

# The Genuine mathNEWS is Reinstated!

The biggest scandal of corruption in press-government relations since the Chevron closing has just been narrowly averted, and it is the intent of this article to reveal the numerous sordid details behind the whole affair to the public for the first time.

The conspiracy to take over mathNEWS and thereby default the last bastion of unbiased journalism on this campus may have been building for several weeks before its first visible manifestation; the first notice anyone had of the sleeping giant was a phone call the editor received from Ted (Better Dead than Red) MacNeil on Sunday, October 22, in which he was informed that Dr. L. Cummings, the instructor of their Math 331A class, had unilaterally moved the date of their upcoming midterm to that Wednesday, the 25th. Since the editor had two CS assignments due that week, he was

forced to abrogate responsibility for the Tuesday night production meeting of mathNEWS to Rob (Communist Reactionary) Collins, the alleged head of the CRC and presumed member of such fascist organizations as Pi-Rama-6 and the FFFF, though no membership lists are available to verify these facts. It is also important to the unravelling of this tale to note that Mr. Collins is deeply involved in the bureaucratic structure of the Mathematics Society and may have significant influence on its actions through his CRC links. This, however, will be discussed in upcoming articles.

About the same time, loyal staffer Jim (the Prisoner) Pattison found that he could not verify that one of his columns would typeset correctly because certain necessary files had been deleted from the photon userid by Rick (God) Beach. It is generally believed

(to save our necks) that Mr. Beach was not a member of the conspiracy, though he indirectly abetted the nefarious plot by his actions.

On Monday, the editor gave permission to Ashok (Foghorn) Patel to have the required macros restored. Mr. Patel started building up a new set of macros in a totally different place. Mr. Collins played it cool when informed of his temporary rise in status, a fact which he doubtless knew already. He stood by silently while the editor wrote out detailed instructions that he was never to refer to, doubtless motivated by the knowledge that control of the paper would be completely out of his group's hands when the editor resigned from Mathsoc council that coming Thursday.

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Volume 18, Issue 7  
Friday, November  
3, 1978.

*Despite the efforts of the Great Photon Bug, behold*

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# math NEWS

ISSN 0705-0410

## BOMB SCARE AT SEAGRAM STADIUM!!!!

Yes, St. Jerome's College was running **scared** on Monday night at Seagram Stadium, after being **bombed** 8-0 by Mathsoc in Intramural "B" Floor Hockey action. With this, their second shutout of the season, Math remains undefeated at 4-0, and has outscored the opposition by a 25-5 margin.

Captain Tom Kuntz led an inspired Math squad of 13 players with his aggressive style of play. Although he didn't score a goal, he did a great job of exemplifying the philosophy of "the short shift". Once again, the Math team far outnumbered the opposition, and by combining hustle with sharp passing and tight checking, they were able to score three goals in the first period, and add five more in the second half.

Next Monday night is the last game of the regular season, against the Village Wreckers, with playoffs beginning the following week. With the awesome offensive power displayed in the past few games, Math appears destined for a first place finish and a long post-season series.

John Gross

*Can I drop you somewhere — like off a bridge?*

## Preregistration

Co-op Math students who will be on work terms in Winter/79 and returning to campus for Spring/79 will be preregistering during the period November 8—10/78. Students will be required to have their latest **complete** (that means all three copies) Student Registration Forms (schedules) with them when they pre-register. Any student who does not have his latest complete schedule should pick it up immediately at the Registrar's Office. Students who have lost their latest schedules may request a re-cycled copy from the Registrar's Office and should do so immediately. **Students will not be able to pre-register without their schedules.**

## Blood Donor Clinic

Nov. 29 and 30  
Math and  
Computer lounge

## THE SAFE WAY TO WRECK A WIDJET TERMINAL

Each year, thousands of **WIDJET** users find it necessary to kick in a terminal, and each year, violent, gaseous picture tube implosions send hundreds of them to the hospital. Experts, however, advise there is a proper and safe way to destroy a **WIDJET** terminal — just follow these simple steps.

1. Strike cabinet top on the rear seam. This will break apart the cabinet without prematurely blowing up the tube.
2. To avoid contact with sharp metal edges, use the picture tube wiring as a harness to sling the terminal across the room.
3. Run at the terminal with a heavy instrument, hurling it from no closer than ten feet or four terminal widths, whichever is greater.
4. The important safety secret, of course, is to begin your kicking in earnest after the tube has been smashed.



## Editorial

Student government in the '70's is faced with the rather paradoxical fact that most of their activities are self-generated; that if they were to vanish overnight, they would not be missed in the least. Our own Mathematics Society is no exception; it has evolved a rather complex bureaucracy that does not hide the fact that its base of support is perilously low.

Not, of course, that anything can be done about this situation. Student governments don't perform essential functions; the analogue of political bodies in the external world is the administration and faculty here. (Which, incidentally, gives us a dictatorship rather a democracy.) The societies are more in the way of being advisory councils with semi-autonomous status, though said autonomy wears pretty thin when one is confronted with such facts as the effect the administration had non the structure of AntiCal. Nevertheless, most of us give two bucks a term to support our Society, and it is mainly the fact that the fees are voluntary through levy at fee-paying time and refund afterwards that keeps the Society around and kicking. But I was talking about their power base. The Society at present is run by a handful of rather masochistic and quite overworked individuals. But this isn't going to be an "Ask not what Mathsoc can do for you..." editorial; nor am I going to list the functions that these guys provide for you. You can decide

their validity for yourself. What might be worth pointing out is that the whole structure rests on the shoulders of an amazingly small number of people (notably president Geoff Hains and Athletics Director Doug McInroy) that could easily, just by pulling out and doing whatever it is that normal students do for a change, bring the whole thing crashing down like a black hole passing through a meteor cluster. It's your decision as to whether that'll affect you or not; but you should realize that you're not alone, that half the SciSoc members don't even know they're members, that no one knows there's an ArtSoc, that EngSoc is kept going by an almost paramilitary attitude and a pseudo-spirit that is at best amusing and at worst frankly nauseating. Maybe what you should decide first is **why** you and your colleagues can let your money be spent by a handful of joiners and then bitch when things go wrong, or **what** fills your off-school time to such an extent that you can leave the organization of many of your extracurricular activities to others (though the Math Grad Ball is a notable and laudable exception), or not just state that you don't give a damn and start figuring out **why**. Then let Mathsoc know how you feel, with both barrels, because short of getting actively involved that's the only way to get things done.

*Rene Descartes*

## QUOTES OF THE WEEK

I've managed to plagiarize two quotes this week. They may require some thought from the reader, but if you're not willing to think, then you really shouldn't be here. Right?

Good sense is of all things in the world the most evenly distributed, for everybody thinks himself so abundantly provided with it, that even those most difficult to please in all other matters do not commonly desire more of it than they already possess.

A teacher who asks a question is tuned to the right answer, ready to hear it, eager to hear it, since it will tell him that his teaching is good. He will assume that anything that sounds close to the right answer is meant to be the right answer. So, for a student who is not sure of the answer, a mumble may be his best bet.

For those of you who care, this week's first quote is the work of the little known Rene Descartes, and the second comes to us from John Holt.

gvbezoff

## INNER TUBE WATER POLO

It seems that the Math Sea Horses' reputation is preceeding them. Last week our opponents failed to show up. Because of this, we borrowed a few people who were already in the pool and had an "intra squad game". Needless to say, we won.

Brian Plante played extremely well in goal behind the first string defence; and our designated import Kathy Kropp also made a large contribution to the offensive power of the Mathies. Greg Bezoff, our substitute "Fearless Goalie" and illustrious WATSFIC president, played valiantly but was overmatched due to a lack of experienced defenders; and, late in the game, allowed a shot from three-quarters of a length away to get by him. It was my first goal of the season and I am proud of it.

Team T-shirts are available from me in the Mathsoc office (if you ordered them) for \$2.16 (tax included). Next game is on Sunday November 5 at 7:45 pm in the PAC pool. See you there.

coach

unCLASSIFIED

## classified

**JIM MEED** Please come home. Little Jimmy misses you. Barbara.

**BRUCE SPRINGSTEEN** I have one (1) ticket for the Bruce Springsteen concert on November 16 at 8:00 at Maple Leaf Gardens for sale. If interested, contact jppattison, or phone 884-2428 and ask for Jim.

**Toronto Apartment** wanted for winter term (Jan-Apr) 1979. We are looking for a furnished, 2 bedroom apartment to sublet in Toronto for the upcoming work term. Please contact jppattison or djfishbaum, or call 884-2428 and ask for David or Jim, or write David Fishbaum, #1-109 Westmount Rd. N., Waterloo Ont, N2L 5G5

**WANTED:** First-year Honours Algebra and Calculus exercise solution notes. Remuneration offered. Call 884-9236 any time that it answers.

## The MERELY MEDIOCRE TRIVIA TEST

Dedicated to the AIA. (Association of Irresponsible Anarchists)

Once again, we had problems with accuracy last week. We forgot about the fountain near Modern Languages (thanx Paul Bernard) and I forgot to count the Speaker as a member of the Executive (thanx to Fuzzy, Rob Collins, and others). This week for sure!

1. What was the name Wilfrid Laurier University was changed from?
2. How many seats are there in MC3038?  
a)10 b)13 c)16 d)19 e)not nearly enough
3. What is the Health Services extension?
4. True or False. The Math building contains a sprinkler system.
5. How many Engineering Co-ordinators are there.  
a)20 b)16 c)12 d)14 e)18
6. How many doors are there on the back hall of the 4th floor?  
a)30 b)31 c)33 d)35 e)36
7. How long are the "official" Mathsoc rulers? (in inches)
8. Whose picture hangs on the wall of room MC3018?
9. What number is the Math and Computer building?
10. How many pages (including covers) are there in the GMAP manual?

*You're a miracle worker — when you work, it's a miracle.*



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Events moved much swifter after that. Mr. Collins managed to avoid the editor for most of Tuesday, skipping classes the two had in common. The disappearance of loyal layout-girl Karen (Rookie) Rooke completed the removal of true staff, and a set of replacements started after the editor left for home about 2:30. The shadow government included such figures as Barbara (the almost-Newfie) Meed and her common-law husband Jim, whose numerous submissions had been rejected by the editor as being absolutely incomprehensible. Eric (the Red) Siegeman utilized his infamous hack talents to break into security-locked files to aid Mr. Patel. A supposedly open staff meeting was held in the CC Pub about six, in which the remainder of the neutral staff, seduced by beer and the bells of pinball machines, yielded to their baser instincts and unanimously voted the power-mad Collins editor. The pretender then gave instructions to Mathsoc faithfuls to misdirect all calls from loyal staff. When Andrew (Android) Malton showed up in person, he was given a tongue-lashing until he left without discovering the plot. Collins lost control about 8:30 pm, however, when he learned that the real editor was in possession of a pair of prime tickets to the Elvis Costello concert in Toronto that he refused to part with. The original plan was to allow the real editor limited and censored space in the new **mathNEWS**

*You've devoted the best years of your life to women.*

to keep up pretenses, but when he arrived at Mathsoc the next morning he found Collins had illegally signed the printing requisition and sent the issue off to Graphic Services without his approval. Furthermore, the mathnews password had been changed! Luckily, through techniques which cannot be revealed here for security reasons, he was able to regain control and undo the damage, and the forces of free and progressive journalism once more transcended the grubby grasping of government.

The main conspirators have received just punishments. Rob Collins has been chained to a WIDGET terminal and forced to dearchive nonexistent files until his teeth fall out. Ashok Patel has been infected with a laryngitis virus. Jim and Barbara Meed have received what some consider to be an unfair punishment; they will shortly receive Mathsoc council seats. No lasting damage has been done; Mathsoc's subsequent action of freezing our October salaries was ludicrous, since we don't draw salaries; and negotiations are presently underway to have Mathsoc pay for issue #6, whose cost is estimated at roughly \$153. The fact remains that this could not have happened if **mathNEWS** had a broad power base. To this end we urge you to send telegrams (well, at least mail messages) of support to userid mathsoc on the 'bun. Those of you who don't have accounts can come into MC3038 and shout "**mathNEWS** or bust!!!!". We shall triumph!!!

Melvin Snidhofer

## ETAOIN SHRDLU

This is it, music lovers and audiophreaks: the ultimate hi-fi set-up. If you connected together all the components I describe below, you'd have a system that sounds so clear, so detailed, so utterly transparent and realistic that, after you heard it, you'd never be content to listen to your measly Pioneer receiver and JBL speakers again. Most of the components were selected on the basis of test reports printed in *The Audio Critic*, an excellent, although expensive, noncommercial publication that should be required reading for anyone planning to invest a lot of money in hi-fi gear. Most of the prices I quote are the manufacturer's suggested list (MSL) in the U.S. Prices in Canada are generally 50% or more higher, due to duty, the current exchange rate, etc.

The turntable/tone arm/cartridge combination should be considered as a system, and each component should be selected to optimize the performance of the other two. The turntable in this case is the Thorens TD 126 MK IIB, a

belt-drive model that goes for \$600 in Canada. The tone arm is a Breuer Dynamic 5A. It's made in Switzerland with watch-maker's precision, and looks like it was designed and built by NASA. All this for \$750. The cartridge is the GAS 'Sleeping Beauty' Shibata, a moving coil cartridge that goes for \$240. With these three properly set up and aligned, the signal delivered to the pre-amp is exactly what's in the record groove, and only what's in the record groove: nothing more, nothing less. Since the cartridge is a moving coil model, instead of a moving magnet, it requires either a special head amp, instead of a conventional phono pre-amp, or a transformer to raise its output to the level where it will drive a phono pre-amp. For a lot of technical reasons I don't really understand, a properly constructed transformer is theoretically the best way to go. The Verion Mk I is a properly constructed transformer. It's a \$375 little black box that goes between the outputs from your cartridge and the phono inputs on your

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## WATSFIC PRESENTS

Just thought I'd let you all in on what Watsfic has been up to during the past week. Firstly, we have made tentative plans to run a Dungeons and Dragons tournament sometime during the weekend of November 18 - 19. We are in dire need of at least one more Dungeon Master with some experience. Anyone interested apply to Watsfic, care of Mathsoc, MC 3038 (Please!). We have also made tentative plans (We've got plenty of those.) to hold a combination Diplomacy and Outreach tournament sometime during the weekend of November 11 - 12. Watch **mathNEWS** and the various bulletin boards scattered about the campus for further information regarding both of these tournaments.

Now, regarding our tentative plans (See what I mean?) to publish Starsongs sometime this month, I can only say, "HELP!". For those of you who don't know, Starsongs is Watsfic's science fiction newsletter, and as I explained last week, we are in desperate need of material from which to manufacture it. As I forgot to explain, however, said material can be forwarded to any one of: Watsfic, care of Mathsoc, MC 3038; userid watsfic; userid gvbezoff.

I find, upon perusing the minutes of our last meeting, that two motions of particular significance were passed. These being:

1) That the membership of Watsfic endeavour to obtain a quantity of platinum-iridium wire and that this wire be employed to wire together the braces of one Jan Gray, unofficial Watsfic mascot.

2) That the membership of Watsfic then apply an electromotive source of no less than 50,000 volts across the ends of said wire in the hopes of permanently fusing Mr. Gray's mouth shut. *typist: it's not the voltage, dummy, it's the current!! writer: who gives a damn? it's the thought that counts!!*

Well, that's about all for this week fans. May you live long and prosper.

gvbezoff

Quasi-President

## ELECTIONS

The following seats are open on Mathsoc council

- 1) First year Regular.
- 2) First year Co-op "A" Stream.
- 3) First year Co-op "B" Stream.
- 4) Graduate at large.
- 5) Third year Co-op "B" Stream.
- 6) Fourth year Co-op "A" Stream.
- 7) Second year Regular.
- 8) Second year Co-op "A" Stream.

Nomination forms are available in MC3038.



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In a reference system like this, a tuner or a tape deck aren't really essential, unless you plan to do any live recording, since in each case, the signal is removed one or more generations from the original. I want them anyway. For tuner, there's only one choice: the legendary Sequerra Model 1. It costs something like \$4000 in Canada, but has digital tuning, Dolby Noise Reduction, a built-in oscilloscope, and a lot of other goodies. The tape deck has to be reel-to-reel. In a system like this, a cassette deck, even a very good one like the Nakamichi 1000 II or the TEAC C-1, just isn't good enough. The deck chosen is a Mark Levinson Studer A80, a \$9500 unit that's built like a battle ship, and should stand up to several years of 24-hour-per-day, 7-days-per-week service without breaking down. One of its more interesting features is the ability to connect it to a computer for some sort of real-time application. As the manufacturer points out though, "this feature will be of little relevance for most users".

Okay, this is where it gets interesting. The pre-amp that all this plugs into is the \$1850 Mark Levinson ML-1. Mark Levinson is to hi-fi as Lamborghini is to cars: the stuff he makes is the best available. Period. Like most high-end pre-amps, the ML-1 has a Spartan front panel. Input selector, balance, volume, and that's it. No tone controls, no filters, no loudness compensation, nothing. It just amplifies the input without changing it. The output from the ML-1 goes to a Verion NF-1. The NF stands for noise filter, which isn't a really accurate description. This \$300 little black box does nothing to the signal between 18 Hz and 35 KHz, but sharply attenuates it outside that range, the theory being that wide bandwidth pre-amps and amps dump a lot of sub- and super-sonic garbage at the speakers they're driving. You can't hear it, of course, but it colours the sound you can hear. With an NF-1 connected between pre-amp and amp, the sound coming out of the speakers takes on an extra layer of detail. From the NF-1, the signal goes to a Mark Levinson LNC-2 three-way cross-over. "Aha!", you say. "That means a tri-amped system, with three power amps." Well, almost. Actually, the system uses six power amps. Six Mark Levinson ML-2's. The ML-2 is a massive, 65 pound, mono power amp that produces 25 watts into 8 ohms (or 100 watts into 2 ohms) and costs (are you sitting down?) \$2000. Each. The speaker system that all this drives is (you guessed it) from Mark Levinson as well. Each side of his HQD system consists of a 24" Hartley sub-woofer, a pair of Quad electrostatics for the mid-range, and a Decca tweeter. Cost of the HQD system, including the LNC-2 and special racks for the Quads is "about

\$5000", according to a Bay Bloor Radio salesman I talked to last summer.

And that about wraps it up. You'll notice that, with the exception of the Verion NF-1, the system has no "signal processors", no equalizers or filters or tone controls or expanders. The theory behind that one is that the shortest path between input and output is always the best, and that the extra circuitry of such items will always add some sound of its own to the signal.

When discussing a system like this, three questions have to be answered.

1. What does it sound like? I don't really know. With the exception of the HQD system, I've never seen any of these components, let alone heard them. According to the golden-eared editor of *The Audio Critic*, the same people that called the legendary, \$3000, made-in-Waterloo Dayton-Wright electrostatic speaker a turkey, the sound of the HQD system is "the best we've ever heard. Anywhere." I'll take their word for it.

2. How much does it cost? If you have to ask, you can't afford it. Between \$45,000 and \$50,000 in Canada, depending on the exact markup over the American prices (some of which are probably out of date by now).

3. Is it worth it? Probably not, although that's a difficult question to answer in a day and age when certain 40 year old comic books are selling for up to \$10,000 apiece. It's certainly not the most expensive system you can buy. (It's possible to spend \$35,000 on the pre-amp, amp and speakers alone, for instance.) I doubt if you could find a better set up, though. If you can come up with one, let me know.

Jim Pattison

Close the door please, from the outside.

The polyunsaturated, non-cholesterol, fat free

## BAKKERS DOZEN

With a little bitching and a little fun we start it up.

The first thing I want to talk about is profs who write midterms and exams with calculator owning students in mind. This method is not exactly the fairest around, since the poor sucker who can't afford one has to do reams of calculations by hand. The person has to waste a lot of valuable time on figuring out basic grade 8 arithmetic instead of on the course work he is supposedly being tested on. Something like this can lead to a lower mark and THAT is a kick in the head.

### Epitaph of the Week

*Here lies the body of Les McCrae  
Who died defending his right-of-way.  
He had the light. He had the pluck.  
But the other fellow had the truck.*

PUZZLE SECTION. This week I have two puzzles for you to attempt. The last puzzle was a "wasting time puzzle" because, as I'm sure you must have guessed, it had no solution. These ones both have answers (and they're even obvious!)

First; take 4 full sized toothpicks and 4 half toothpicks. Arrange them so that they form three EQUAL SIZED squares.

Second; by removing three lines from the following pattern, leave exactly 3 triangles behind.



Answers next week.

Once again, that's all for this week. If you have any suggestions or interesting puzzles for me to share with people, send them to me via **mathNEWS**. (Since WATSFIC stole my sign off line, I'll just have to use another one.) Keep those cards and letter bombs coming!

jr  
*You're so dumb that when you go to a mind reader you get it done for half price.*

A young Mathie from U. Toronto,  
Had demeanour quite suave and gallant  
Oh,  
But when she took off her dress,  
His transform, I confess,  
Was bijective (that's 1:1 and onto!)

*You're such a pain in the neck, the aspirin manufacturers are thinking of paying you royalties.*

## ANSWERS TO MMTT

1. It was formerly Waterloo Lutheran University.
2. b)13 although it often seems that there aren't enough.
3. Ext. 3541
4. False.
5. c)12 Stolen without shame from the Gazette.
6. 35 counting elevators as one door each and fire hoses.
7. Seven inches long. (I wonder why? No prizes for answers to this.)
8. Arthur Carey. (Whoever he is. Anyone know?)
9. Number 17.
10. 458 Counted by acpatel and kpmartin who were bored.

CREDITS: James R Bakker wrote and directed this week's incarnation. *Is that anything like in clover?* All questions by the Obvious Facts Commission except Questions 6 and 9 which were by Kim Boyle. Sorry Doug, we forgot what your question was but we'll use it next week. EOF



across

- 1a The big bumper (5)
- 1g large human fuel shortage (6)
- 2a backstabbers' day (3)
- 2d evil me (3)
- 2i not such a nice guy (3)
- 2m battleship state(2)
- 3g water creature (4)
- 3l it's god's (3)
- 4c mixed gear worships (7)
- 4k how to get up (4)
- 5a one solitary temporary gift (5)
- 5j hell with a bar (5)
- 6a evil single precision arc tangent (5)
- 6g fragile (5)
- 6m article (2)
- 7a (rubber?) soul back in Paris (3)
- 7f this unit is light (7)
- 8c golf item from the east (4,3)
- 8l bird's quebec home (3)
- 9a game of skill (2)
- 9d tempted (5)
- 9j be horny (5)
- 10a see 2i (5)
- 10j a plague on you (5)
- 11a predisco (4)
- 11f you clot! (7)
- 12a make out in a trench (3)
- 12e I'll bet you know this place (4)
- 13a unsure queen (2)
- 13d Canadian letter (3)
- 13h Mao, e.g. (3)
- 13l faith in the PQ (3)
- 14c occurs after f11 (6)
- 14j 10a's author buddy (5)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														

down

- a1 leads to 1a (7)
- a9 on top of things (6)
- b1 part of the editor's name (2)
- b5 the cops could have you on this (3)
- b9 what you sniff (5)
- c1 probable result of illness in Dec. (8)
- c10 small turkey month (3)
- d4 assbackwards, French (3)
- d8 he's incredible, green too (4)
- d13 American letter (2)
- e1 a good place to try for (6)
- e8 two of four dogs (3)
- e12 blind man (3)
- f7 a small smoke (3)
- f11 quit (4)
- g1 ignorance's child(4)
- g6 destiny never lost (4,3)
- h3 you pay to become this (7)
- h11 tailless direction (4)
- i1 killers in the sky (4)
- i6 lemon or lime drink (3)
- j1 Rhoda's ma (3)
- j5 badspeak (3)
- j9 IBM bombs out again (6)
- k1 Python word (2)
- k4 how to get down (4)
- k9 tailless first zookeeper (3)
- l3 not much 7f (3)
- l7 Morgentaler, e.g. (8)
- m2 exile isle toast (5)
- m8 this clue is sick (3)
- m13 ancient tongue (2)
- n1 suicide method (6)
- n8 suicide symptom (7)



Look buddy, I'd like to help you out — which way did you come in?

This week's puzzle was written by drmatthews.

Correct solutions to last week's but one (v18 i5) were submitted by jim hoffman, ruth pears, arn copas, marriette proulx, jim bakker, geoff hains, alan goodenough, chris smith, and duncan murdoch. I used the apl random number generator to determine the winner, who is duncan murdoch!!!

Please send comments to ajmalton or mathNEWS.

## Descartes Foundation Lecture

All Rene Descartes Foundation scholars, fellows and prize winners are invited to a gathering on Thursday, November 9, 1978. The programme is scheduled to start at 8:00 pm in MC.2065 with a talk by Dr. Gustavus J. Simmons, who is the head of the Applied Mathematics Department inof Sandia Laboratories, Albuquerque, New Mexico.

Dr. Simmons' talk will be **A Kook's Tour of Science**.

A razor-thin line divides the states of mind of the scientist between being so cautious as to be blind to significant new phenomena and being so uncritical as to see new phenomena where none are present. As every student knows, many of the famous scientists strayed over this line on occasion: Kepler,

Newton, Eddington, and so on. Yet even in modern times, organizations as large as governments have been duped into investigating "inventions" which clearly violate the basic principles of science. As an avocation, our guest speaker (who was initially a physicist and later a mathematician) has collected interesting and often amusing contemporary examples of "kookery" in the name of science. Although some of the stories are clearly outlandish and some of the borderline cases are sobering, all are entertaining. There is also a bittersweet lesson for every scientist in all of these cases.

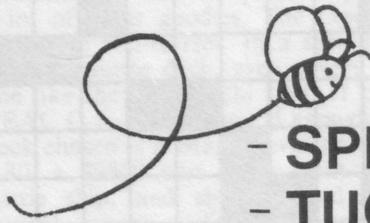
Light refreshments will later be served in the Faculty Lounge. If you are coming, please inform K.D Hunt in room MC.5197 as soon as possible.

I was going to engage in a battle of wits with you — then I remember you shouldn't attack an unarmed man.



# IMMEDIATE MEDIA

## NOVEMBER 13-18



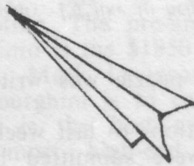
### MONDAY

- SPELLING BEE
- TUG 'O' WAR



### TUESDAY

- SLIDE RULE
- PINBALL



### WEDNESDAY

- PAPER AIRPLANE
- PING PONG
- BRIDGE
- FREE MOVIES



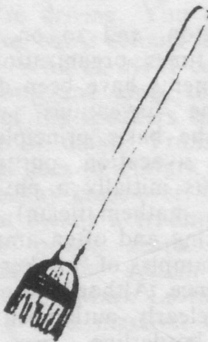
### THURSDAY

- TABLE HOCKEY
- WINE & CHEESE



### FRIDAY

- BROOMBALL

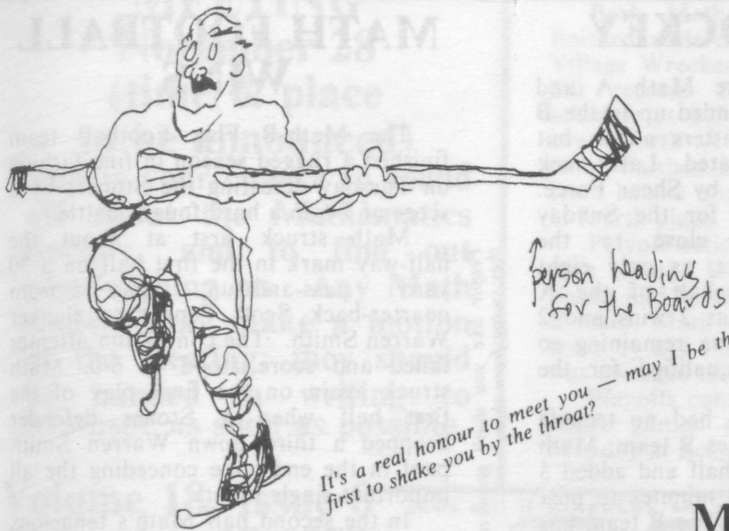


### SATURDAY

## SEMI-FORMAL







## FICT<sup>ETICS</sup>

### ICE HOCKEY

#### Math A

There was a hockey game played last Thursday, and boy, what a game. It was the first of the season for the Math A team and their opponents, the Rockers, and just about everything imaginable in an entire season took place within the 40 minutes of play. There were two short-handed goals, a successful penalty shot, a match penalty, and an empty net goal, along with the normal things that go on.

Richard Latour scored the first Math goal after 9 minutes of play, and put another one in on his next shift. John Wisylyk assisted on both. Math ended the period on a power-play, but gave up a goal when the Rockers got a one-on-one against one of our forwards.

Rockers put on the pressure early in the second half and tied it up. Math returned the pressure and forced the Rockers to cover up in the crease, a penalty shot situation. Doug Snyder had the privilege (?) of taking the showdown and beat the goaltender with an excellent shot a la Lanny MacDonald.

Math managed to hang on to that lead, weathering a minor penalty, with close checking and occasional offensive outbursts. With two minutes to go, leading 3-2, a Math forward was assessed a major penalty for cross-checking and a match penalty. That meant our guys were to play the remainder of the game short-handed; Rockers intended to capitalize on the situation by removing their goalie in favour of an extra attacker. As often happens the move backfired when Luc Gagnon, one of the Math penalty killers, banked a clearing shot off the boards and into the empty net. That goal put the game out of reach, and Math went on to post the season-opening victory.

The player who got the match penalty will be a spectator at the next game, as the Intramural people are trying to deter rough play by handing out suspensions. The Math A team plays Thursday nights at Moses Springer Arena. Spectators are welcome.

#### Math B

The B team had their first loss on Monday night, a 4-2 defeat at the hands (and elbows, hips, sticks etc) of Recem Deckem. The Math team is just a bunch of guys who like playing hockey, whereas the Rec team tended to take it a little more seriously. Rec took 5 of 6 penalties in the game and their solid hitting was effective in slowing the Math team. Rec assumed control early with their aggressive style but had the shooting and skating ability to back it up. They managed to kill off their penalty situations and were leading 2-0 with only seconds left in the first half when John Pyper scored on a screened wrist shot, the rush set up by Gary Fauland.

Recem Deckem came right back in the second half, forcing play in the Math end off the opening face-off and scored to regain the two goal lead. Rec ran into a couple of penalties, as a result of running into a couple of Mathies, and Math was able to generate some pressure. Warren Smith scored on a power-play but the goal was disallowed, the referee ruling the puck had been hit with a high stick by a Math winger before being put in the net. Our team continued their attempts to pressure the Rec team but the usual result was Rec receiving ample three-on-one, two-on-one, and breakaway situations. That didn't make things too easy on our goalie, Frank Giblon, but Rec was unable to increase the score. Finally, with 9 minutes left, Warren backhanded one by Rec's goalie to make the score 3-2. From then on Rec was interested in preserving the win while Math continued to move their defence up to exert pressure. It was end to end for the last few minutes, but Rec managed to sneak one in from behind the net to provide the insurance goal.

The Rec players were on the receiving end of a few bodychecks in the second half, but our guys were still commenting on bumps and bruises after the game. The team has no games next week, but they will have a practice. Next game is Monday November 13 at Moses Springer (12 midnite).

Last week's pseudo-editor called **mathletics** boring but then it was late and he really wasn't himself. I didn't take it as a personal insult because I know that more people read this than anything else in the paper, except for MMTT. In order to improve the situation I have considered a pull-out sports section but our method of binding makes that impossible. Colour photos of our teams in action are definitely out of the budget...we can have coloured paper but we already tried that with no increase in circulation. Pictures of next Friday's Faculty broomball game are a definite possibility for next issue, but for now it's back to the boring.

A reminder of the Society/Faculty game: it's on Fri. Nov. 10 at 2pm in St. Clements, so come out and cheer the Faculty on to defeat.

Part of the **MATHWEEK** event is an all-day broomball tournament at St. Clements featuring a student team from each of the six faculties. The Math team is being organized by Ken Lynch, so if you are an avid broomball player contact him immediately. There is only room for a limited number of players so some selection will have to be made. The tourney is co-rec, so girls are definitely welcome. Games start at 8am and proceed to the final at 3:00, with each team guaranteed at least two games.

### PEDALLERS

Last week's note on the bicycle race did not include the names of the winning foursome. The Off Campus Bag Biters, a Math team, won the event with a combined time of 24 minutes, 4 seconds, half a minute ahead of their fastest opponents. Jay Biskupski, Richard Elton, John Mooney, and Richard Helliwell teamed up for the winning effort. A second Math team had John Abbott and Ralph Hill doing double duty as teammates Rob Collins and Johan George failed to show. Judging by comments, everyone who cycled the Laurel Creek route enjoyed the race.

*Of course your friends value your company. Avoiding you is the only exercise they get!*



## PROFS OUTRUN STUDENTS

Two weekends ago the Engineering Challenge Run was held on a three mile course through Waterloo Park, Centennial Park, and Seagram Stadium. There were no Math students who saw fit to enter a team in the event but it still rates a story because the team that won the event was a faculty group. There is no way you can say those guys are out of shape when it comes to this event.

Ian Williams(Kinesiology) had the fastest official individual time, completing the course in 13 minutes 57 seconds. That means he averaged under 4:40 per mile for the course! But wait, he's from Kin so he's a jock and expected to be in good shape, but what about Rob Brown from the Stats Dept? Rob posted the second fastest time, finishing only two seconds behind the team leader, again under 4:40 average. Jay Thompson(Kin) placed third with a time of 14:08, so it's not surprising the faculty won the team event. Two other Math Faculty members also competed, Allan Adamson(Pure Math) and Peter Sprung(Comp.Centre), with times of 15:09 and 16:50 respectively.

Kevin Jones of the cross country ski team placed fourth (14:18) with the best student time. One runner completed the course in 13:30 but was ineligible because he is a varsity cross-country member. Several Math students entered on behalf of their colleges, Bruce Rodriguez (15:29) and Dave Demaiter (16:56) for St. Jeromes, and Brian Nicholls (15:47) for St. Paul's.

## BALL HOCKEY

Although there are Math A and Math B teams, both ended up in the B level. Not that it matters a lot, but both are still undefeated. Last week Math A was tied at 2 by Shear Force. It seems the turnout for the Sunday games is dropping close to the minimum requirements, as only eight players showed on behalf of the A team. Math A now has 2 wins and 2 ties with only one game remaining so they have definitely qualified for the playoffs.

The Math B team had no trouble handling the St. Jeromes B team. Math had a 3-0 lead at the half and added 5 more in the second 20 minutes to post an 8-0 shutout victory. The B team has now played four games, winning them all and outscoring their opponents 25-5 in the process. They are at the top of the B3 league and have a good chance of advancing when the playoffs arrive. Obviously the team is playing well and seem to be enjoying the games. In an open practice last week against a mix of St. Jeromes players the Mathies were taking pleasure in outplaying their opposition in the friendly match. In over an hour of straight playing time the substitute goaltender for the Math team allowed only 4 goals while displaying excellent technique on occasion. Modesty prevents me from revealing his name.

## MATH FOOTBALL WINS

The Math-B Flag Football team finished a rugged season in fine fashion on Tuesday defeating the Stoners by a score of 7-6 in a hard fought battle.

Math struck first at about the half-way mark in the first half on a 30 yard pass-and-run play from quarter-back Scott Pepper to flanker Warren Smith. The conversion attempt failed and score stood at 6-0. Math struck again on the final play of the first half when a Stoner defender dropped a third down Warren Smith punt in the end zone conceding the all important single point.

In the second half Math's tenacious defence faltered only once allowing the Stoner's touchdown but rallied to prevent the all-important conversion holding the score at 7-6. From that point on the name of the game was defence with neither team allowing the other chance to score, thus ending one of Math's most succesful seasons with a record of 2 wins and 3 losses.

Captain KEN LYNCH

## Basketball

Both the Math A and B basketball teams had 1-3 records going into play last week but I was unable to get the results of the two games involving our players. The A team has one game remaining, while the B team finished their scheduled games on Sunday night. A winning record is not a necessity for playoff action so, depending on the missing game results, our guys could be playing the extra games. My apologies for failing to attend any of the games and keeping up to date on the action.

Masthead: the sun sank into the crystal-clear sea several hours ago with a great hissing sound and a lot of steam and such...

every week I vow to dream up all

sorts of neat pithy (yes there is such a word) sayings and things to liven up masthead and every week it's the same boring drivel; we just turned off supertramp because we couldn't take too much of a good thing and guess what the FM is playing! Contributors this week included john gross (setting some sort of world record for being on the front page), john lee (in a rather castrated form; if you see any new grelbers in the margins they're his), jrbakker again(the ad was dave's fault, junior), greg bezoff the verbose frosh jim pattison(as an extra emptysquare question, try to guess which word is missing from the article), noted sociologist melvin snidhofer chimed in with his expose on the mathNEWS crisis last week (you may notice Rob Collins didn't dare to show his face this week; remind me someday to tell you how the effect of beer on him can be explained by a Maxwell-Boltzmann distribution the same way that a slight rise in temperature causes greater evaporation)(see, I did listen in Chem122);doug mcinroy wrote an almost-mathleticsNEWS (late as usual), and of course the ubiquitous ben lutek limerick. As you read this I will be undergoing a Stats midterm; shortly afterwards seating myself in the O'Keefe to watch ELVIS IN CONCERT (eat your heart out, Collins!)...stan says I'm not funny today; how many polish popes does it take to give a baptism? now take my photon...please! ashok patel 'n kevin martin (the photon brothers) typesetted (typesat?); karen rooke wants me to advertise to find a name less lascivious than lay-out (nevertheless, that's what she's doing); people who dropped in during the course of the evening included jill kilpin, the terror of the Phillip St. WIDJET system; rachel the mad redhead from Guelph (Cow U.)(that should be Moo U.); walter the frosh is looking o'er my shoulder; barbara meed was around for a while but she's more long and hourglass-shaped now; will jill take over as photon mascot? tune in next week for the exciting sequel to the masthead(yawn...) it is now 9:59 as prabhakar ragde types this (jim bakker wishes to deny everyting)...don't you think that I know that walking on the water won't make me a miracle man? maybe next week we'll have a questionnaire for you but for now just write c/o userid mathnews or via the grey mbox on the 3rd flr; FLASH: PHOTONISTS HAVE GONE ON STRIKE...HOLDING OUT FOR MORE RESOURCES...PR DISCONNECT %/c\$%\*%&\*+&

People like you don't grow on trees. Usually they swing from them.

Thanks Kathy for...