math NEWS

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math-NEWS CLASSIC

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Evolution of a logo...

mathNEWS

MATH News

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LookAhead

Cinema Gratis	
July 15	Manhattan
	The Purple Rose of Cairo
July 22	Caninabis
	Heavy Metal
July 29	Blinkity Blink
	Mona Lisa
Fed Flicks	
July 10-12	The Morning After
July 17-19	Nightmare on Elm Street 3
July 24-26	Burglar
July 31-Aug 2	Lethal Weapon
MathSoc	
July 18	Car Rally
July 31	End of Term Pub, Club 750
mathNEWS	
July 17-19	mathNEWS Frosh Issue production
July 24	mathNEWS Submission Deadline
July 27	Production night
July 31	Next mathNEWS out
Aug 14	dwarf writes his last exam

A Maudlin Farewell

All right. I've been putting this off for months. Much as I dread maudlin farewells (lousy title but it'll have to do) it looks like it's my turn to say goodbye in print. I have my BMath hot off the presses and I'm bound for grad school at Duke University in the god-ridden sunny south. As the crowd gathers in awe around me, I hear them plead, share your wisdom with us, O Wise One.

The Hindus had a point about not accumulating material possessions. Each time I move—and I've moved eleven times so far—I throw out more junk and yet cart even more of it with me. But the lightest and easiest things to carry are memories. I will remember the people I met, the times I spent with them, and the serious and silly things we shared. Names wouldn't mean much—you know yourselves, my friends—and to mention one would be to ignore another. And names are not to be taken lightly. In a far away place I will invoke them, a personal magic.

I'm surprised by how many of these people I met through mathNEWS. Cary Timar first encouraged me to contribute to this publication in summer 1983; Tom Haapanen indulged me as a regular staff writer in winter 1984 and supported me as editor in summer 1984; Rick Kuzell, Stuart Hodgins and Paul Obeda were some of those who held the post after me; Scooter's insights and friendship were invaluable; dan schnabel's talents continue to intrigue me. To Jane I owe much, not least for the beautiful article she wrote in Vol. 36, #5. To the other participants in the unofficial mathNEWS Lost Weekend '86—John, Rob, Bonita— don't be surprised if I write about it.

What did I enjoy most about mathNEWS? Writing for me is a pleasure and the ego trip of seeing it in print doesn't diminish. From offbeat serials like Nobodaddy, The Raj of Rochester and Doctor Heartbreak's Book of Love, through controversial articles about pornography and religion, to four years of obscure poetry, mathNEWS printed it all— thanks! What I miss most is the contribution of Slash Sinatra; when he wrote about music, culture or controversy—much better than I ever could—it struck a responsive chord, for he had a good voice and he was a friend.

How would I sum it up? I go out as I came in, sensing rather than feeling, contemplating rather than changing, trading experience for imagination, gambling wildly that, down a corridor, behind a neglected door, with the papers she will be there.

Tom Ivey
Bloomsday, June 16, 1987

MathSoc Honourary Lifetime Membership

The Honourary Lifetime Membership Award is presented to graduating math students in recognition of their contribution to the Mathematics Society and to overall student life throughout their undergraduate career.

Nominees must:
- Be graduating or have otherwise completed their studies.
- Have held any executive position in MathSoc.
- Have contributed significantly for most of his/her terms spent on campus. This includes not only contributions to math activities but also to other activities which have enhanced student life.

Nomination forms are available in the MathSoc office, and must be returned there when completed. Nominations must be received on or before July 17th.

Rich Trivett
MathSoc Director of Internal Affairs

Prez Sez

The summer term always seems to go the fastest. Midterms and co-op interviews are over, and we pause to take a breath as we realise finals are less than a month away.

A good time was had by all in Grand Bend. Waterloo took the Burgerfest tent by storm that night, as we won most of the prizes and definitely were the loudest. The tradition of the Wine+Cheese continued last weekend with an invasion of white togas at South Campus Hall. The Math Orientation '87 Committee came as part of their Summer Weekend, helping make the evening a success.

You can look forward to the MathSoc Car Rally before the end of the month. More importantly, MathSoc has the EOT Pub at Fed Hall on July 31. Yeah! (The bands aren't quite finalised yet, so keep your eyes open.)

The T-shirts are in! Get yours in MathSoc now. We apologise for the delay, but the demand far exceeded our expectations.

It is late, I'm tired and I can't think of anything witty and enlightening to end with, so Good Night John-Boy.

Bill Tilford

P.S. Marion apologised.

Edlines

The University of Waterloo is losing its focus. What began as an idea for producing well-educated graduates who could work in industry or do research in academia is turning in to a think-tank specialising in "mercenary research while-you-wait" with little regard for teaching.

Let me support this using press releases from the UW News Bureau. Of the ten releases that came to the mathNEWS mailbox in the past two weeks, four of them are about the formation of new research groups through the Ontario "Centres of Excellence" program, one of them concerns a new group formed by the University itself, another is about a research fellowship earned by a UW professor, and another details a $1.3 million grant to yet another research group. Only one report talks about UW actually helping the rest of the world by teaching it something: CIDA announced that accounting professor Efrim Boritz would receive a grant to teach Brazilian tax auditors computer and statistical auditing methods. Seven releases are about research at UW, and one release is about teaching, with money attached.

Research is important, and is a lifeblood of any university. However, a university is also expected to teach. Teaching should be at least as important as researching to a university. Research adds to mankind's body of knowledge (ignoring international disagreements on governmental and societal structure). Without teaching, this body of knowledge remains untapped and serves no purpose except the pleasure of adding to it, and it can only be added to by those who started it. If no one teaches, there is no one to pass the knowledge, the ideas, the hunches about future development, and the excitement of future research on to students—students who will be the researchers, inventors and teachers of tomorrow.

The developments at UW, especially within the Faculty of Mathematics, over the past six years are disturbing. Faculty members who enjoy teaching are being asked or pressured to do more research—research that will bring in more money. Researchers are leaving because they cannot find funding for their areas of interest at Waterloo, but the University hires researchers who will bring in research money and teach courses (generally) either grudgingly or ineffectively. The shuffling of classrooms, terminal rooms and offices to make room for research groups has also taken its toll, with the Pure Mathematics and Applied Mathematics departments coming out among the losers.

The money brought in by research groups does not help undergraduate programs. It goes to the researchers for equipment and other resources used to further their research, and supports some graduate students. When the research is complete, the neat, specialised equipment purchased with grant money is not likely to be turned over to the faculty for student use, but it is likely to be used for more research. Getting research money is good, but only if it is not going to detract from the responsibility of the university to teach.

Waterloo has just drawn several million dollars from government and industry for research in specific areas, areas chosen to attract the interest of those holding the money. This is why Waterloo does mercenary research—it appears that the University will come up with a research proposal for anyone, if the price is right. (Maybe a prostitute is a better analogy, but prostitutes generally have only one proposal.) Meanwhile, those that come to the University bearing only a few thousand dollars wanting to learn go hungry.

W. Jim Jordan

mathNEWS Subscriptions

Well, now that most of you know where you are working this fall, you can tell us where to send your fall mathNEWS subscription. All you have to do is go to the MathSoc office with a $5 bill (or equivalent), your name and work term address, and tell them that you want to get mathNEWS for the fall term. See what new and amazingly bad puns the other stream can inject into Watman! Watch how they struggle without Hymie as a cover artist! Agonise as Frank twists your mind with another cryptic Gridword! Get your mathNEWS subscription now. Only $5.00, while they last.

mathNEWS Frosh Issue

The annual mathNEWS Frosh Issue will be produced next weekend, July 17-19, in the MathSoc office. Anyone who is interested in helping with production and writing any last-minute informative articles is welcome to join the frosh production crew.

Attention 4A Grads-to-be

Now's the time to start thinking about nominations for the J. Alan George Award for Leadership and Contribution to Student Life. The award will be presented at the Math Grad Ball next winter to the graduating student who best satisfies the following criteria:

1. The nominee will have enhanced the profile of the Faculty of Mathematics on campus.

2. The student will have fostered communication between the Faculty, alumni, staff, and students.

3. The nominee will have made significant contributions to social aspects of the Faculty.

4. The nominee will have been dedicated to improving the academic environment in the Faculty.

5. The nominee will typically have served on Faculty and university-wide committees.

6. The nominee will have fostered communication and cooperation with the university administration and students of other faculties.

7. The nominee will have demonstrated an on-going effort in all years in the Faculty.

Nomination forms, which will require the sponsorship of 5 nominations, will be available in the MathSoc office next winter.

MGC Presents...

the yearbook
'88 Grads

News Flash!
Class of '88 Group Photo
Wednesday, July 15, 4:20 PM
Check display case for location

Photo Day
When? Wednesday and Thursday, July 15 and 16
When? 10:30 AM–1:30 PM
Where? In front of display cases
What? Bring photos of you and your friends!
What? (They will be returned.)

Sale of the Year
Buy your yearbook in the MathSoc office now! On sale until July 31. Yearbooks will not be on sale in the winter term.

Grad Photos
Yes, you can still get your grad photo taken! Sign up in the MathSoc office.

See the display case for further details.

CSC Flash!

It's consulting MADNESS... happening *now* in the CSC. We've got people doing 3, 4 and even 5 office hours. We're answering questions no one has even thought of yet. Come in to see us *now* and get a free cup of tea; you can ask us questions and even if you don't like our answers you can keep the tea as our gift to you. Drop by soon, couch space is limited.

But seriously... our ACM magazines have started coming in, so if you want to keep up with the latest "Communications of the ACM" come on down and ask for our copy. We've also got the SIGGRAPH and SIGPLAN periodicals. If you don't know what those are, come on over and ask us. You'll be glad you did.

-Rico (that pesky CS/EEE guy)

In the SAC

In our last issue, we asked you to fill out a questionnaire. We would like to thank the 26 of you who did. As a result, the data is statistically invalid. Oh well, I guess everyone else was caught up with Acceptance of Employment interviews. That's right folks, it's all over for another term. Don't forget to write to your employer (Canada Post willing), and confirm your start date.

Some things to remember when you get to your job: 1) Formulate some learning objectives; 2) Discuss your learning objectives with your employer; 3) Start thinking of a work report topic (remember, you need four of these). Speaking of which, if you haven't already picked it up, last term's reports are available to be picked up in the Undergrad Office.

And finally the best news. Don't forget to stop by the MathSoc office to get the Watpub number for an area near you.

Brian, John, Jim, and Paul
Your SAC Representatives

Summer Social Says

Well, the Summer term is officially over the hump, and the question remains: what are most of you doing to have fun? All the societies are noticing low numbers of people at their events, with the same people showing up and enjoying themselves. Oh well, hopefully this will change as the term winds down.

For those of you who haven't heard, The Box are coming back to Fed Hall on July 25th. MathSoc brought them here a year ago to what has been called the best pub (on campus) to date, so Ted and the Feds have decided to bring them back to try to do it again.

But we hope to make this year's End of Term Pub the unforgettable one of the two. On the official last day of classes, MathSoc is planning to bring both The Pursuit of Happiness and Total Strangers to Club 750. That's right, two for the price of one. Actually, two for less than the price of one if you compare it to the price of other pubs we know of.

Pursuit have already one hit from their solo record, *I'm An Adult Now*, which led to their winning The Most Promising Group of the Year at the CASBY Awards. They also won Group of the Year until the judges realised they screwed up. Total Strangers will be opening for Pursuit with their own cover from a wide selection of groups.

So start saving your pennies (or loonies) now to make your End of Term memorable and enjoyable enough to get you through those weeks following.

John and Sue
Summer Social '87

Feedback

Dear mathNEWS:
Have you gone underground? I haven't been able to get hold of an issue yet this term.

After three years, I finally have a schedule with no 8:30's. Are you depriving me of mathNEWS out of jealousy? As my morning classes are in other buildings, I don't get into the MC until 12:30 and all I see are people with satisfied smirks: "Hah! She missed it again!"

A couple weeks ago, I actually saw someone holding a copy. I almost grabbed it and ran, but better instincts prevailed.

Please, if you don't want to be responsible for turning a mathie into a sneak thief, print more copies or put some out later in the day.

Mathie going through Withdrawal

Dear Mathie:
mathNEWS *has not gone underground, and we are printing more copies this summer term than we ever have before. Approximately 1000 copies are set out on the Fridays when we publish. If you didn't get a copy, check the MathSoc office on Friday afternoon. There will usually be a few there. Remember, the early bird gets the* mathNEWS!

Love Is

Love is
someone with whom to share.

Love is
someone for whom to care.

Love is
receiving an ice-cream cone.

Love is
hours spent not alone.

Love is
being there for a friend.

Love is
being there til the end.

Love is
together for the mile.

Love is
getting her to smile.

Love is
giving life a twirl.

Love is
a very happy girl.

Love is
within me.

Love is
for thee.

Lovestruck

It's been worth the three-week wait...

Prof Quotes

The profs have exceeded even their usual levels of silliness this sesquifortnight. Maybe it's the warm weather. We at mathNEWS can always use more, though, so please send them under the door of MC 3036, or to the still-nice people in the MathSoc office. Well, I can't think of anything else as amusing as what they say, so it's over to them...

"Calculus is the language of Mordor."

N. Randall, ENGL 208a

"I'll have to watch what I say; it tends to get out in public."

P. Hoffman, MATH 234b

"Imagine that you have a telephone to God... God does not lie—this is a basic axiom of God..."

Charlie Colbourn, CS 466

"I don't know why Canadians like proving that P=NP. It's kind of embarrassing."

Charlie Colbourn, CS 466

"Nondeterminism is a powerful thing. Just the fact that I talk about nondeterminism and God in the same sentence shows how powerful I think it is."

Charlie Colbourn, CS 466

"Every prof blows this. We're all gonna get AIDS or something."

J. Vanderkooy, PHYS 122

"Ohhhhhhhhhhhhh shit."

P. Larsen (during CS 340 midterm)

"Artsie fartsie type people can make anything out of a Javex bottle: planters, hats for their kids, whatever."

J. McCutcheon, BUS 121

"After that, I jump out of the bathtub and run down the hall with no clothes on."

P. Hoffman, MATH 234b

"I'm too highly paid to do 2 × 2 matrix multiplication."

P. Hoffman, MATH 234b

"Was that intuitive? Did you feel heat on the right side of your brain?"

R. Brown, ACTSC 331

"What was the probability you were high when you wrote this?"

R.W. Olford, STAT 231

"I'm not really stuck . . . I'm stuck."

L. Dickey, PMATH 334

"How do you find an isomorphism? You just f it. See, graph theory is a lot of fun."

I. Goulden, C&O 230

"I've just gone ahead and went backwards a little bit."

I. Goulden, MATH 130B

"You can't drink negative beer—well, I guess you could throw up."

Prof. Forbes, MTHEL 102

"I'm sure that you stand at home in front of the mirror practising that look—that look so that the prof can't tell what you're thinking or whether you're thinking."

J. Mackay, MATH 134b

"If A wants to kill himself, then you should let him. If A wants to kill B, then that's all right too."

R. Aleliunas, CS 235

"You have to apply the function to something, even if it is nothing."

M. Van Emden, CS 443

"We don't need no stinkin' brackets!"

K. Booth, CS 140 M2

"Well, no, you can't... well; yes, you can... oh mumble, you can evaluate what you want, but it won't look like what you were thinking of."

K. Booth, CS 140 M2

"Due to the postal strike, the assignment is extended to one week from today. I do not give out extensions without a good reason."

F. Burkowski, CS 454

"You have to regard everything I say with suspicion—I may be trying to bullshit you, or I may just be bullshitting you inadvertently."

J. Wainwright, MATH 140b

"An interval is a set with the property that it contains anything between any two things it contains."

J. Baker, PMATH 351a

"Isn't that neat the way it comes out? Nyeee heee heee!!"

P. Hoffman, PMATH 344

"Get your square and your round brackets straight in your notes."

P. Hoffman, PMATH 344

"You can bring any calculator you want to the midterm, as long as it doesn't dim the lights when you turn it on."

Prof. Hepler, SD 182

"The average on the midterm was slightly disappointing. I'll try to do something to the final to let you stay in the honours program."

E. D'Azevedo, CS 372

"I could go up on observer 1 or go down on observer 2... let me rephrase that... I didn't say anything... if I see that in mathNEWS..."

R.W. Olford, STAT 331

Reserved Words We'd Like To See In A Computer Language

```
contemplate
consider
dream
verify_self
provide_meaning
repeat ... until bored;
test_for_termination
x
!
takeShortCut
sulk
fake_it
comefrom  (to replace the goto; for advanced programmers, the
          conditional comefrom)
convince_yourself

    ... and program excerpts ...

let a ≠ 1;
let epsilon > 0;
zero_precision x,y;
var z : not_an_integer;

x = notRandomNumber();
if( x==y or so) then maybe {
    x=t; t=y; y=x;
    }
else if (moon==full) then
    return home;
else
    t = round(sqr(t));
    /* round() and sqr() are inverses of each other */
endifyoufeellikeit.

type node = record
    data: universe;
    next: pointer to node;
    end;
var list_head: node;
    current: pointer to node;
begin
    current := &list_head;
    loop
      create( current.data );
      new( current.next );
    end;
    { the universe will end with an out-of-memory message }
    list_head := nil;  { paradise lost }
end.
```

Center of Gravity, and some of last term's CS 240 class

THE CONTINUOUS ADVENTURES OF

WATMAN

When we left our heroes last issue, the infamous Forrest van der Graph was planning to wreak havoc on the beautiful and idyllic campus of Watham City. He thought to himself,

"I want to become the world's most famous graph theorist by proving the Elegant version of the four-colour theorem: not only can any planar graph be coloured in at most four colours, it can be done so in four colours that don't clash. Hmmm... I'll need to conduct a feasibility study before I invest too much time... Perhaps... Yes! I'll use Watham City Campus as a testing ground! Well, that means Fed Hall has got to go; its blue roof is simply horrid! And ES2 will have to be destroyed as well. To my dastardly work, then..."

He summoned his assistant, the Amazing Kruskal.

"Come out of that tree! Grad students are too old for that sort of stuff!"

"But, Doctor, it's a self-adjusting binary search tree (like the one outside MC 3046)! Can't I play just a little longer? I think that with it, I can prove the n-colour theorem in $log\ n$ time!"

"Yes, but will those logs come from the same tree?"

"Naturally."

"That was a base pun, Kruskal."

"Sorry, Doctor, I have an acid sense of humour."

"OK, we'll stop overreacting and do something useful like eliminating those bean-counters who would deny us our $7,000,000 research grant, Watman and Duck."

So it came to pass that the Amazing Kruskal rallied a force of bipartisans who surrounded the Disjoint Duo with a strongly-connected n-cube. And they were verily trapped within that unbreakable fortress.

"OK, Duck, we're Primly and Properly locked in this cube. Now what?"

"Let's order a pizza. It's mathNEWS production night anyway, and I'm hungry. Look, here's a phone."

So Watman dialled the number for Little Seizure's. The phone rang, rang again, and then the operator answered.

"Hello, is this Little Seizure's?"

"No."

"Then you must be the operator?"

"Yes."

"Can I get a connection to Little Seizure's?"

"No."

"Do you always answer a question with a yes or no?"

"Yes."

"What kind of operator are you?"

"I'm a boolean operator." (Usually.)

So Watman concluded that, since his call was disconnected, and the n-cube in which they were trapped was made of telephone wire, they were free. So they stealthily removed a cut vertex and escaped.

"Now we must strike against Forrest van der Graph!" said Watman.

"You mean the postal union?" asked Duck.

"No, no, an air strike!"

They quickly jumped into their automorphism and drove back to the Watcave. They got into the Wathelicopter and transformed it into an isomorphic copy of itself directly over Forrest van der Graph and proceeded to drop Agent Orange on him. This effectively defoliated him. Watman observed,

"Look, Duck! The Agent Orange removed all Forrest's leaves! If we apply this procedure again, it will remove all his vertices which are now his new leaves."

"Yes, and not only that," Duck continued, " but since Forrest is only finite, if we use this procedure recursively, the algorithm is guaranteed to terminate, and in O(log n) time at that!"

So in a short while, Forrest was reduced to the null graph.

"What a pointless concept, Duck!"

"The idea of a tastefully-coloured graph, Watman?"

"No, Duck, Forrest himself, now that he has no vertices!"

#include <watman_standard_ending.h>

na-na-na-na na-na-na-na na-na-na-na-na-na-na WATMAN!

The Chuckler

The Return of the Curse of the Tomb of the mathNEWS Editor, Part 3.

When we last left our heroes the DCS Imagen had died and miraculously recovered. But Steve Smith returned to the scene of the accident which happened three weeks ago and informed Camille Goudeseune and Andrew Tron that it had died again. Rico Mariani diagnosed it as being irreparable. Not even a gentle touch from Sue Weprajetzki could get its attention. Bill Tilford tried a conservative approach and got nowhere. Tom Ivey searched long and hard for the words to say good-bye to it, and finally succeeded in getting a whimpered

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Revised Calculus Examination

Supersedes All Previous Calculus Examinations

The following was seen on a box of Colgate toothpaste: "New Colgate's tartar fighting formula is clinically proven both to reduce cavities and help prevent unsightly tartar build-up above the gumline. Hard, ugly tartar—*also called calculus*—can build up on teeth...".

I always knew that calculus was hard and ugly. It's nice to have this fact corroborated by an independent source. Anyways, I feel that the calculus exam should be revised due to this new discovery. So without further ado, I present the Revised Calculus Examination (supersedes all previous calculus examinations). This, of course, is an oral examination, and would go something like this:

Examiner: *So, how have your teeth been lately?*
Student: OK, I guess...?
Have you been brushing your teeth regularly?
Well, there have been discontinuities in my brushing habits.
Let me check your mouth then.... Hmm, I see some of that hard, ugly calculus.
How's that? I never see any calculus when I check my teeth.
I know, it looks just like enamel—it's hard to differentiate the two. But it's there and something must be done about it.
So what do I do to prevent my teeth from being immersed in calculus?
Brush regularly with new Colgate toothpaste—it's an integral part of an oral hygiene program. Remember: oral hygiene is a function of how much brushing you do, and in this case, it's a sinusoidal function.
Yes, but does it really work?
Of course it does! Colgate contains Substance X, which is a derivative of sodium fluoride. It will clean your teeth to a uniform, homogeneous white. In fact, there's no limit to how clean your teeth can be by brushing with this stuff. It can give you continuous protection against calculus.
I'm convinced. I'll go out and get some of this Colgate stuff.
(End of Examination)

Calculus—a subject you can really sink your teeth into.
Brought to you by the parity-errored mind of CYBERman

WATCOM
New Product Announcement

Waterloo microTuringMachine Simulator

(for IBM PC)

In a press release this week, Watcom announced a new hardware/software expansion package for the IBM PC. This, it is hoped, will bring some new life into this aging machine, so WATCOM will still have a market for their other products.

HARDWARE:
1 ∞-MByte bidirectional self-loading tape drive
    (average access time 30 ms)
1 ∞-KByte RAM expansion card

SOFTWARE:
Turing machine compiler/interpreter
RAM-resident implementation of Rogue (to keep you occupied while
    the 8088 tries to solve the Halting problem)
Turing tester (to verify that your program is indistinguishable from a
    simulated human being doing the same thing)

ACCESSORIES:
Turing machine tape:
1600 BPI: $1000 per spool
6250 BPI: $250 per spool
    (Although infinite-length, the 1600 BPI tape is four times less
    dense, so it is four times longer and hence more expensive.)
IBM PC emulator—so you can use all your favourite WATCOM languages!
Emulation of any computer or language will be done on request, subject
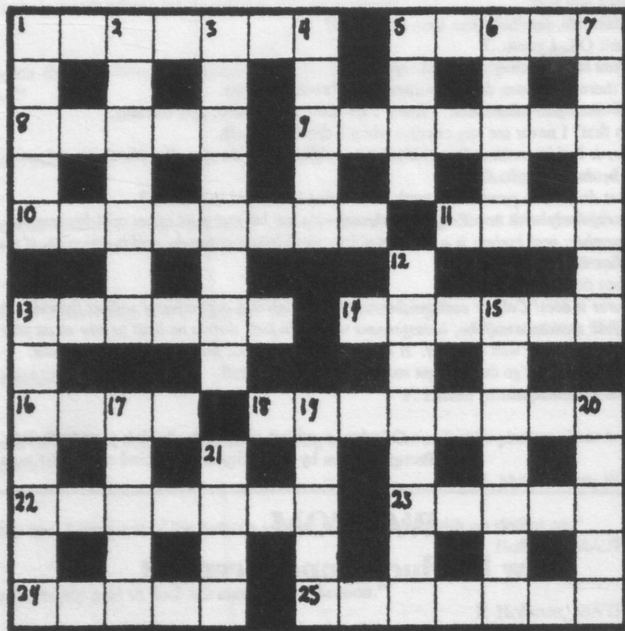   to the condition that we can find a co-op who knows it.

Center of Gravity

"Good-bye, forever!" out of it. John Herbert turned away in disgust, and Paul Obeda volunteered to buy mathNEWS their very own laser printer with MathSoc excess funds. (It's my dream; I can imagine whatever I want here!) Brian Capstick wanted to bring the whole matter before the Student Advisory Council, while Frank Letniowski learned a few new words to use in his next cryptic crossword. Brett Martin stayed away. Fred Walter stood in a corner, his mind in his own romantic world. Meanwhile, the mathNEWS editor sat mesmerised in front of an aging VC404, the effects of the vile brown-coloured coffee-smelling-but-not-coffee-tasting vending machine excretion wearing off rapidly, wondering when this nightmare of five weeks would end. At least he has good people on his side; otherwise he'd never make it through. Thanks to all. Apologies for the photo-reduced low-quality Printronix output, but when we have no laser printer, we do what we can. The next regular issue comes out on the last day of lectures—hang in there.

Sorry, Dr. Burkowski, but 454 assignments are going to have to wait. I can't handle them right now... -wjj

GRIDWORD

Viewer ....

Favourite Favourite ....

Comment ....

Cryptic

Across

1. Excess spending from 3 consecutive letters, the French here started taking (7)
5. Quietly, a lot was arranged by the philosopher (5)
8. A five is sick of profit (5)
9. The night before, sleep at the mountain (7)
10. A different handle of a certain small man also reversed this way (8)
11. IBM all sent back one with no angel attire (4)
13. The centre may retrieve the small one (6)
14. Declare tailless sorts of the bed for baby (6)
16. Fifty-love? All right then, watch out! (4)
18. Sail by dock with traveling papers? (8)
22. No permission about the loud country lawyer's initiation (7)
23. A small continent at which I direct identifications (5)
24. Shown on T.V.—artificial intelligence of the Communist (5)
25. Doubly rotated respect for the apparition (7)

Down

1. Sketched many an uncooked way (5)
2. Spineless, loud—the French cubic centimetre identification (7)
3. Small business on terra firma hesitates to be a strainer (8)
4. An article on the raised title of a British heat unit (5)
5. Don't post your first victim (4)
6. Place of contest to be a continent (5)
7. Through the door, head this way for the result (7)
12. Attendance softly about the strange scene (8)
13. A bad air of sickness? (7)
15. Entrance accessory may perform or have a dull finish (7)
17. Present of iron (5)
19. A raised seasoning of maps (5)
20. Mixed state of perception (5)
21. We initially earn degrees previously owned (4)

Conventional

Across

1. MEDICAL INSTRUMENT
5. MATHEMATICIAN
8. FREQUENT
9. SCOTTISH EMBLEM
10. CONFUSED
11. VERBAL
13. LIGHT SOURCE
14. BALLERINA
16. ABUNDANT
18. DISGUSTING
22. LONG JOURNEY
23. LIVED
24. GO IN
25. ABSOLUTE EXISTENCE

Down

1. TUMULT
2. CRAFTSMAN
3. CLIMAX
4. LIQUID MEASURE
5. SMILE
6. TOTAL
7. HYUNDAI PRODUCT
12. GATE-KEEPER
13. ARRANGE
15. DEADLY DISEASE
17. TOMB
19. SYNTHETIC MATERIAL
20. ADDITIONAL
21. CERTAIN RUSSIAN

The Edge of GridComments

When we last left the hallowed halls of GridComments, only 13 (Ack!) submissions had been entered and Alison & David & Fans of Ma Bell had won prizes. Also the comments of the week were lost in space. Stay tuned now for the continuing saga of "The Edge of GridComments".

This week, in a fit of utter despair, 31 crazed Mathies submitted GridWord solutions—14 of these Mathies were conventional types (with 6 not quite all there) and 17 were pretty cryptic. The tension was building as we were waiting for the discovery of the (dare we say it) winners of the week, who would go on to claim their prizes in the MathSoc office (MC3038). The (gold-coloured) Singloon is tossed and the winner is... AND NOW A WORD FROM OUR SPONSOR... Have you ever had classes on Friday and wanted to leave? Has life given you another of those BLAHH days? Did your prof just fall of the edge of the front of class for the 10th time this week? Well then, we have the answer to your problems... yes, that's it... read your mathNEWS. And now back to our regularly scheduled program... *Clang!* the coin hits the dirt and the winner is... cryptically Z36 (with Bozo Speedy Tomato) and conventionally Mr. Spiney. Wow what excitement... and it took less than a week to learn the truth!

We now learn that other people have been praying to win fame and fortune using the GridWord technique; that is by writing their names in the space provided and slipping a completed grid in the MathSoc office (MC3038) or under the mathNEWS office door (MC3036) by the deadline, Monday July 27, 1987 at 19:00. Who will be the next one to join the prestigious ranks of GridWord alumni? Can David and Anne Marie (previous alumni) make it back from their honeymoon in time to again rule the GridWorld? Tune in next time to find out.

These viewers of the week earn the honour of making it through a complete episode with no black marks to their name: FABn, Dave & Anne Marie (thanks for getting married (June 27) so you could contribute to "The Edge of GridComments"), Brenda & Gerda & Crockett, Randy Richard, Mike Lunney, James Cherry, Matt Harding, Gregsy & Melny, C. Fiesty & M. Nasty, Alison, Peter Found, Smurf, Burke Pond, Jeff Sumner & Juana Chang & (HS), Jeff & Ingrid, Mark & Julie, Homer Watson, Stubby, Ernie Miller, and Hammerhead. These viewers somehow fell asleep for part of the episode (shame on you!): Matt Harding, N & Z & W P, Randy Richard, Luke Robertson, SK & DL, and FABn.

Not too may wonderful Favourite Acronyms came in (most I have no idea what they stand for). Well anyway, here's some: SPECTRE, FTD and STP, FABn, N.T.B.A. (not to be abbreviated), Filed Under Carnal Knowledge (I quote from the submitter as source *'The acronym was written in legal records in 17th century but then shortened'*), S.N.O.T., A.D.I.D.A.S., EOT, SNAFU, UNICEF.

Now more comments from our major sponsors (yes, that's you): Our first one done (Finally!), Sorry this is a reused comment, Your mind is deeply warped (it can't be as deeply warped as someone who can figure out a person whose mind is deeply warped!), I'm still Gumby dammit!, Don't heat me, waste!!.

Okay, the episode is over for the issue, so get back to work!

fletniowski