

University of Waterloo

Department of mathNEWS Services

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VOLUME 54 ISSUE 3

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... don't look too closely...

## Look Ahead

mathNEWS	
Oct 15	Issue #4 production
Oct 19	Issue #4 release
Oct 30	Issue #5 production
Nov 3	Issue #5 release
MathSoc	
Wednesdays	MathSoc meeting at MC4067
Oct 11	Bingeman Park
Cinema Gratis	
Oct 9	In the Name of the Rose
Oct 23	Raising Arizona



Hey Party Dudes!!!

For those of you who still haven't got your Oktoberfest tickets - too late! Tickets are all sold out. For you lucky ticket holders, buses leave at 5:30 PM and 6:30 PM Rhursday, Oct. 11 from East Campus Hall, not Math Loading Docks as stated on the tickets. The buses will return from Bingeman at 12:30 AM and 1:30 AM and it is your responsibility to be on these buses. People who wish to drive can come and see me in the Math Society Office that day and exchange your vouchers for the actual tickets. Also, don't forget to bring valid I.D. Zige-Zeige, Zige-Zeige, Hoi, Hoi, Hoi!!!

Coming soon to an Arts Lecture Hall near you . . . The Rocky Horror Picture Show! Look for posters with further details.

Until next issue . . . Party, Party, Party!!!

## Masthead

*It's been a hard night's night*

Don't mind me. I'm just going crazy, I'm terribly busy, and Karen didn't show up. A hearty thanks to those people who did show up. They (and their favourite Arab leaders) are, respectively: Mark Brockington (Salman Rushdie), Kivi Shapiro (Ruhollah Khomeini ('cos he's dead!)), Kathi Lai (I don't know any), Stephen Smith (Yes), "Scammer" (most definitely not!), David Gibbs (none of the above), Marcel Goudeseune (only on Tuesdays), Lance Sibley (Elizabeth Taylor), Joe Varnell (Zsa Zsa Gabor (Oh! You zexy Saddam you!)), Jason Rochon (I'd like to see Brian Mulroney in Arabia), Curtis Desjardins (Abba? Abba sucks! . . . oh, arabs!), Mike Newman (Lori Anderson), and Betty-Jo Hill (If it's a tax-free country, I'm in).

Special thanks to Gino's Pizza for figuring out what's going on, to the people at Graphic Services who always know what's going on (right, Marion?), and to Sam Chang for draining my bank account.

Trevor "the editor who is to stressed-out to be reluctant" Green

## MGC

*The Fun Has Just Begun!*

Hi there! Just a few short blurbs of news this week, so here they are.

- The Class of '91 picture was last week and I'm pretty sure we had a great turn-out. (Since I'm writing this on Monday, I'll know for sure next week.) It's great to see most of the class all in one place.
- Fundraising, with Roger Tudor, is really picking up. Our next Pizza Day is coming up on Oct. 10. Also, we ran our first Bingo on Oct.2. We have lots of Pizza Days and Bingos lined up to raise money for the MGB, but to be successful we need all the help we can get. If your interested, you can sign-up on the MGC door/bulletin board. The more money we can raise now, the better and bigger the MGB will be. (Pizza Days - Oct 10,24; Nov 7,21. Bingos - Oct 17; Nov 13,28; Dec 3,5)
- Finally, a reminder to get your Yearbook blurbs in to the MGC office as quickly as possible. Yearbooks and Grad Rings can still be bought at the MGC Office - see the office schedule posted.

Everybody have a great Thanksgiving Weekend and relax.

MGC Chair  
Peter von Schilling

## What Can We Do Pour Vous?

The Math Society Office provides a tremendous amount of resources for you free of charge from 8:30-16:30, that you may/may not be aware of. These services include:

- Past midterms and exams available for loan for Math and other courses such as Economics, Political Science, etc.
- 5 ¢ photocopying service, change available
- Various Novelties for sale
- Typewriter for use
- Tickets and Sign-up sheets for Seema's various social events
- Stapler, hole punch and paper cutter for use
- Various reference materials, Directories, Maps, Co-op Manuals, course calendars, Course Satisfaction Surveys, pamphlets

And of course Courteous and Friendly Office Workers to provide you with excellent service and helpful advice! So please drop by MC 3038 or phone 888-4779.

Thanks.

Salim Parak  
Resource Manager

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Editor: Trevor "down with reluctancy!" Green



## WantAd Awards

Everyone knows that mathies can't add, but ...

Ontario Police College

Recreation Leader

Disciplines: RE, KI

... Work hours (40 hours) are 1:30 PM - 10:00 AM Monday to Thursday, and 8:15 AM - 4:30 PM Friday.

Unfortunately, those hours add up to 90.25 hours per week.

I didn't know Sears had merged with Universal Import & Export ...

Sears Canada

Programmer- End User Computing

Disciplines: CS, MA

... A working knowledge of IBM PC's, good writing skills, good people kills, and ...

'You didn't give me a raise? Take that!'

Attention Frosh! In four months, do you want to teach the CS course you're taking now?

University of Waterloo

Department of Computer Science

Tutor

Discipline: ANY

... the CS department requires several tutors to assist in the introductory computer courses, CS100, CS102, CS131, and CS230.

You don't even need to be in MATH or CS - they'll even hire 4A Anthropology majors!

For the imaginative student ...

Mayfield Secondary School

Teaching Assistant

Disciplines: RE, KI, HS

... Coaching will involve one of girls volleyball, ... , wrestling track & field, ...

I'd hate to see the results of the javelin throw

The No-Prerequisite Job:

The Chicopee Ski Club

Ski Shop Staff

Disciplines: KI, RE

Sporting goods knowledge would be an asset. Prior skiing experience is also an asset. Must have a friendly and helpful personality. Training seminars must be attended.

Whoopee!

Shortest WantAd:

Public Service Commission Canada

Discipline: MA

The student will be required to program and assist analysts in their tasks.

That's it! Great job, eh?

Mixed-Up Priorities Award:

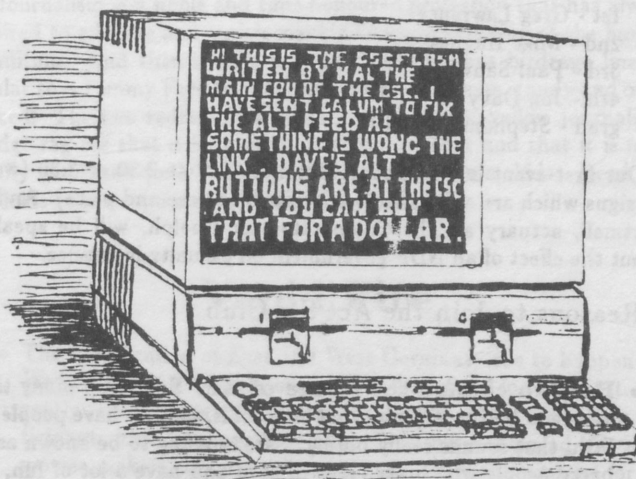
Central Guaranty Trust

Programmer

Disciplines: MA, AT

Any math or any arts? What? Aren't the two disciplines like, diametrically opposed? Do they expect to find an artsie who has some proficiency (or any interest at all) in COBOL? Are they sane?

Ford Prefect



**Waterloo Co-operative Residence Inc.**  
A Housing and Dining Alternative

### Features:

- Student built, owned, and operated.
- Five minute walk to the University of Waterloo and Wilfrid Laurier University.
- Low cost accommodations.
- Organized social/recreational activities.
- Residence rooms (single and doubles).
- Apartments (one to four bedroom apartments available).
- Housing is allotted based on membership seniority and application date.
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For further information write to or call:

Admissions Co-ordinator  
Waterloo Co-operative Residence Inc.  
268 Phillip Street  
Waterloo, Ontario  
N2L 6G9  
(519) 884-3670

## Exciting Act Sci Club News

Our organizational meeting last week was a great success - we have 75 members and counting!

Announcing our elected executive: (drumroll . . . )

President - Lisa Chen  
 Vice-President - Oliver Lee  
 Treasurer - Liam Cheung

And Year Reps:

1st - Greg Lawrence  
 2nd - Mike Hughes  
 3rd - Paul Sauve  
 4th - Jon Davy  
 grad - Stephane Brodeur

Our first event is Wednesday, October 10<sup>th</sup> at 2:30 or 3:30 (watch for signs which are a little more specific as to time and place). Andrew Cartmell, actuary at The Co-operators in Guelph, will be speaking about the effect of an NDP government on casualty insurance.

### Reasons to Join the Act Sci Club

- **Help to change the image of Act Sci.** How many times have you had to explain what Act Sci is, only to have people say, "Oh, that sounds really boring." We're going to be known as the party people who make loads of cash and have a lot of fun, fun, fun. People will not have to ask what Act Sci is about; when you tell them you're in it they'll say "Wow! Can I hang out with you?"
- **FUN.** We're planning events, events, events. Especially, a BIG BASH after November exams. Tentatively, sports, tours, . . .
- **Networking.** It's not what you know, but who you know. This is your chance to be associated with the Actuarial Students National Association who hold open meetings now and then. Get to meet loads of other people in Act Sci (for help, study notes, live with, borrow money from . . .)
- **Information.** Find out more about what you're getting into from speakers from the field.
- **Membership is almost free.** For the low price of \$2, you get a one term membership. Think about what you can spend \$2 on: Donuts and pop at the C&D - come out for meetings and speakers and we'll give you these for free, OR 1/6 of a SOA/CAS approved calculator. Who would want one of those anyway?
- You can pretend that 75 or more people are your friends if you join the Act Sci Club.
- Did I mention a BIG BASH in November?

LC

## Limerick

The draftsman emitted a cry,  
 "I've created a line with length  $\pi$ !"  
 But it went to rejection:  
 On closer inspection  
 They found 'twas a millionth-inch shy.

- PF7

## Prof Quotes

*Not for the faint of heart!*

Remember, we need a lot of these things to sift through. Submit yours in the BLACK BOX. Submit early, submit often!

"How many of you have done this before? Oh, well it's easy . . ."

Schellenberg, MATH 135

"I don't remember these results, and I could have made a drastic error . . . so don't memorize these."

Springer, MATH 137

"This friction tends to rotate the car. Then we get much more . . . blood."

Woolner, PHYS 121

"I'll prove half of it without Cayley-Hamilton . . . Well, I'll give you the Cayley-Hamilton proof . . . first . . . maybe . . . I'll give you the Cayley-Hamilton proof today and then next time I'll prove it without the Cayley-Hamilton proof . . . which we haven't proved yet."

Hoffman, MATH 244

"NOT a hard question . . . if I do it."

Springer, MATH 137

"Forget everything you have learned before. It just gets in the way."

Struthers, MATH 137

"We make mistakes . . . but don't tell the Dean that . . . he pays my salary."

Vanstone, MATH 135

"If you need an excuse to drink beer, then you're not really serious about it."

Woolner, PHYS 121

" . . . someone calls you at 3 in the morning, your girlfriend's mother calls and you leap up and say 'Draw a Free-body diagram!' A free-body diagram can solve ANY problem."

Eastman, PHYS 121

"Who can tell me the answer? I'll buy you a beer if you do."

Lewis, MATH 137

"Who didn't know the answer was 1/3? So you were really impressed with the beauty of this proof?"

ibid.

"I shudder to think of what would happen in I did that with someone other than my wife."

Dunkley, MATH 135

" $2 \times 2 = 0$ . That's something you've never seen before, unless you've made a mistake."

Burger, MATH 135



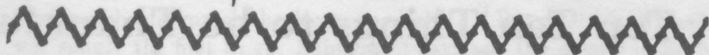
## Spam

I am a can of Spam.  
 I am.  
 A can of Spam am I.  
 A can of Spam I'll be.  
 I will.  
 Until the day I die.  
 I used to hang my head.  
 In shame.  
 The lowest of the low.  
 I'm not a pretty sight.  
 You know.  
 As far as lunch spreads go.  
 But, I'm the last to laugh.  
 Ha ha.  
 I'll hang my head no more.  
 For they have given me.  
 Yes me!  
 The job of senator.

Holy Spam Watman!



white space  
 of the week



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**The Official Pizza of mathNEWS**

## Not the Arts Section

*A Paper Review*

**L. L. "Cool" Done and the Imprints**  
*Trying to be Obnoxious*

by Leon Amor  
 mathNEWS staff

∫ ∫ ∂

Journalism is a noble and time-honoured profession that has always aspired to educate and enrich mankind's understanding of the human condition. And then there's Imp'tint. This campus birdcage liner\* is similar to a Tammy Faye Bakker make-over—overdone, gaudy and overpriced! The two redeeming features of this sexist, yellow journalistic sludge-rag are that it is printed on recycled paper and that it is mercifully produced (only) weekly. Save yourself time, kids: Read the tabloids in the supermarket line-ups instead!

## Vapid Fire

- The reunification of East and West Germany, due to happen this Wednesday, is already proving to be beneficial for the East. Recently released was an ad in the local news asking for willing participants for a pornographic film. This was not an ad put in by movies makers, but rather, one put in by fellow citizens for the purpose of some frolic and fun.
- Schools in the US are finally getting it right. The formally all-male private schools are now allowing the entrance of females into the system. The boys had complained about lack of companionship, and too many parents had been complaining of incidence of cross dressing in the homes.
- The Mohawk Warriors are opening up a new tourist attraction in Oka - "Skee-Golf". You are supplied with an M-16 and you receive points according to who you get on the golf course. High score is 12.4 million points by R. K. Noid, who managed to polish off three actual golfers, two middle managers and Saddam Hussein.
- A furor erupted at the University of Waterloo when Doug Wright threatened to stack the University Senate. The Senate was apparently trying to stall the new Computing Services Tax, which would levy a 7% tax on all computing fees and sales on campus. In other news, a Gallup poll taken on campus reveals that the popularity of the current administration has fallen to 14%.

## La Math

*Math From An Artsie Viewpoint*

Sitting in La Econ 102  
 Listening to La Wilton  
 Talking about La Money Demand  
 Waiting for La Break  
 So I can go up and see la rocking dudes  
 Putting together La mathNEWS  
 Wondering what La Hell I'm doing here  
 Who's La Keynes anyway?

Julia



## PMC kibbles & bits

and bits and bits

Welcome to another installment in the continuing saaaaga of the Pure Math Club. Here to keep you up to date on all the wondrous things happening this term.

First of all, our first talk, which will be held next Thursday, October 4, went splendidly. Please note the change: talks are now held on Thursdays, at 3:30 PM, in MC 4063, NOT Wednesdays. Prof Baker spoke on winding numbers, and torii were displayed and adored in great abundance. All in all, it was a splendid start to the PMC talk season. Up next on the batting list is someone who is not yet known, talking on an as yet undetermined subject, on October 11. And Paul Check will be talking about his experience as a student in the *Budapest Semesters in Mathematics* the week after. We'll have information available on the program, for those of you who might be thinking of going yourself. Also, Toronto's Ravi Vakil will likely be giving a talk soon, so stay tuned.

We're collecting together information on scholarships and opportunities available in pure math; drop by and have a look. We've got a large collection of math and related books for browsing. Come by and take a look. And remember that memberships are only available until October 12. For a mere one dollar, you too can become a member of the illustrious PMC. If you've signed the door, that's great, but to become an official PMC member, you must purchase a membership card for one dollar from our office at MC 3033 during our hours: 1:30 - 2:30 weekdays. Remember also that only full (ie: paid up) members get a discount at the fabulous upcoming PMC pizza lunch. The tentative date of October 17 still holds. All your friends will be there, sporting their bright yellow PMC member cards (signed by the president) and their multi-colour PMC sports wear, casually tossing back another slice and a cold one [ed note: PMC beer budget still pending]: where will you be?

Further to our open challenge of last week: it has come to our attention that a senior executive member of the Applied Math Club will imminently throw down the gauntlet and face us in a game of GO. Unfortunately, we forgot our monopoly board at home. We're not afraid, though. We're not afraid of anything. We're far too stupid to be afraid of anything. But that's ok, we have a plan. First we will learn the rules of this noble game. Then, we will learn the winning strategy. Then we will win, thus justifying our previous bravado and general ranting and raving. (Don't tell the AMC, but if anyone has an understanding of the rules and/or guaranteed winning strategy for this game, we would appreciate you dropping by and illuminating us.) It's tactics like this that make the PMC what it is today.

It has also been brought to my attention that the CSC has challenged us to luge. Yes, that's right, luge. It seems that they have some experience in this sport. Says "bob", a high-ranking executive co-chair on the vice-president's sub-committee on tea production, "every time the ol' sytek port goes down, i feel like upgrading our communication lines with an ax. But then I go out for a nice run or two on the ol' luge hill, and I feel so much better. Cures arthritis too!" So be it. We accept your challenge, you of the CSC, though we again suffer a handicap of ignorance. We remain confident of our ability to overcome any obstacle (as long as it isn't too taxing).

que es mas macho, smoking or staircase?

## The Gaoler

Any resemblances between people in this sketch and real people are here to parody existing people. Keep in mind that this is just a parody and mathNEWS will not pay my legal fees.

**The scene:** A dim subterranean cave. A slender, bespectacled figure sits hunched over a littered desk. Bizarre music from an unheard-of band floats through the air.

*Enter a tall, handsome figure (Paul).*

**John:** Paul, I need your opinion on this new piece I'm doing. Do you think that showing gratuitous pictures of genitalia will bring our readership up?

**Paul:** Well, it has been done before. Remember, more penises this time. We can blame it on... uh... that woman who wrote in.

**John:** Gotcha. Do we have any file photos of Kim Speers? I'd like to do a little superimposition with some of these brea... uh... works of art.

**Paul:** Whoa there. Let's not tempt the powers-that-be any further. Why not just suggest that she has something for you?

**John:** I did that last week.

**Paul:** Well, we've got to do something to boost our readership. Just remember: you can parody anyone if you claim that it's coincidence.

**John:** I think I'll just print more "art" again, and claim that it's a review.

**Paul:** Don't worry. With the apathy here at UW nobody will ever ask for their imp'tint fees back.

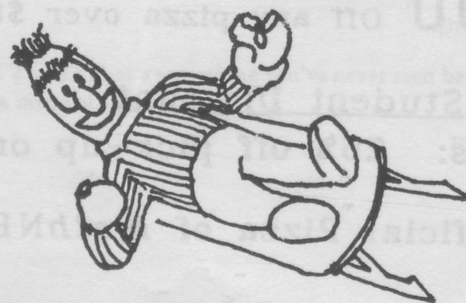
The bizarre music comes to a climax as the curtain falls on a maniacal display of sinister laughter.

Cat Who Deceives

## Top Ten Things to be Thankful for This Thanksgiving

10. Exams are 2 months away.
9. Madonna has not made a movie recently.
8. Johnny Carson only works 3 days a week.
7. Disco died (Please ignore attempts at resuscitation).
6. Ducks head south soon.
5. Dan Quayle is still only VP.
4. They didn't appoint Doug Wright to the Senate.
3. Jean-Luc Picard is no longer a Borg.
2. C+D coffee hasn't gotten any worse.
1. This is only a top ten list, and not a top twenty list.

Four Bee Prime





## Ultra Classifieds

I lost a wallet (yes, it was mine) on the third floor of MC. If anyone finds it, please be nice to me and turn it in to MathSoc.

Matthew

Trillium: Did you pass your ELPE?

Ford

Jenn: Nice breasts.

Jamie

Tanya, Grant and I have started to charge admission for your nightly strip show. We'll be waiting outside your bedroom window tonight. Don't disappoint us.

Curtis

## Cereal Killer Loose on UW Campus

A rash of brutal slayings has got the UW Kampus Kops baffled and breakfast eaters around campus terrified. In the last four days unsuspecting students indulging in their "petit déjeuner" before early classes have been poisoned.

The first body was discovered face down in a bowl of Corn Flakes outside the C&D. The victim, one Sal Monella, was pronounced dead at the scene. His face contorted in a mask of pain and his skin tones a lovely shade of magenta. The investigating officer said, "At the time we thought it was just a normal incident of overindulgence in C&D food, and he did match the decore so nicely . . . ' But poor Mr. Monella was simply the first to go. Subsequent days saw the demise of Sy N. Ide, a biology student; Art Scenic, an old lace major, and Bo Tulism, a football player. Each victim met his end in exactly the same way: poisoned while eating a bowl of Corn Flakes. mathNEWS has received the following anonymous letters. Could these be from the killer?

*These murders have been brought to you by the letters G and N and the number 19.*

Campus police believe this to be a reference to other cereal brands, and have warned students to stick to bran muffins until this psychotic killer has been apprehended. Our police contact printed out, "At least it will keep them regular."

Leon Amor  
Four Bee Prime

No money down! No interest! No payments! Pay nothing now and get

## No Merchandise!

Send us nothing and receive **nothing** by mail.

No salesman will call!

How can we afford to make this amazing, fantastic offer?

We have no overhead! No sales staff! No store space! No warehouse!

Come by and experience *no* parking problems! Why?

We have *no* products!

We sell *nothing*!

Don't miss this fantastic opportunity!

This offer expired yesterday.

## Squiz

Since we have gotten no response to last week's squiz, and because only one weekend was allowed for response, we are holding last week's squiz over to next issue. There will still be a new squiz this issue, and results from both will be published next issue. Now here is this issue's squiz.

### The Simpsons

1. What was the number of Santa's Little Helper?
2. What radio show was interrupted to announce the theft of the head of Jebediah Springfield's statue?
3. Who is Mr. Burns' assistant?
4. What is the bus driver's name?

### Lyrics

Identify the song and artist for the following lyrics:

5. Your kiss is what I miss when I turn out the light.
6. There ain't no way I'm ever gonna love you
7. And did you exchange a walk on part in the war for lead role in a cage?
8. She will carelessly cut you and laugh while you bleed.

### Misc

9. What is Ivana Trump's maiden name?
10. What is dancer/actor Gene Kelly's middle name?
11. What year was the roller coaster patented?
12. What date did the last U.S. ground troops leave Vietnam?

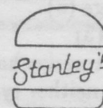
### Pseudonyms

Each of these people changed their name, and became known in the Pop/rock world. What are they better known as?

13. Marvin Lee Aday
14. David Evans
15. David Jones
16. Gordon Sumner

dag  
major

## The Stanley Burger Philosophy



At Stanley's we believe that each customer deserves a great tasting, wholesome meal. Every item on our menu is prepared the olde-fashioned way using only fresh, nutritious ingredients. Our burgers are made with 100% pure beef, all-natural spices, no added preservatives and are served on bakery fresh buns. We take pride in putting only the best into everything we make.

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(Across from WLU)  
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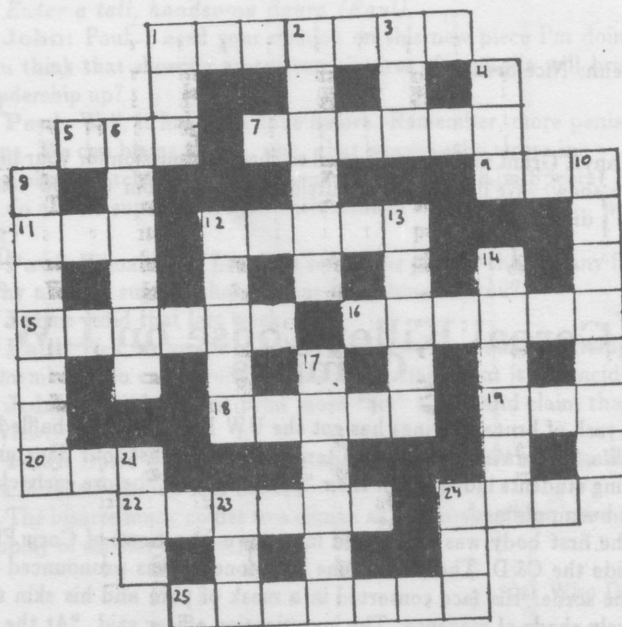
Expires 18 October 1990

## Grid Comments

Well, what can I say. There were a *lot* of problems with it last week, so we're re-publishing it this week, and giving you the normal two-week deadline. Give us your solutions by 15 October at 1830 in the BLACK BOX, or under the mathNEWSoffice door (MC3041). Have a day, and if you see my GridMaster feel free to shoot her for me.

The Editor (no really!)

Name: \_\_\_\_\_  
 Favourite colour: music at group  
 Comments: \_\_\_\_\_



## Cryptic

### Across

1. Supernatural wise men's halted cry (7)
5. Tormented Torme branches out! (3)
7. Quiet! Look curiously round! (6)
9. Short ledge, for a fairy (3)
11. Doze off in an odd place (3)
12. Moist note-pen (5)
15. Make a chewed-up pre-feline (6)
16. Mimic average rubbish (6)
18. Mothing short of disaster for feet (5)
19. Sedate fun (3)
20. Devotee (in an under-handed way) (3)
22. Too-sudden turn, confounded pig! (6)
24. Single person (3)
25. Seem to thrash, stroke, tear (7)

### Down

1. Relative in sham omnibus (3)
2. Coded note from torpedoed boat: Wicked! (6)
3. Ingested stirred-up beverage (3)
4. After spelling 'honey' ... (3)
6. Elopement tool shortens excessive happiness (6)
8. Fantastic beast in flipping neither symbol! (7)
10. Admirer, hold tight to dream (7)
12. Detached, vapid friends (5)
13. Ages in my ears (5)
14. Trail atop a serpent (6)
17. Water clothes, then ... (6)
21. Eccentric fruit (3)
23. Not cooked? Take it back, or do battle! (3)
24. Lightless, frozen age (3)

## Conventional

### Across

1. Precipitating
5. Mimic
7. Grinds
9. Manner
11. Objective pronoun
12. Moisten
15. Like a teddy bear
16. Centres
18. Passes
19. Each and every
20. Cease
22. Truly
24. Subjective pronoun
25. Snarled

### Down

1. Sense
2. Comfort
3. Opposite
4. Ember
6. Strut
8. Verified
10. ...-stop
12. Lanes
13. Dances
14. Tell
17. Cushion
21. Before
23. Expose
24. Like a clown