

(continued from page 13)

Sitting quietly oozing into globbish tangled mud—clutter. Sickly coughing playing through my hair and wisping scum—mist from meager wavelet crests. No sun.

*Oh, Altimor, thy snowy crests are as the astral blaze to the eyeless earthworm, here. Thy glory even is as the knowledge of the stars. How long before thee must I reel amid death and sickness?*

Colder now as darkness comes. No stars; a grey mask swells above, meeting grey distant sea at grey horizon. Only a muffled redness where a fleeing sun abates. The swirl rises above me with the tide, lapping about my bared ankles. My feet disappear into black running mire.

Sometimes, there is no water here, when the winter comes and the ice is before me. Then it is much colder. But it is not ice now, but oil and filth and dead water that flushes about me. (I have not moved for a long time. I think I remember a time before when I would move; but I am not sure. I do not move now.)

*Speak to me, Altimor, to say the truth to them that know not that there exists a world. Is not the flight of the wind further than the mind that feels it? Are the dawns of thy eastern shores only the hope of forgotten time? Show me thy face ere my soul sees only the darkness and thy light pass by me shrouded in the haze of despair.*

Thank you, Graphic Services



Merry Christmas  
and see you next term!

Tuesday, December 5th, 1978  
Volume 18, number 10



# math

67



## mathNEWS QUESTIONNAIRE

Here are the results of the questionnaire run on Monday, November 27th, in the 3rd floor main hallway. It said to rate certain articles on a scale of 1 to 10, but I accepted zeroes because I had intended to allow them anyway. Anything outside that range was truncated. There were 55 responses after trimming out obvious ballot-box stuffers like Collins and the pre-frosh, which is lousy but what can you do? The results were divided into three ranges: lousy (0-3), average (4-6) and good (7-10). The format below is: name (% responded) - average rating: %lousy / %average / % good.

1. Merely Mediocre Trivia Test (80%) - 7.159: 11.4/ 11.4 /77.2

The sleeper of the year, and whod'a thunk it?! JR, Ashok and Kevin are thrilled. It just goes to show that the real purpose of mathNEWS is trivia.

2. Gridword (76.3%) -6.785: 7.1/ 35.7/ 57.2

*comments: too cryptic, too hard!* aw, come on, can't tak it? Andrew has done a fine job; the quality of grids has gone up and while we may be getting less submissions I'm sure people are enjoying it more.

3. Tiny Graphix (67.3%) -6.649: 16.2/ 29.7 /54.1

Thanks to kathy & phil for helping to fill those annoying blank spaces.

*continued on page 69*

## MATHLETICS

The only sport still to be decided is hockey. It will be over by the time you read this, as will be the MATHLETICS Banquet, and the term for that matter. Time, space, and exams prevent a gigantic wrap-up, so if you want to find out anything in particular, just ask about it.

A special thanks to all those who played on Math teams this term. Through your efforts Math has been awarded both the Townson participation and the Fryer competitive awards. To the best of anyone's knowledge that has never been done before in Math's history.....congratulations.

Hopefully everyone had a good time during their season, got a chance to meet a few other Mathies and, most of all, had fun!

Doug McInroy

P.S.-We start all over again next term, so watch the board and sign up early.

And now, the long awaited return of

## BAKKERS DOZEN

After my three week absence, I have a lot to catch up on; so, without further ado....

The reason I missed last week's column was because I was in T. O. watching *The Lord of the Rings* instead of in Waterloo at the production meeting. Speaking of *Lord of the Rings*, I was very impressed by the animation. It really seemed to fit the characters, and although there were minor differences between Tolkien's descriptions and the movie's interpretations, these did not detract in any way from my enjoyment of the film. However, there were some major omissions in the plot. The four hobbits travelled along the East Road to Bree without having to go through the Old Forest and the Barrow Downs and being rescued twice by Tom Bombadil. Also, although Gollum trailed the party from Moria until he caught up with Sam and Frodo in Mordor, he came out of nowhere in the movie and led them straight to Cirith Ungol instead of passing by the Black Gate. They also omitted the meeting with Faramir in Ithilien, a very important part of the book. The movie splits the book into two parts (it appears that there will be 2 parts, there may be 3 but I doubt it); so, perhaps we will see more of Merry, Pippin and the Ents in part two. In spite of the criticisms, I think that only a real Tolkien freak like me would be bothered by the items I've listed, and those who haven't read the book at all will really enjoy it (if fantasy interests them). I found the trip well worth the time in any case.

Last Saturday, at the Naismith Tournament, I saw the BEST basketball game I've seen in ages. I am speaking of the Championship game which Waterloo lost by a single point to the Acadia Axemen. Their second half comeback (from a 21 point deficit) was one of the most incredible feats ever. The team and the fans were confident of victory as the Warriors pulled within 5 points and then took the lead late in the game. The PAC gym filled with noise at every Warrior basket and every defensive turnover. I really thought they deserved the victory, but it was not to be. Acadia scored to narrow the lead to one point with 21 seconds left to play and then, after a highly questionable call by the referee (one of many which went against the Warriors all game), sank the winning basket with 16 seconds left. Even then the Warriors almost managed to pull it off, but Pat Brill-Edwards (who played brilliantly throughout the tournament) bounced a shot off the rim as the clock wound

down. It was a heartbreaking loss, but, if the calibre of play in the tournament is any indication, the Warriors are in for a great season.

### Epitaph of the Week

Here lies Jason Maces  
Who once played poker sharp.  
Until he played five aces.  
Now he plays a harp.

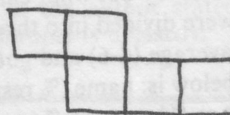
**PUZZLE SECTION** The answers to the last puzzle (if you remember, it appeared November 3) are as follows.



Remove the dotted lines to get the three triangles required. Also, arrange the 4 long and 4 short toothpicks like this to get three equal sized squares.



And now, the new puzzle. The following pattern of matches can be changed to form 4 equal squares by moving only two matches. The answer will appear elsewhere in this issue.



That's about it for this term. There are a few people who must be mentioned as contributors to my enjoyment of it and they are:

Geoff Hains for weekends at his place, Rob Collins and John (Fuzzy) Ellis, Kathy Kropp (the Mathie from Kalamazoo) ACPatel and Kevin Martin (the photon twins), Barbara Meed (my pseudo wife), the Math Seahorses inner tube water polo team, Erin Newell (and Cleopatra) and Rosy Bernath, Kim Boyle, the Mathsichists broomball team, Phil Kelly, eksiegerman, Ken Dykes, Prabhakar (editorial control) Ragde (and Napoleon), Countess Katya (and Josephine) (who I almost forgot), Rachel Capstick (and Claire) (from beautiful Guelph), the Carricks (out of town friends), Walter the Frosh, Stan (the Man) Mikoluk, Jill Kilpin, Rosalee (my CS180 tutor), David DeBruyn, Karen Rooke, Jo Richard, Brian Gregory (baa!), Prof. Nash in ES111 (a great guy, but the course was more work than I expected), and, last but not least, Jan Grey (my son the pre-frosh). May fortune smile eternally upon all of them, and all of you, too.

James R Bakker

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	P	A	R	T	I	A	L	F	R	A	C	T	I	O	N	S
2	R	E	C	D	I	O	R	O	P	T						
3	O	S	P	R	E		L	T	E	N	D	E	A	R		
4	C	L	E	O		U	N	E	A	S		O	R	C	A	
5	R	I	T	A		C	A	S	T	A	R		M	A	R	
6	A	C	I	D		C	P	I		I		E	T	O	G	
7	S	E	T			A	H	A	O	N	E			I	S	
8	T	R	I	C	E		C	N			F	R	O	S	T	
9			V		C	O	R	E	S	I	Z	E		N	F	
10			E	A	C					E	R	A	S	O		
11	A		R	E	M		B	I		A	R	C		U	R	
12	T		S	I	N	S		I	N		L	Y	R	E	W	
13	I	S	L	E	T		L	O	S	E		B	I	B	L	
14	O	E		L	R	S		N	I		G	O	D		O	
15	N	E	T		I	T	S	I	T	A	S	A		D	A	
16			M	I	S	C	A	L	C	U	L	A	T	I	O	



continued from page 67

4. Unclassified Ads (56.4%) -6.421: 13.1/ 31.6/ 55.2

I guess this means you don't mind the joke ads we put in from time to time.

5. Honest-to-God news articles (56.3%) - 6.354: 16.1 /25.8 /58.1

*comments: where?(4) what are they? where are they? never saw one!* No, really, we do run news occasionally; though, as someone said, we can't go out and get it; it has to come to us.

6. Feedback (76.3%) -6.285: 11.9/ 42.8/ 45.3

*comments: seems a convenient way to generate filler* actually, we get very little of it, which is too bad, because it helps us to know what's going on out there. More people could use the mail system on the Honeywell.

7. Large Cartoons (72.8%) -6.075: 22.5/ 22.5/ 55.0

Thanks to our mysterious cartoonist CW or WC, and also to S.H., who hasn't contributed since last term and we hope he will again. We've got a backlog of these, so you'll probably be seeing some next term.

8. Continued From Page 13 (52.7%) - 5.931: 20.7/ 31.0/ 48.3

*comments: has this appeared?* yes it has, although some of the ones I did were un-titled to distinguish them from Phil Kelly's. Phil has had little time to write these gems; hopefully he'll put a few more out in the future.

9. Quote Of The Week (72.8%) -5.850: 22.5/ 32.5/ 45.0

*comments: too inside; if this is the comments pencilled in margins,* I don't like it. they've all been quotes from famous people this term, so don't give me that rot. The marginal comments are mine, result of frustration and tiredness. I'll try to cut down.

10. John Gross' front-page articles (47.3%) -5.846: 19.2/ 34.6/ 46.2

This really should be part of Athletics, but since John has bribed me to put him on the front page for six consecutive issues, I decided to extort a little extra to put him into the questionnaire.

11. Athletics (78.2%) -5.810: 18.6/ 32.6/ 48.8

*comments: too much(2) true,* we do depend a lot on athletics for bulk. But it is probably the most successful of the Mathsoc-funded activities, and people do like to hear about intramurals.

12. Bakker's Dozen (70.9%) -5.769: 25.6/ 20.5/ 53.9

The most highly rated of the personal columns, also the most trivial. Why do you people encourage him??!

13. Masthead (76.4%) -5.547: 31.0/ 21.4/ 47.6

*ha! this week's in club and jokes; have not seen an amusing one* this term. Masthead is our means of filling irregular spaces, thanking people for showing up, and generally attempting to capture the mood of that particular evening. Yes, it is the only place in the paper with in-jokes, but it's probably going to stick around in its present form. What do you consider amusing?

14. Marcia Mathie (89.1%) -5.388: 30.6/ 28.6/ 40.8

*comments: worthless* Dear Marcia Mathie is a transplanted version of Dear Melvin Snidhofer, which was the biggest hit of my high-school newspaper in my last year. It was also an attempt to create a mythical character like the engineers' Connie Lingus. It wasn't nearly as successful, partly because of lack of ideas, partly because of lack of time. I farmed it out to Rob Collins and Kate Cross for a while and then took it back and tried to do it National Lampoon style, but it didn't catch on. It'll probably be retired. Someone commented that we needed better letters. You should have seen the ones that didn't get in.

continued on page 70

Applications are invited for the position of mathNEWS editor for the winter term, January to April 1979. Hand in written applications to the Internal Affairs Director c/o Mathsoc.



## WATSFIC PRESENTS

As some of you may have heard, Watsfic led a mass exodus to Toronto last week to see the animated fantasy "Lord of the Rings". I was originally intending to write a review of said spectacle, but having been stricken by a marked resemblance of the movie to campus life, I got a better(?) idea. Here then is the UW version of "Lord of the Rings" (Part One).

Long ago in Median Earth was forged a tool of great power, the One Tool to rule them all. Lord of the Tool was the evil Burt Sauron, who used its powers in an attempt to impose cutbacks on all of Median Earth. But Sauron lost the Tool in a great battle. However, the Tool was not destroyed, rather it was lost for thousands of years, so Sauron's spirit lived on.

Many years later, the Tool was found by Jan Gray, who also turned its powers to evil, forcing his inane drivel upon the people, who grew to hate him and named him Gollum. Gollum was finally cast out into WLU, where he lost the Tool to Bilbo Hains. Bilbo in turn handed the Tool down to his nephew, Frodo Malton.

Sauron discovered that Frodo had the Tool, and sent his dreaded Chevrot Tool Wraiths to recover it for him. Fortunately for Median Earth, the great Gandalf Forbes and the redoubtable Aragorn Bezoff aided Frodo in his escape from Renison to M&C where the council of Mathsoc met and decided to form the Fellowship of the Tool, which would attempt to destroy the Tool by returning it to the vat of its brewing in the land of Labbatts.

Meanwhile, Gandalf had sought the aid of Saruman McLaughlin. But Saruman had succumbed to the allure of the Tool, and eager to rule Median Earth was already massing his hordes of orc-engineers under the command of Wormtongue Johnson. Saruman ensured the loyalty of these standard deviates of Median Earth by promising to turn Median Earth into an enormous brewery-cum-whorehouse where everyone would ride tricycles.

The Fellowship of the Tool, consisting of Frodo, his friends Sam (JJ) Long, K.G. Pippin, and Merry Collins, Gandalf, Aragorn, Boromir DeBruyn, Gimli Post, and B.J. Legolas, set off for Labbatts via the perilous mines of Village 2, where they met Fuzzy the Balrog. Gandalf fought the Balrog and was pulled down with it into the depths of Village 2.

After the loss of Gandalf, the Fellowship ran into the orc-engineers, who killed Boromir and took Merry and Pippin. The remainder of the Fellowship then split, Frodo and Sam

cont. on pg. 70

continued from page 69

15. Collins Mix (65.4%) -5.194: 19.4/ 41.7/ 38.9

This disappeared at mid-term due to overwhelming amount of work and lack of things to say. It'll likely be back next summer.

16. Federaction (60%) -5.121: 36.4/ 36.4/ 27.3

*comments: what?; mercifully absent; yawn.* JJ's column, one of the longest-running things around, didn't appear too often this term mainly because of my policy towards political commentary. He's going to try again next term, so watch for its reappearance.

17. RRIM (65.4%) -4.945: 38.8/ 11.2/ 50.0

*comments: not often enough; last two have been particularly excellent!* Well, thank you. the RRIM's this term have been sporadic due to lack of inspiration, and not nearly as good as the serious four I did last winter. It seems to be either loved or hated, no middle ground. I don't think it's very suitable for **mathNEWS**, or Non Compos Mentis, and it probably won't be appearing again.

18. Illuminations (27.3%) -4.945: 26.7/ 40.0/ 33.3

This was another brilliant idea that went nowhere; a column by a frosh to other frosh, just letting them in on all the neat secrets we take for granted, like the existence of tunnels and the discount at Tony's. No one could be bothered doing it.

19. Zap!! (60.0%) -4.636: 33.3/ 30.3/ 36.4  
Courtesy of former editor Dennis Mullin with assists from myself and Mario Milosevich, this book review column tends to appeal to a small minority.

20. WATSFIC Presents (65.5%) -4.472: 38.9/ 41.6/ 23.7

WATSFIC's presented much more this term than usual, but again it's a minority special interest. Tke heart, Mr. Bezoff.

21. ETAOIN SHRDLU (72.7%) -3.675: 57.5/ 10.0/ 32.5

*comments: too biased; awful; too opinionated.* Hell, I really thought this was one of the best non-political columns I've seen in quite a while. Shows how well I can gauge public opinion. Mr. Pattison is a co-op student, so you'll be rid of him for a while.

22. IPR (25.4%) -3.214: 35.7/ 35.7/ 28.6  
One-time unadulterated filler. Sorry, Steve, but someone had to be last.

New features requested or demanded:

more humour, something other than garbage; a real newspaper layout (*rumour has it that the first issue of next term will be a tabloid issue in the style of the other campus papers*); more dirty jokes; recipes, horoscopes, less filler (*what do you call recipes and horoscopes*); opinion surveys (*our experience is that people don't bother responding*); a hack column (*find someone to write one with the faintest hint of general appeal and it'll probably get in*); the name **mathNEWS** is not very suitable (*I agree; what do you suggest?*); news reporting on Faculty committees (*excellent idea! maybe the students that sit on these committees can make reports. How about it, people?*); more campus news; get rid of these shitty stories that don't make any sense (*if you're referring to cont. from page 13, you, sir, have no taste*); get a bit closer to what it used to be; news, relevance, content; more pages; how about some math? (*I've been doing Mathematics For A Friday Afternoon whenever I've had time, forgot to put it on the questionnaire*); no politics!; change in editor (*that's easy to grant*)

more features such as CS330/1 vs CS340 screwup (*didn't hear about that; what happened there?*); generally more intellectual content (not rarified academia); have a column similar to Imprint's Perplexia (*good idea, and Herman D.L. Night is a Mathie, too! Any volunteers?*); do not change; announcements or events should be grouped together (*ah, but they fit so well into those little spaces*); regular 'events' column would be a good idea; hard to read because it is printed on both sides of the paper; more honest-to-God news articles; try to get a better logo, the old one is drab and boring (*I agree; a good design would convince staff and then we could do something about it*)

The average contents received a rating of 5.90 (17.5/ 30.0/ 52.5), which ain't too good. The layout got 6.697 (11.6/ 27.9/ 60.5), which is really gratifying. This is the one I know we've improved in, using Letraset tape to block columns and having someone on staff who has actual layout experience. Someone commented that the cover of issue #9 sucked, and I make no excuses; after about 45 mins. of juggling all

continued on page 71

cont. from pg. 69

heading for Labbatts with the Tool, while Aragorn, Gimli, and Legolas pursued the orc-engineers. In their pursuit of the orc-engineers they met Gandalf, who had miraculously survived his fall into the depths of Village 2.

Having learned of Saruman's plans to assault the Campus Centre with his orc-engineers, Aragorn, Gimli, and Legolas went there to help with the defence, while Gandalf ventured forth to enlist the aid of the Riders of Fortran. The orc-engineers attacked before Gandalf's return and breached the defences of the CC. However, Gandalf and the Riders of Fortran showed up just in time to cut down the orc-engineers who fled in panic, leaving the CC in relative safety.

End of Part One

gvbezoff

President Watsfic

aided and abetted by:

mjsutton and drew post

## MERELY MEDIocre TRIVIA TEST

Dedicated to Sherry, Mort, and the other good people at Pizza Pie.

It's been almost a month since our last appearance and, judging from the ratings on the **mathNEWS** questionnaire, we've been missed. So, onwards and upwards.

- How many (route 7) bus stops are there on campus?  
a)3 b)4 c)5 d)6 e)7
- Where is room MC3040 located?
- How many "J J Long"s are there on Campus?  
a)0 b)1 c)2 d)3 e)TOO MANY
- What is the last name in the student directory?
- How many Cribbage boards does Mathsoc have?  
a)6 b)9 c)12 d)3 e)0
- In what building is the Eng Soc office to be found?
- How many "mail slots" are there for Mathsoc COUNCILLORS.  
a)15 b)12 c)16 d)18 e)20
- How many sides does the Mathsoc office clock have?
- How many signatures appear on Mathsoc cheques?
- How many rooms do the Chevron offices take up?



# ETAOIN SHRDLU

I'm not really in the mood for a major think piece this week, (must be the weather) so I think I'll just ramble on for awhile, tie up a few loose ends from previous columns, and say farewell to a few old friends, and some new ones as well.

For the past several months, CFNY-FM has been running a contest called The Planet Earth Express. The prize was a free trip around the world, and to win it, all you had to do was name the 4 most significant albums of the past 20 years, as chosen by CFNY. Someone finally won it, and it turns out that the four album were *Elvis' Gold Records* by Elvis Presley, the Beatles' *Revolver*, *Electric Ladyland* by Jimi Hendrix, and *Switched On Bach* by Walter Carlos. I can see why each was chosen, but they're not the same 4 I would have picked. To say that any one of those 4 was more significant than the Beatles' debut album, *Sgt. Pepper*, *Tommy*, or *Woodstock* is a gross injustice, as far as I'm concerned.

Battered Wives have changed their name again, back to Battered Wives. They're forming an organization called Rock Against Repression and they'll be staging a benefit concert sometime next year, with the proceeds going to a civil liberties group. Meanwhile, the Keith Richards' benefit is shaping up to be a Major Event. Several British rockers, including Rod Stewart, Pete Townsend, Eric Clapton, and Elton John have indicated their willingness to perform at the concert. It remains to be seen, however, if any of them will actually appear. The concert should be sometime in April or May next year at Maple Leaf Gardens. In the meantime, the government appears to be going ahead with its plans to appeal Richards' light sentence, although I fail to see what they hope to achieve.

TVOntario surprised me recently by answering one of my letters in under 6 months. It seems that the broadcast rights to *The Prisoner* have expired, so the network won't be airing the series

again. So if you were planning to plant yourself in front of the TV each Sunday night at 8:00 next winter, as I was, then you might just as well watch *Battlestar Galactica* instead.

Regular readers of this column may have gotten the impression that I'm a Bruce Springsteen fanatic. I am, but I don't live by Springsteen alone, as some anonymous gremlin indicated at the bottom of last week's offering. I am also a *Mary Tyler Moore Show* addict, and suffer severe withdrawal pains if I go for more than a day or two without seeing an episode. I recently saw the final one (for the third time) and it reaffirmed my opinion that it is one of the finest half hours of film I have ever seen. The script was just a little corny, but the acting, particularly MTM's and Ed Asner's, was just about the best I've encountered. The show should be coming up on Channel 5 again in the near future. Don't miss it.

Having said all that, I want to add a few farewells to some people I probably won't see again during exams. First, there are some fellow co-op students who are bound for various distant locations, which means I won't see them until next May. So if I don't see you again, good luck to Prabhakar (why anyone would want to spend the winter in Chalk River is beyond me), Paul (why anyone would want to spend the winter in Ottawa is also beyond me), Jayne (you owe me a supper), and Sandy (a fellow Wingnut who probably won't see this).

There are also a fair number of people who will have graduated by the time I return, so I don't know when I'll see them again. Included in this group are Wayne (I should have gone to Africa), Cyndy (good luck with algebra), John (Be Seeing You), Mardi (another fellow Wingnut), and John and Will (the Pinball Wizards). And finally, a tip of the hat to Ashok, who photoned this mess each week.

Thank you, and good night.

Jim Pattison

anonymous gremlin, indeed.

mathNEWS subscriptions for people who will be off campus next term, you may have mathNEWS mailed to you. Cost is \$1.50 for postage. We promise service will be better than last year.

HELP!!! subscription editor for mathNEWS needed for next term. Easy job. No worries. Suitable pay. Ask us.

continued from page 70

those tiny items and trying to find a balanced form, I decided to see how many layout rules I could break out of sheer perversity since Karen Rooke wasn't there that night.

People thought the political content of mathNEWS was:

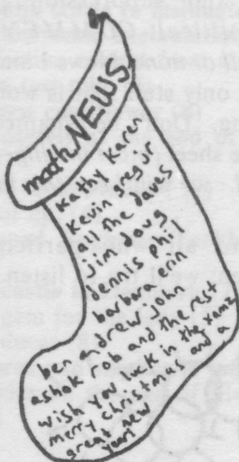
- much less than necessary 15.5%
- less than necessary 26.7%
- adequate 33.3%
- more than necessary 20.6%
- much more than necessary 4.5%

which you can interpret however you want.

Finally the general comments, and there were a lot of them.

mathNEWS stinks (*really constructive*) news is nicely balanced with humour & reviews, very entertaining and informative; since arriving here in 9/75 I have watched the deterioration of the campus newspapers. Hopefully this nonsense about political content will not serve to ruin mathNEWS also; what about prizes for submissions for article of the week? (*bribery??!*) ;you've shown great improvement this term relative to the last 3 terms; if I want news I read the Chevron, Gazette or KW Record ; I always thought that mathNEWS existed for fun. (*we need more like you*) ;cut out the private jokes (*honestly, I've tried!!!*) ben lutek's limericks are good (*damn, forgot that too*) considering the fact that the staff is voluntary I think you do an excellent job. A greater quantity of 'general interest' articles would be beneficial - how about more contests? (*don't work - people don't enter*) boring; would like to see more issues like the special frosh issue (*so would we!!!*) ;keep it coming; on the whole the paper stinks and it has gotten much worse lately. Personally I think mathNEWS gives Mathies a bad name. I don't give a damn what you think about the Chevron, so drop it, will you!; mathNEWS has the right attitude politics-wise but it is unfortunate that a lot of articles in the paper are much too opinionated and others are hard to relate to unless you're in the 'mathsoc clique'. mathNEWS has the potential to be a dynamite paper... still my favorite paper to read because there's no Chevron politics in it; keep on truckin'; Calculus Kid, I am trapped in Multivariate Land. (*several Calculus Kids are written and have been for at least three years but no one wants to type them in*) want more gridwords!;

continued on page 72





## FINAL EXAM

This document was recently leaked to us from somewhere but we're not exactly sure where from. Our source informed us that it is to be the entrance exam for next year, replacing the ELP test. If the Chevron can leak things, so can we!

**Instructions:** Read each question carefully. Answer all questions. Time limit: four hours. Begin immediately.

**HISTORY** - Describe the history of the papacy from its origins to the present day, concentrating especially but not exclusively on its social, political, economic, religious, and philosophical impact on Europe, Asia, Africa, and America. Be brief, concise and specific.

**MEDICINE** - You have been provided with a razor blade, a piece of gauze, and a bottle of Scotch. Remove your appendix. Do not suture until your work has been inspected. You have 15 minutes.

**PUBLIC SPEAKING** - 2,500 riot-crazed aborigines are storming the classroom. Calm them. You may use any ancient language but Latin or Greek.

**BIOLOGY** - Create life. Estimate the differences in subsequent human culture if this form of life had developed 500 million years earlier, with special attention to its probable effect on the English parliamentary system. Prove your thesis.

**MATHEMATICS** - Prove one of the following:

- 1) Fermat's Last Theorem
  - 2) The Four-Colour Problem
  - 3) The transcendental of pi
- You may use a copy of the CRC Tables and a programmable calculator. Slide rules are not allowed.

**PSYCHOLOGY** - Based on your knowledge of their works, evaluate the emotional stability, degree of adjustment, and repressed frustrations of each of the following: Alexander of Aphrodisias, Ramses II, Gregory the Shepherd, Hammurabi. Support your evaluation with quotations from each man's work, making appropriate references. It is not necessary to translate.

**SOCIOLOGY** - Estimate the sociological problems which might accompany the end of the world. Construct an experiment to test your theory.

**MUSIC** - Write a piano concerto. Orchestrate and perform it with flute and drum. You will find a piano under your seat.

**ENGINEERING** - The disassembled parts of a high-powered rifle have been placed in a box on your desk. You will also find an instruction manual printed in Swahili. In 10 minutes a hungry Bengal Tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decision.

**ENGLISH** - Write a best-selling novel of not less than 50,000 words, with at least three different styles, eight major characters, brilliant structure and motion-picture possibilities. Sell it to a Hollywood studio for not less than \$100,000 and a bit part.

**POLITICAL SCIENCE** - There is a red telephone on the desk beside you. Start World War III. Report at length on its socio-political effects, if any.

**EPISTEMOLOGY** - Take a position for or against truth. Prove the validity of your position.

**PHYSICS** - Explain the nature of matter. Include in your answer an evaluation of the impact of the development of mathematics on science.

**PHILOSOPHY** - Sketch the development of human thought; estimate its significance. Compare with the development of any other kind of thought.

**GENERAL KNOWLEDGE** - Describe in detail. Be objective and specific.

For extra credit, define the Universe, and give three examples.

Now that we've given you all the questions, if anyone fails next fall, they obviously didn't deserve to be in this University in the first place.

### Answers to MMTT

1. d)6 count the one on Columbia near Optometry.
2. It is the north half of the Mathsoc office.
3. c)2 although some may argue that even the ONE we know is too many.
4. T. Zyvitski, a second year Engineer.
5. b)9
6. Engineering 4.
7. a)15
8. 8 sides.
9. 2 just like most corporate cheques.
10. Believe it or not, 12.

~~~~~  
**CREDITS:** I refuse to allow anyone but me to take the ~~win~~ credit for this one.

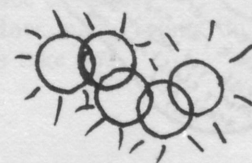
Ashok and Kevin photoned it. I dreamed up the questions and typed it. Barbara watched and helped with the spelling. See you next year when I will use REAL trivia. Merry Christmas from JR Bakker and the Obvious Facts Commission.

*continued from page 71*

should have more articles which can be run without a byline; (*agreed, and that's the only way political articles should be run. I've had people try to sign news articles!!!*) one or two personal columns would be OK; too much censorship; less childish gobbledegook that was 'creatively inspired' and written off the top of somebody's head; gone downhill but still pretty good; **mathNEWS** should not be a forum for sexist jokes. Those with a long history of anti-student activity such as the liar JJ Long should be completely suppressed. You have done nothing to defend Math Students against cutbacks. It has been used repeatedly as a forum for attacking the Chevron (*oh, come on, Ms. Rowe, where's your sense of humour??*); more graphix; good for friday afternoon classes; politics in excess is bad, lack of politics much worse; cut down on the 1/2 page articles on Bruce Springsteen; no Bruce; no more Bruce Springsteen; **mathNEWS** is the leading Canadian paper

on Bruce Springsteen. Enough already! (*Yeah, and the Chevron always runs Albania articles. come on, people! one review and a couple of one-liners in masthead and you get upset. You'll get your wish next term*); regarding political content, there is a big difference between deemphasis and suppression (*I only suppress political COMMENTARY because it's all or none. News I am all for*); try printing only stuff that is worthwhile and interesting. Don't be ashamed if you only print one sheet (*most intelligent thing anyone's said. we will keep this in mind*)

Thanks to all who participated. You've spoken; we'll try to listen.



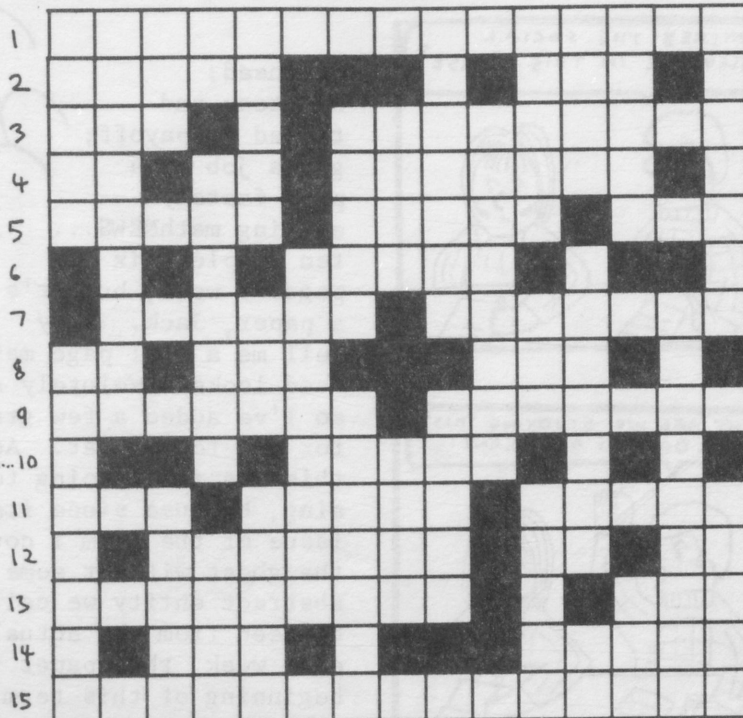


ACROSS

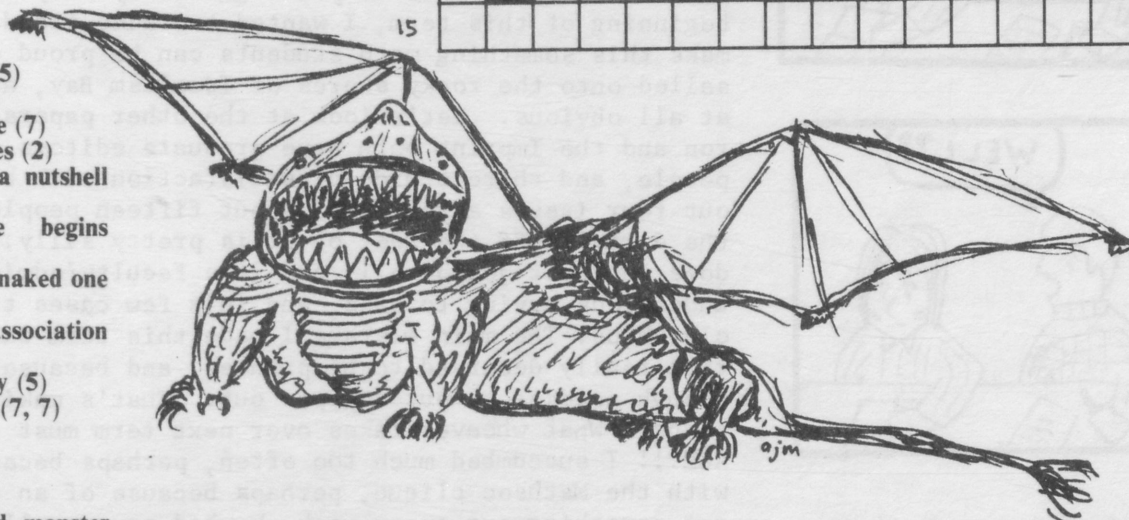
- 1a What this is (4, 5, 2, 4)
- 2a Venus, according to ERB (5)
- 2k United Arab League (3)
- 3a Don't do a thing (3)
- 3c Converts incomprehensible characters to incomprehensible numbers (9)
- 4a Both French and Latin (2)
- 4d Hebrew God (2)
- 4g There are 2000 books in this tongue in the CC (7)
- 5a Agent surrounds greasy water (5)
- 5g Chunky fishes (5)
- 5m National Research Institute (3)
- 6f Sweeper in a robe, some sight! (5)
- 7b Firecracker contains asphalt (6)
- 7i Play guitar on the end of a platform (7)
- 8a Not o? (2)
- 8d /æ7/s/a/o/w (3)
- 8j Little guitar, very little (3)
- 9a Apparatus for extracting value from food (7)
- 9i A great people (7)
- 10f Sums to Demeter (5)
- 11a That's disgusting (3)
- 11e Steal from the French (5)
- 11k Stultifying chemical (5)
- 12e Capacity but not volume (7)
- 12k Her Majesty's sea forces (2)
- 12n Physical education in a nutshell (2)
- 13a Province of Empire begins experimental form (9)
- 13m Some say man is but a naked one (3)
- 14c Roman Elephant's Association (3)
- 14k Looked in the dictionary (5)
- 15a Upstanding coefficients (7, 7)



A B C D E F G H I J K L M N O



uhh... 10



DOWN

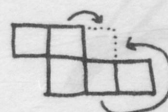
- a1 Twelfths of an inch (5)
- a8 Gray, drab, a reserved monster (8)
- b1 Three thousand pounds of marijuana (1, 3, 2, 3)
- c1 Drink a little (3)
- c11 Hat on an island (5)
- d1 Et —, Brute? (2)
- d4 The ultimate in books? (7)
- d12 Body supports German drink (4)
- e1 Goblin starts to insinuate (5)
- e7 Palindromic exclamation (3)
- e11 Infection caught from a bit of rat in a test-tube (5)
- f6 Green cauliflower (8)
- g3 Roosevelt at the end of the play (5)
- g9 Bird from Hades? (7)
- h3 Shut up! (4)
- h10 Ripped Engineer Tackles Artsie (4)
- i1 A castle in Denmark (7)
- i9 A gem for the lady (5)
- j3 Seduces (8)
- k1 Burns and smokes in anger (5)
- k7 Slider on the end of Slavic name (3)

- k11 A common word for 6f (5)
- l1 Control I's (4)
- l6 Let it be a boy to cover the head (7)
- l14 Shaw's laundry mark (2)
- m1 Girl's the Spanish length (3)
- m13 Small beer (3)
- n7 Clear out United Nations blockage (9)
- o1 Comedy Politics (7)
- o11 Requires things required (5)

!apl -as  
honeyapple  
?5

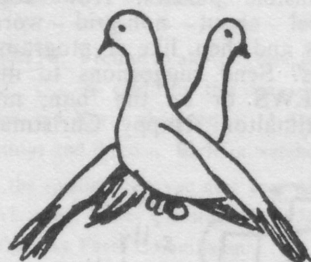
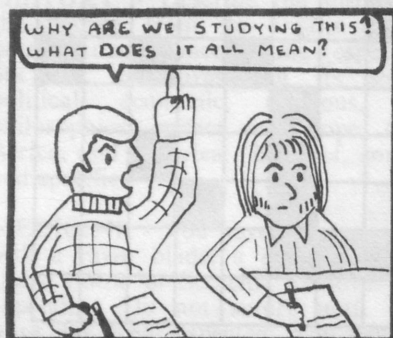
! done forgot to go into  
! rhdwinkle! append mode again!

I have had only one submission to ray's grid from last week; it's from jim bakker and it's wrong. I'll leave that puzzle's judging to next term. Unless the new editor fires me, I'll be back again in January with more incomprehensible puzzles. How does anyone feel about non-grid word puzzles now and then, like cryptograms or acrostics? Send suggestions to me via mathNEWS or on the 'bun; my userid is ajmalton. Happy Christmas everybody.



Jim's silly solution

This is the last gridword of the term, which I stayed up Monday night till 0130 doing. For the benefit of the likes of kgdykes, I have kept it a little less cryptic than those of the past term. Thanks for support and comments in the mathNEWS questionnaire. The grid of two weeks past (that's the one with "Partial Fractions" along the top) had solutions submitted by rhdwinkle, jwbmacaulay, gmhains, rdbutterworth, and jim hoffman. The winner is 'f



masthead: nineteen and turned to payoff; got a job in a piss factory editing mathNEWS... ten people, six pages a week, but it's a paper, Jack. They tell me a full page masthead looks absolutely awful so I've added a few graphix for you to look at. Actually this one isn't going to be amusing, because since its our last issue of the term I couldn't give up the ghost without some comments on this abstract entity we call mathNEWS. As can be seen from the actual list of contributors each week, this paper is put together by very few people. At the beginning of this term, I wanted to raise standards, improve content, make this something math students can be proud of...well, now we have sailed onto the rocky shores of Idealism Bay, and the reasons aren't at all obvious. Let's look at the other papers on campus. The Chevron and the Imprint both have graduate editors, average staff forty people, and there's wide dissatisfaction with both. Enginews puts out four issues a term with about fifteen people, and when you ignore the dirty stuff the rest of it is pretty silly. The Gazette probably does the best job of all, and it's faculty/administration. We're all undergrads trying to pass, and in a few cases trying to keep our scholarships. The main mistake I made this term was looking at items that really deserved to be printed, and because of that filling with enough padding to put a paper out. That's making the ends justify the means. What whoever takes over next term must do is NOT PUT OUT GARBAGE!!! I succumbed much too often, perhaps because of overinvolvement with the Mathsoc clique, perhaps because of an unreasonable urge to put something out every week. We had some really good issues this term and we also had some really trashy ones. There are some pretty powerful tools around to help us - not the least of which is the computer, what with proff, type, qed and the photon. At present anyone who's ever been on WIDJET can learn enough QED to get by in five minutes, and can sign on in their spare time and do typing. Articles require only a bit of PROFF and some creativity. No, I'm not trying to make a pitch for mathNEWS; only suggesting that the general apathy about everything (feds, Chevron, pubs, etc.) isn't going to be solved unless YOU get off your butt and do something about it. It's obvious that the few that have helped me this term (you know who you are, I'm not printing a long melancholy list of names) haven't got any special talents or even any more time than the rest of you, just the idea that it's as much fun to create as it is to observe. More in fact, though editing has been a lot of hassles right through. The literary additions I thought would upgrade the paper never materialized, victims of CS240 and other courses, and what was left was just a pleasant diversion on a Friday afternoon. Which is fine if that's what you want, but that's not what I wanted to deliver and that's not by any means what mathNEWS should be. Well, I'm off to four months in the wilds of Chalk River, and Karen Rooke will be interim editor for the first issue of next term. So thank you again for bearing with me, and have a good Friday. Prabhakar Ragde.

