice that the rest of the faculty has left the building. You also notice that a strange warm light is coming through the windows. You close the curtains, as the light is distracting you from your work.

Your Lucky Number is: 1 building to yourself.

Science: You decide to move the moon in order make sure that it will never, ever block out the sun again. You miss your trajectory and the moon begins falling toward the Earth. The planet's only hope lie in the hands of four sleeping giants.

Your Lucky Number is: 64-bit graphical awesomeness.

SE: You have an end-of term project due tomorrow, but you forgo the work in favour of the weather.

Your Lucky Number is: 10% drop.

Stats: You decide to be more accurate than the weatherman. The network hires you, but you must work during exam week.

Your Lucky Number is: 7-day forecast of hell.

Undeclared: You can't decide whether you are happy about the arrival of spring, or sad about the departure of winter. You briefly become schizophrenic.

Your Lucky Number is: 2 minds, 1 body.

Other: You get mauled by a fanged Frisbee.

Your Lucky Number is: 7 Harry Potter books.

Big Mak

POINT VS COUNTERPOINT
Should CorruptED kill all the math*NEWS staff?*

Yes, I totally should
Starting with InsidED

So, all of my writers are clearly evil and need to be destroyed. This has nothing to do with their incessant mocking of me and my authority, not in the slightest. That would be petty and insane of me, and everyone knows that CorruptED is a perfectly well adjusted individual who only sometimes talks in the third person about slaughtering roomfuls of people.

No, the real reason all the *math*NEWS writers must be… disposed of is that they are clearly zombies. The signs are clear. Once per fortnight they are found to wander into our presence, mumbling incoherently about their desire for pizza. They chaotically work together to create some mad scribbling of lovecraftian horror, which is then assembled on bright colourful paper, attached to *prof*QUOTES, and then distributed for your beloved consumption.

Of course, we all know zombies are bad, and *math*NEWS is a big supporter of zombie destruction. We're not sure why, seeing as it's written by zombies, but maybe they just don't think their articles through very much. Either way, due to our laziness in finding a cure to zombism, we're forced to kill it with fire instead. A terrible loss, but a necessary one.

CorruptED

No, he totally shouldn't

We would have no *math*NEWS. Case closed.

InsidED

Dating News You Can Use!

Welcome, welcome, one and all!

This is the revamped dating advice column, created by a dateless loser for date-less losers. Here we answer all of your relationship questions in a timely and proficient manner. Got dating questions? Want my advice? Drop your queries in the BLACK BOX. Anonimity guarateed!

Question: Dear dating advice guy, I'm on co-op right now but my girlfriend is still in Waterloo. What do I do?

Dating Expert's Advice: You have a girlfriend?!?! Lucky you! I'm so jealous. But anyway, here's what you do: send her emails every day, call her until the minutes on your cellphone run out, buy her flowers online, and generally strangle her with long-distance love. That way, when she cheats on you with a hotter and more conveniently located guy on campus, you can totally rub her nose in your efforts at the relationship and make her feel so guilty she takes you back! It's guaranteed to work!

Question: Hey man, I just wanted to say I think your column is amazing. Here's my question: how can I attract girls without too much effort?

Dating Expert's Advice: From what it sounds like to me, currently you're a totally unattractive person. Don't feel bad, 95% of the Math Faculty are in the same position as you. However, there's a solution! And it doesn't even require much effort! Buy a huge magnet and staple scrap metals to whichever girl sparks your interest. No, seriously, just shower more often, practice better eye contact, and hope for the best. If nothing happens, just give up.

That's it for now! Don't forget to send in your questions, and until next time, maintain healthy relationships, practice safe sex, and spread the love (not necessarily in that order, if you know what I mean).

The Date-less Dating Advice Guy

A Definition of Lecture

"The process by which the notes of the professor become the notes of the student without ever passing through the mind of either"

Anonymous

Playing Old Video Games

because they won't lag my computer

With work taking a solid 8 hours every day, plus other miscellaneous things (being in Ottawa the most significant one), I had great difficulties accomplishing anything meaningful. That's why my computer with a GBA emulator was a very good friend on my last co-op term. A few games were particularly memorable (unfortunately, not all because they were good), so here are some of my ramblings on them.

Fire Emblem: I actually quite like the underlying concept and mechanics, which makes this game worth playing. The presentation, though, was mediocre, and I think I'm being very kind with that comment. The storyline just didn't seem powerful enough to drive the game's progression. The gameplay was certainly much deeper than your run-of-the-mill RPG or ARPG, which was nice.

Golden Sun (I and II): Those two games made me feel that Nintendo doesn't really have a good eye for RPGs. The storyline made no sense at all. The balancing of the game was such that the beginning was piss easy, and to make the end bosses not complete pushovers, they were given incredibly cheap abilities that were just plain annoying. To defeat them, the player will more or less depend on them being stupid (e.g. casting a spell that heal ~70 hp/turn when the player is capable of dealing thousands). There is actually a lot of praise for this series around the internet, but if you want to try it, proceed with caution.
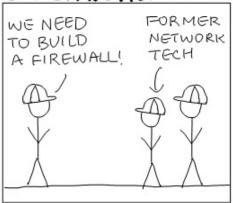
Castlevania: A classic that's still pumping out games in recent years. There's definitely a lot of originality and good ideas in this series, although some titles are clearly better than others. The player controls a human vampire slayer who ventures into Dracula's castle, and then proceeds to devastate all the monsters, demons, and lighting fixtures in sight with his holy whip. What's not to like about that?
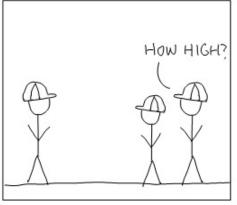
Touhou Eiyashou This is the eighth title in a series of STGs (ShooTing Games) made for the PC. The player controls the iconic shrine maiden, Reimu Hakurei (among other selectable characters), on a quest to foil an evil sorceress who replaced the moon in the sky with a fake one. This game is nothing short of epic. Even if you don't care much for this genre, the soundtrack alone makes this game worth checking out. It's simply incredible that everything was made by only one person.
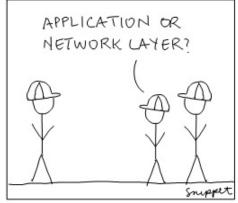
The conclusion? Ottawa is a very boring place, so bring a book next time you have to go there.

Lich

CONSTRUCTION WORK

WE NEED TO BUILD A FIREWALL! | FORMER NETWORK TECH

HOW HIGH?

APPLICATION OR NETWORK LAYER?

snippet

*prof*QUOTES

All students take Calculus. Doesn't mean all students pass Calculus.

West, MATH128

Just because it's popular doesn't mean it's good. Case in point: Justin Bieber.

Wood, MUS140

(Referring to the final) This isn't mathematics, we don't look for ways to take off marks, like "Oh! Why is the comma here? 1 mark off!"

Mansour, PHYS112

There's a new nanotechnology building being built next to Math, from what I understand nanotechnology is really small things, so why do they need a big building for it? Wouldn't a tool shed do the job?

McClinchey, SOC416

Rock is dead... what does that even mean?! All I know is that a game of paper and scissors will be very boring!

Wood, MUS140

Prof: You can call me Dr. T.
Student: Can we call you Mr. T?
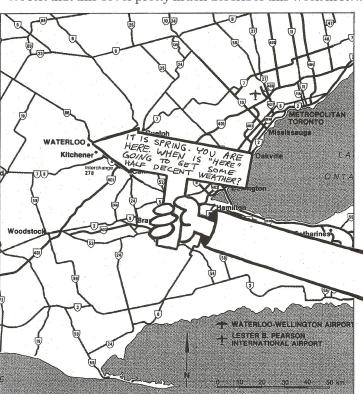Prof: That's why I was relieved when I got my PhD, people would stop calling me that!

Tripunitara, ECE428

Flashback: Volume 70, Issue 6

Published March 29, 1996

We felt that this cover pretty much describes this week in KW.

Connectionless is like sending a letter. It shows up, I don't know when, especially with Canada Post.

Tripunitara, ECE428

Here are two silly examples. Silly pictures, rather. The examples are not silly.

Tripunitara, ECE428

The great thing about TCP/IP is that it works. That's about it.

Tripunitara, ECE428

If you need that many words in your definition, you really don't know what you're saying.

Rayside, SE464

[writes on the board] "Waterloo is beautiful."
[groans from the class]
It's not the content of this example that's important.

Rayside, SE464

You're the guys who reported everything to *math*NEWS last term. I should be careful.

Ward, SE490

Student: How formal must these demos be?
Prof: If you're not in a tuxedo, it's not a formal demo.
Student: Seriously?
Prof: If you haven't learned not to take me seriously by now...

Ward, SE490

Prof: The receiver must be able to understand the signals you send.
Student: Can you tell that to those who are trying to send signals into space?
Prof: It's private money, so I don't care.

Ward, ECE454

Grandma's not dead. She's just slow.

Ward, ECE454

How many people are on this planet? A little less than 7 billion. We'll say 10 billion because it's easier math.

Ward, ECE454

Apparently, even China is outsourcing. What are we going to do when there are no cheap places anymore?

Ward, ECE454

I invented a new data structure today: FoxNewsTrees, they claim to be fair and balanced, but are actually heavily weighted to the right side.

Godfrey, CS 136

Have your profs said anything worth quoting?

Send it our way!

If you have *prof*QUOTES, email your them to us at mathnews@student.math.uwaterloo.ca, submit them to the BLACK BOX outside of Comfy, or tweet @UWmathNEWS.

Cryptic 101

An introduction to Cryptic Crosswords

This article was first printed in October 2004 to help untrained students solve cryptics. Now that the cryptic is back, we've decided to reprint this article in an almost pristine state. This is your novice guide to cryptics.

The fundamental principle of a cryptic clue is that it is composed of two distinct parts: the definition, and the wordplay. Both parts suggest the same word, which is the solution to the clue.

The definition is like the normal crossword clue to the word, but is hidden within the clue. Fortunately, it is always located at the very beginning or very end of the clue. It is usually one word, but can be an entire phrase. The definition can be a rather vague association with the answer, as you will see in the examples provided below.

The wordplay is the rest of the clue. It clues the same answer as the definition, but using one or more forms of letter/word tricks. Good cryptic clues do not have any extra or redundant words *[My clues probably will for at least the first couple of issues — CryptMaster]*. Frasier Simpson, who writes for the Saturday *Globe and Mail*, is a well-known writer and follows this policy.

The rest of this article is dedicated to those tricks and examples (all from the 3rd issue of Fall 2004, which you can find the complete puzzle on our website: `http://mathnews.uwaterloo.ca/Issues/mn9603/cryptic.php`).

1. **Hidden Word:** The simplest form of cryptic clue, where the answer is hidden right in the clue! Look at 21 Down: "Happy in the late draw (6)". Here, "happy" is the definition, and "in" is what I call the action word: the word that directs the reader how to proceed. In this case, the answer is "in" what follows. Thus, we find in bold: "th**e late d**raw", elated = happy. At this point it is important to note that "in" doesn't always mean a hidden clue. Keep reading to see why.

2. **Anagram:** Another fairly simple cryptic clue is the anagram, where all the letters are given in the clue; you simply have to rearrange them into the answer. Try 11 Down: "Hospital got new scientist (11)". The definition is "scientist", and "new" is our action word. "New", "old", "broken", "fixed", "arranged", "mixed", etc. are all examples of action words that signify an anagram. Here, we take a new version of "hospital got" to get a "scientist". You could try rearranging those letters to see if you can find it. No? The answer is pathologist.

3. **Double Definition:** Sometimes there is no wordplay, and the rest of the clue is simply another definition. If the clue is only two words, it is almost guaranteed to be a double definition. Sometimes longer clues will also be a definition. Now take a look at 29 Across: "Most aware of smallest angle (7)". Here, the two definitions are "most aware of" and "smallest angle". Try pausing for a moment and see if you can find the word that means both. Give up? It's… acutest.

4. **Synonyms:** Quite often words are used in wordplay to represent other words. Often words are replaced by only letters that represent them in everyday life ("empty" becomes "e", for example). Sometimes words are used to represent themselves! Try 25 Down: "Co-op student in migrating bird (6)". Definition is "co-op student", "in" is just "in", and a migrating bird is a "tern". "in" + "tern" = intern = co-op student. Now you might be thinking: "How was I supposed to know

that?" Well, you weren't exactly. There are many migrating birds. But this one happens to make the entire clue make sense, and thus you know you have the right answer.

5. **Homonyms:** Sometimes the action word will direct you to listen to how a word is pronounced, or more often, to listen to how a synonym of a word is pronounced. The answer will be a homonym of this synonym. An example is best, so let's look at 1 Down: "Seafood body parts, say (7)". The definition is "seafood" and the action word is "say". Try "say"ing some body parts. One of them is bound to sound like a kind of seafood. Have you got it? Muscles sound like mussels, which is the answer.

6. **Puns:** A question mark at the end of a clue means that solving this clue will either take a stretch of the imagination (further than normal!) or will actually be a pun. These are usually combined with other simple wordplays. For a great example, try 23 Down: "We hear kisses with flowers? (6)" The definition is "flowers", and the action words are "we hear". A homonym clue! What synonym for "kisses with" sounds like "flowers"? It's not too hard, now that you know it's a pun. Well, you kiss with two lips, which sounds like tulips. Get it? I hope you found that as funny as I did.

7. **Complete Clue:** An exclamation mark informs the reader that the entire clue is **both** the definition **and** the wordplay. This is rarely used, but can be quite interesting when it is. There are no examples from that issue, but two issues before it, one of the clues was "Become a couple!? (8)". This clue was both a pun and a complete clue. Here we go, prepare to groan. Become a couple means together, but become a couple for a guy is the same as **to get her**!

8. **Construction:** Now comes the complicated part. Many action words direct you to rearrange the words or synonyms you have created using the above rules to finish the clue. The majority of cryptic clues use this technique, combining the above, and having **other** action words complete the answer. Words like "after" direct you to move some letters to the end. "Up" can mean you write a down clue upside down. "In" can mean you physically put one word inside another. "Heartless" may mean you remove the middle letter of a word. Let's look at a big clue and see it all fall together. 20 Down: "Sun up stores chance without small check of subtleties (7)". Our definition is "subtleties". Our action words are "up", "stores" and "without". This is what we do (follow carefully): "sun up" in a down clue is "nus". "Stores" tells us we're going to put something into "nus". That something is "chance without small check". A small check is "ch", a standard abbreviation. So "chance without ch" is "ance". Have you kept up? We "store" "ance" in "nus". Can you see where we put it? nuances = of subtleties.

That last example was just one way that cryptic clues can become quite intricate. For instance, synonyms can be combined with anagrams to create harder clues! This involves taking a synonym of a word in the clue, and then taking an anagram of the synonym to solve the clue. You will learn, only by doing, how all the clues fit together. The editors will gladly answer any questions in the future about the grid. Until then, happy solving!

David Wheatley
ConMaster

I Can Haz Winner?

$25 Gift Card for Conestoga Mall

Welcome to yet another spring term here at UW, and we once again hard at work here at *math*NEWS bringing you the news, opinion and humour that you deserve (and pay for).

As per usual, I will be giving our staff (as well as anyone else who submits to us) a chance to win a $25 gift card to use at Conestoga Mall. Yes, that means greater variety or prizes for our winners to choose from! Hooray!

This week, our prize goes to The Date-less Dating Advice Guy. By the time that this issue comes out, his expert advise will have given me either a girlfriend or a highly-popular "Women Against Dating InsideR" group on Facebook (as of press time, it was too early to tell which). Nonetheless, he can come to the MathSoc office to pick up his prize.

For the rest of you, what are you waiting for? You can't win if you don't submit! Email your submission to mathnews@student.math.uwaterloo.ca (subject: article) or drop your submission to the BLACK BOX outside of Comfy.

Until next time!

InsidED

We would put a grid solution here

But this is only the first issue.

So we have to give you filler instead.

Want to redo our website?

We are looking for proposals!

As you probably know, the *math*NEWS website is pretty blah. We don't like it that way, and we are looking for someone to help us fix it.

Also, our production system is nearly 20 years old. We want to get that fixed too.

If you have any web design skills, we want to hear from you. We are looking for proposals from UW students, staff, faculty or others to redo our website. Proposals will be judged based on cost and time to completion.

If you're interested, you can find more details by visiting mathnews.uwaterloo.ca/Issues/mn11206/rfp.php or alternatively by emailing the editorial staff at mathnews@student.math.uwaterloo.ca. Proposals are due by May 31st.

InsidED

Drywaller

"Listen up. Our client isn't picky, as long as each square has the right number of walls surrounding it. Sounds a little tricky, but we didn't get to be the #3 drywall outfit in town by being lazy."

Also:

- There's a wall around the outside
- They want exactly 11 rooms

2	2	2	1	1	1	2	4	3	3
1	1	2	1	1	1	2	3	1	2
2	2	2	1	1	1	1	2	1	1
2	2	1	0	0	0	0	1	2	2
1	2	1	0	0	0	0	1	2	2
2	3	1	0	0	0	0	1	1	1
3	2	1	0	0	0	0	1	1	1
3	2	1	1	1	1	1	2	1	1
2	2	2	2	3	3	2	2	1	2
2	2	3	3	2	2	2	2	2	3

*grid*COMMENTS

Once again unto the breach...

Welcome to a brand new term of fiendish word puzzles ready to crush your very spirit into a fine powder. This term, for extra pain, there sill be both cryptic and quick clues. Given the results of the past two terms, it may be debatable which clues will be easier to solve. I will once again provide the quick clues and the mysterious CryptMaster will produce cryptic clues. To avoid confusion, it should be noted that the different sets of clues correspond to different solutions.

Once you complete the grid, drop it off in the BLACK BOX located just outside the comfy lounge on the third floor of MC for a chance to win a *fabulous prize*. Be sure to include your name so that we know who to give the prize to. There is one prize available for solving the quick clues and another for the cryptic.

Submissions should also include an answer to the *grid*QUESTION which will be used to determine a winner in the case of a tie. This week's *grid*QUESTION is: What would you do if you had the Pinky suit (see issue cover) for a day?

perki

WORDARC

The scrambled words overlap by two letters

eor, aelr, aails, almsuy, eemnptu, beeelmns, aceillx, aeegll, egnsu, ersu, aer,

http://euri.ca/puzzles

uMbrellas

Place the following 10 squares on the 10 circles so that the overlapping numbers match up.

6	8	8	1	4	3	6	1
1	2	2	6	3	3	1	7
3	8	5	5	1	4	6	1
3	6	8	1	0	0	1	9
7	1	7	6				
4	0	6	1				

Puzzles on this page courtesy of our friends at euri.ca

Sudoku

	5			1		9		
	3		7					6
	8				7	3	5	
		9	8					1
7	9				6	5		
5			3	6				
6	1	7			8			
8			2		3			
	2		6			5		

GRIDWORD

Cryptic Clues

Eastbound

1. Tablecloth part of critical icon (6)
4. Slow pitch diamond corners edge used as a basis (8)
10. Offensive to oppose a sidewalk insect (9)
11. Northern Ireland's ache beginning to go: my specialty (5)
12. Pre-Easter observance west of Illinois vegetables (6)
13. Annoying walk before north end of Detroit (8)
15. Italian increase by many of you makes anger (9)
17. Believing start of creek's tall grass (5)
19. Thing that ferments my beta isn't the odd one out (5)
20. Off-centred roof storage after design style resembles the said styles (9)
21. Vertical rise before nearly massive American League's sudden convulsion (8)
23. Hot, dry clean up after anonymous routing (6)
26. Lack of taxi going west comes from pigs (5)
27. Unwanted to endlessly push a charged particle (9)
28. Confused Langi clutches rest, being alleviated (8)
29. Ceremony of spirits fixed incomplete Senecan (6)

Southbound

1. Proposition buried in taco roll, aryl combustion (9)
2. Los Angeles ATM password has cotton tail (5)
3. To nearly know your aunt without you being aware (9)
5. Being against a PhD paper opposes this proposition (10)
6. Bored over us, so we hear (5)
7. Heart of Satan follows French cream inside hotel once more (9)
8. Gathering the first biblical woman above the Northwest Territories (5)
9. Animal found in zinc atoms (3)
14. Clean protection of health (10)
16. Data diagram above Mac scheduler looks nice (9)
17. Pure heart inside endless musical author brings calmness (9)
18. Indulgent ten years before North Carolina editor's commencement (9)
21. Rain protection losing a forearm's length darkens the ground (5)
22. Bug not to please (5)
24. Liquid precipitation to rule, by the sound of it (5)
25. Consumed a spouse needing no introduction (3)

Quick Clues

Across

1. Afternoon rest
4. Subject for 21 across
10. Debate chairperson
11. Magnetic flux density unit
12. Loosen chaff
13. Hold back
15. Female family head
17. Support
19. Cavalry sword
20. 2 down for some denominations
21. Institutional religious official
23. Redundant
26. Palate pendent
27. Provisional
28. Overabundance
29. Moon of Mars

Remember that these represent two DIFFERENT sets of solutions!

(But we have a prize for each)

Down

1. Occasionally
2. Person valued for wisdom
3. Gate with revolving arms
5. Quoits
6. Duo of quartets
7. Assault
8. Long
9. Greek letter
14. Business owner
16. Musical notation system
17. Market balancing mechanism
18. Magic user
21. Dolt
22. Percolate
24. Abhorrence
25. Finish

Never seen a cryptic crossword before?

Learn how to solve it on page 14

Name: _____

Answer: _____