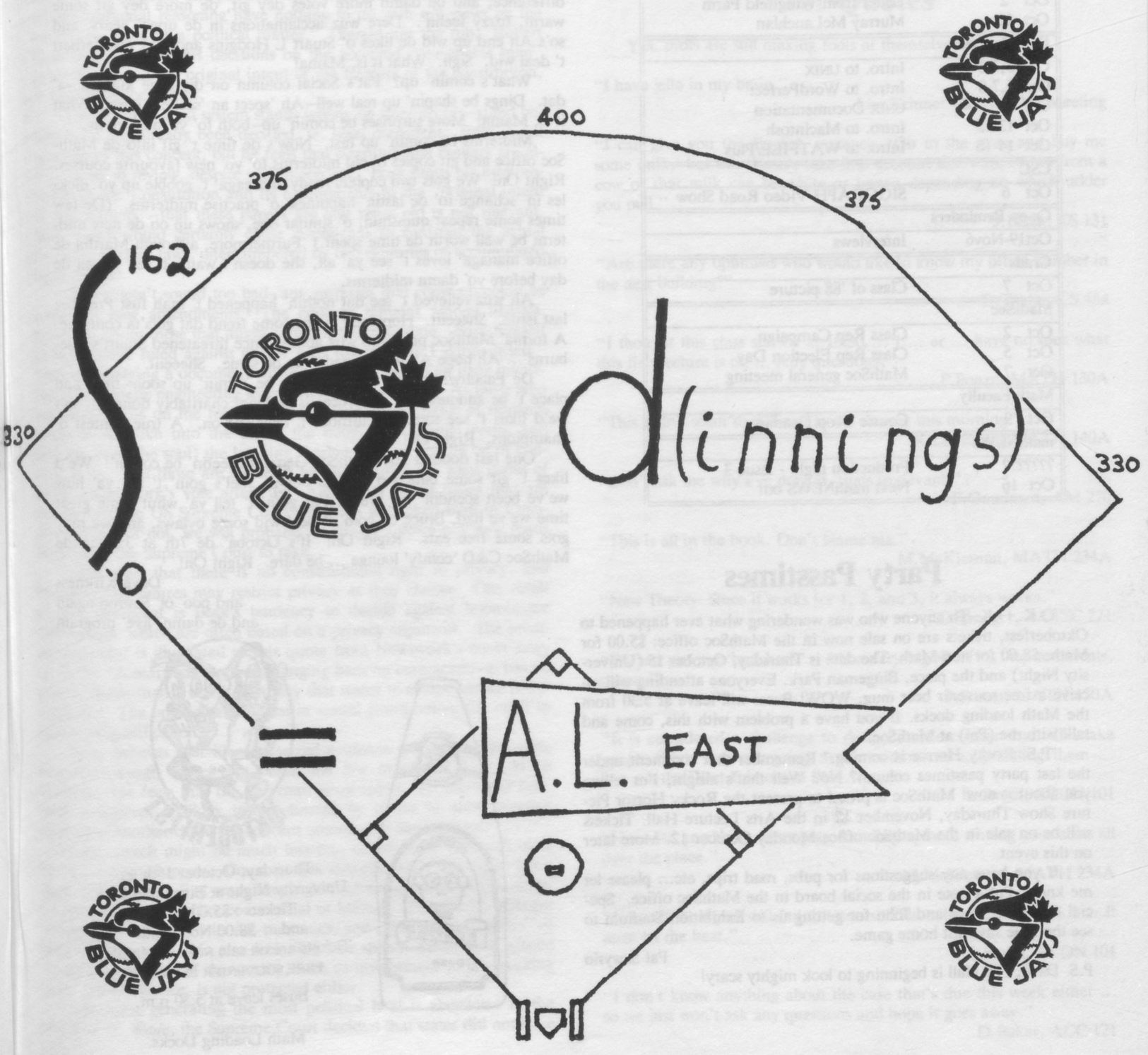


# math **NEWS**

Volume 45 Number 2

Friday, October 2nd, 1987



## LookAhead

Cinema Gratis	
Oct 7	Don't Mess with Bill The Terminator
Oct 14	Satan's Choice Lawrence of Arabia
Fed Flicks	
Oct 2-4	Labyrinth
Oct 9-11	Thanksgiving--No Fed Flicks
Oct 16-18	Killing Fields
UW Arts Centre	
Oct 2	Letter from Wingfield Farm
Oct 13	Murray McLaughlan
DCS Courses	
Oct 5,7-8	Intro. to UNIX
Oct 5,7-8	Intro. to WordPerfect
Oct 13	UNIX Documentation
Oct 13-15	Intro. to Macintosh
Oct 14-16	Intro. to WATFILE/Plus
CSC	
Oct 6	SIGGRAPH Video Road Show
Co-op Reminders	
Oct19-Nov6	Interviews
Grads	
Oct 7	Class of '88 picture
MathSoc	
Oct 2	Class Rep Campaign
Oct 5	Class Rep Election Day
Oct 7	MathSoc general meeting
Math Faculty	
Oct 9	Course Drop Deadline
mathNEWS	
???????	Production night - Issue 3
Oct 16	Next mathNEWS out

## Party Passtimes

O.K. O.K. To anyone who was wondering what ever happened to Oktoberfest, tickets are on sale now in the MathSoc office: \$5.00 for Math, \$8.00 for non-Math. The date is Thursday, October 15 (University Night) and the place, Bingeman Park. Everyone attending will receive a free souvenir beer mug. WOW! Buses will leave at 5:30 from the Math loading docks. If you have a problem with this, come and talk with me (Pat) at MathSoc.

"P.S. Rocky Horror is coming." Remember that comment under the last party passtimes column? No? Well that's alright, I'm telling you about it now! MathSoc is proud to present the Rocky Horror Picture Show Thursday, November 12 in the Arts Lecture Hall. Tickets will be on sale in the MathSoc office Monday October 12. More later on this event.

If you have any suggestions for pubs, road trips, etc... please let me know. Put a note in the social board in the MathSoc office. Special thanks to Dave and John for getting us to Exhibition Stadium to see the Blue Jays last home game.

Pat Szwyro

P.S. Dave, Fed Hall is beginning to look mighty scary!



## Prez Sez

Well, kids, wasn't *that* some football game last Saturday? De football warriors mos' *won!* Gotta be impressed, lads and lassies. We may win some game yet.

As you'll see lata' in dis issue, MathSoc elections be on Monday fo' de 1A 4-Stream and 2A Co-op Class Reps. If youse in one o' dese terms, git out and vote--de suckas we git on council *do* make some difference, and de damn more votes dey git, de more dey git some warm, fuzzy feelin'. Dere wuz acclamations in de uppa' years, and so's Ah end up wid de likes o' Stuart L Hodgins and Raz'tus Herbert t' deal wid. Sigh. What it is, Mama!

What's comin' up? Pat's Social column on dis page kin tell ya' dat. Dings be shapin' up real well--Ah 'spect an 'scellent term. What it is, Mama! More surprises be comin' up--both fo' ya' and fo' us.

Midterms be comin' up fast. Now's de time t' git into de MathSoc office and git copies o' old midterms fo' yo' new favourite courses. Right On! We gots two copiers ready and eaga' t' gobble up yo' nickles in 'schange fo' de lastin' happiness o' practise midterms. (De few times some repeat quesshun, o' similar one, shows up on de new midterm be well worth de time spent.) Furthermore, although Martha de office managa' loves t' see ya' all, she doesn't wants t' see ya' all de day before yo' damn midterms.

Ah wuz relieved t' see dat nothin' happened t' mah fust Prez Sez last issue. Sheeeit. Hopefully dis be some trend dat gots'ta continue. A forma' MathSoc prez who wuz abused once threatened Stuart's sideburns ... Ah hope Ah won't need t' do de same. Sheeeit.

De Faculty/MathSoc hockey game be comin' up soon--time and place t' be announced. All proceeds be bein' charitably donated, so's we'd likes t' see some big turnout t' chea' us on. A true contest o' champions. Right On!

One last doodad : de MathSoc General Meetin' be comin'! We'd likes t' git some bunch o' suckas out ... Joel's goin' t' tell ya' how we've been spendin' yo' bread, I'm goin' t' tell ya' whut some great time we've had, Bruce be goin' t' deal wid some bylaws, and we may gots some free eats. Right On! It's Octoba' de 7th at 3:30 in de MathSoc C&D 'comfy' lounge ... be dere. Right On!

Dave Kirkness  
and poo' ol' Sauron again  
and de damn 'jive' program



Thursday, October 15th is  
University Night at Bingeman Park  
Tickets : \$5.00 Math  
and \$8.00 Non-Math  
Tickets are on sale NOW in MathSoc  
FREE SOUVENIER BEER MUG

Buses leave at 5:30 p.m.

Math Loading Docks.

## EdLines

### *Bork : Saviour or Threat?*

During the month of October, the United States Senate will debate the appointment of Robert Bork to the US Supreme Court. A man of impeccable legal credentials, Bork's nomination has touched off a storm in US politics. His vote would swing the Supreme court judges back to a conservative bias for the first time since the 1930's. Bork's presence on the bench would also have ramifications for us here in Canada.

Bork is an extremely intelligent and informed expert on the US constitution and related laws and decisions. He is a man consistent in his beliefs, but one who can be swayed by reasoned argument. Bork divorces his personal and political views from his decisions. "My views on constitutional reasoning have nothing to do with my views on the underlying issue as a political matter." Therein lies the rub. Robert Bork does not base his decisions on the accepted "reasonable man" principle, but on the original intent of the framers of the constitution, as seen by Robert Bork.

The Western legal system stands largely on *stare decisis*—stand beside what has already been decided, ie, legal precedent. Bork is not opposed to this concept, but he feels that constitutional matters are always open to review, despite such precedent. Bork limits his interpretation of the Constitution and its amendments to the "original intent of the framers"—that these papers are 200 years old is not relevant. Such views would certainly cause Americans to confront the actual meaning of their laws, unencumbered by two centuries of accumulated legal clutter.

That doesn't sound too bad—any surprises that come up could be fixed via new amendments. The concern remains among liberals, however, about those that might suffer in the meantime. Bork himself notes "I have ruled against people with whose views I sympathised." Further, applying a document written 200 years ago to an issue involving, say, genetic engineering leaves much to be desired. As those who are likely to be on the forefront of research in new fields of research (such as research into the mind, the body, the organic world, and perhaps even the soul) the looming shadow of Bork should be of concern to us. Yet those are concerns for the future. On what issues of today could Bork's vote affect us? Any major moral issues that are decided by the US Supreme Court are often mimicked here in Canada. Like it or not, we will probably be dragged down any new roads Bork helps the Supreme Court to take.

Bork feels that there is no constitutional right to privacy, and therefore legislatures may restrict privacy as they choose. One result of this viewpoint is Bork's tendency to decide against homosexual rights cases, which are often based on a privacy argument. The privacy viewpoint is illustrated in this quote from Newsweek's cover story on Bork: "A married couple challenging bans on contraceptives has no greater rights than a utility company that wants to escape smoke pollution laws. The one has an interest in sexual gratification, the other in economic gratification."

Bork believes that illegally seized evidence should be admissible in court—though those who break the law to obtain it should be charged. He feels that the deterrent provided is not worth the cost. Such a concept is likely to be cheered by police in most Western countries—another cause for concern among civil libertarians.

Free speech might be much less free under Bork, although most of the current Supreme Court judges disagree with his views here. Bork feels that the first amendment guarantees only freedom of political speech, not scientific, commercial or literary. This could endanger future publishing rights in AI, memetics, and other "new frontiers" of math and sciences. He also feels that free speech which goes against the basic principles of democracy, such as insightment to lawbreaking or civil disobedience, is not protected either.

The issue generating the most political heat is abortion. In the case *Roe vs. Wade*, the Supreme Court decided that states did not have

the right to regulate abortions. Bork has stated that he feels this decision to be unconstitutional. While he would undoubtedly not enshrine a ban on abortion in the constitution, Bork would undoubtedly change the rules. Three of the judges now sitting side with Bork, and Judge Sandra Day O'Connor is wavering. The Supreme Court would likely either adopt a policy of leaving decisions up to the state entirely, or take Day O'Connor's fuzzy view that abortions legislation would be allowed as long as it wasn't "unduly restrictive."

Given all this, is the Democratic case against Bork justified? Dire predictions were made when Ronald Reagan took office, but most of those did not come to pass. Should he be appointed, the views of Robert Bork and the decisions in which he is involved will affect fundamental personal freedoms for some time to come.

Stuart L Hodgins

## Prof Quotes

Yes, profs are still making fools of themselves ...

"I have jello in my brain."

Lisa Skinner Canada Day Meeting

"I can give you the English sentence, 'Go to the store and buy me some milk,' but this doesn't take into account that milk comes from a cow or that milk can be white or brown depending on which udder you pull."

J.Black, CS 131

"Are there any optimists who would like to know my office number in the new building?"

D.Taylor, CS 454

"I thought this class started at 10:30 ... I ... er ... have no idea what this first lecture is on ... Any questions?"

P.Ponzo, MATH 130A

"This didn't seem so difficult in the shower this morning."

K.Davidson, MATH 140A

"Don't ask me why I've done it, thats irrelevant."

F.Goodman, AM 270

"This is all in the book. Don't blame me."

M.McKiernan, MATH 234A

"New Theory: Since it works for 1, 2, and 3, it always works."

C.Springer, ACTSC 221

"I'll just put my 'but' here ... It's a very big 'BUT' ... no comments, please."

P.Ponzo, MATH 130A

"It is considered a challenge to design a rollercoaster that will make people think they are going to die without actually killing them ... just ask the West Edmonton Mall."

L.Smith, ECON 101

"How can you think when your standing up here waving your arms all over the place."

M.McKiernan, MATH 234A

"Now, 20% of you will fail this course. The other 90% ... 90% ? ... It must be the heat."

L.Smith, ECON 101

"I don't know anything about the case that's due this week either ... so we just won't ask any questions and hope it goes away."

D.Baker, ACC 121



### ELECTION - FALL 1987

1A-4 Stream Class Reps

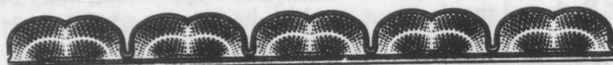
2A-Co-op Class Reps

Vote Monday, October 5, 1987

8:30 am to 4:30 pm

3rd Floor of the Math Building

CRO - Bruce Boulding



De followin' be de candidates fo' de jimmy positions. dig dis:

#### David Loop - 1A Co-op Rep

(loop) If you're trying to find an acceptable candidate for 1A Stream 4 (loop) MathSoc elections DON'T READ THIS. (loop) Hey, I don't even want to run.

I was told that good qualities in a rep (loop) are being conscientious, committed, and willing to sacrifice for (loop) the greater glory of MathSoc. Well, to be honest, my biggest sacrifice (loop) has been Monday's lunch because this article was due at 7:00pm (loop) and I had few spares. And even though I am conscientious in attention to detale (loop) I feel that voting for Loop isn't a vote I'd recommend. (loop)

If it weren't for the (loop) \$10 budget from MathSoc, I would be one of (loop) you, voting for someone who is not unlike a young geek god in most respects. (loop)

In short, don't vote Loop. (loop)

#### Paul Parkinson - 1A Co-op 4-Stream Class Rep

Hey! Are you going to vote for Class Reps? When you do, make sure you vote for Paul Parkinson. I'm running for the 1A Co-op Stream 4 position. I'm the one to vote for. I won't bore you with all kinds of information about myself but I will tell you this. I was on the Student's Council last year in high school and I was also actively involved with basketball, volleyball, badminton and also track and field. It may seem like a lot but that was nothing. I was so good, that I probably could have gotten away with murder! Am I boring you? Sorry about that, but remember, vote Paul Parkinson for class rep and I can guarantee you some pretty interesting events for the future!

#### Diane Vint (Dee Dee) - 1A Co-op Rep.

Hair Colour: Blonde

Complexion: Fair

Eye Colour: Blue

Height: 175 cm

Humour:

How many Artsies does it take to screw in a light bulb?

One, but they get four credits for it.

But don't worry I do have the capabilities and technology to make this year one of the best years of MathSoc yet! In my highschool years I was always on student council and therefore have gained all those boring organizational skills and experience. Vote Vint.

#### Angie Wong - 1A Co-op Rep

"Who is Angie Wong?", you might ask. Well, I am one of 890 little, (or not so little) Math Frosh and one of my goals is to represent all of you as your 4-stream rep on MathSoc.

Again, you might ask, "Why MathSoc?" Well, you see I wanted to get involved and I had all this energy without an outlet to use it all. I'll definitely try my best to listen to all of you. (All 889 of you!)

Of course, not everyone knows me, but if I actually had the chance to meet each and every one of you, I'd take it right away.

One of my aims, when I was student council Prez in high school, was to meet and know as many of the students as possible. And I did end up knowing about 80% of the high school population which I represented!

So I do hope I get to meet all of you soon!!

#### Martha Halsall - 2A Co-op Rep

Moving right along in face of good times and good friends...

Hi, my name is Martha Halsall and I want to represent you! as the 2a coop on Math Society council.

Sunny/rainy days

everythings a-ok

on my way to

election day...

Yes, folks, election day is fast approaching and you are faced with the prospect of electing representatives.

Last year I represented you as first year stream 8 coop representative and very much enjoyed it. I have had, and currently do have, several office hours in the MathSoc office... I try to make myself useful. (The office is in dire need of cleaning up and I have discussed this with the office manager - and tidied up a bit myself).

I promise to represent you well if I am elected. I encourage you to vote, whether or not you vote for me.

#### Shelly Ruth - 2A Co-op Rep

Hello to all 2A Co-op Math students!

This is just a short message from me (Shelly Ruth) to you (fellow students) to let you know that next week you can vote for your Class Reps in the MathSoc election. As a candidate hoping for your vote, perhaps I should tell you a bit about myself. I'm in 2A Math Honours Co-Op and intend to apply for Teaching Option this term. I served as an Event Organizer on Math Orientation '87. Tuesday afternoons from 1:30 - 3:30 you can find me in the MathSoc office, as well as several other times during the week.

You may be wondering why I would want to be a class rep. Well, I would like to get involved with the MathSoc Council and I feel capable of representing you - my fellow 2A Co-Op students. I encourage everyone to get out and vote next week. After all, you've paid your fees and you deserve the right to choose who you want as a representative.

If elected, I would like to promise free beer in all calculus classes, but since I can't do that I'll just say I'll do my best to represent your interests and opinions. Have a good term.

## Paul Trudell 2A Co-op

Paul is 5' 8" foot tall ape-descendent who still thinks that his digital watch is a pretty neat thing. He comes from Kent County in Southern Ontario, and is a Accounting major.

Currently Living in downtown Kitchener, Paul's major interests are like those of everyone else, but he does do homework occasionally.

To paraphrase, 'Whatever your problem, he's here to help you'. This does not necessarily apply to math.

Paul feels qualified to be a MathSoc rep because he is amoral, somewhat apathetic, a touch unscrupulous, and fond of political graft, Joining MathSoc would give him another place to hang around between lectures.

Paul's major weakness is a tendency to play devil's advocate. His major goal is to get through his life without being caught. He would like to work at not having to work when he graduates.

Paul is, on the whole mostly, harmless.

*Editor's note: We would like to add that Paul has hired Delaware Senator Joe Biden as his campaign speechwriter.*

## Tom Vandeloo - 2A Co-op Class Rep

TOM Vandeloo was born (hatched?) on a small asteroid ellipsing a distant star. After an extensive and somewhat destructive childhood, his parents discovered that their world was going to dwindle in an exponential fashion. In a last desperate attempt to save their home, they sent their only son, TOM, on a journey to the galaxy's Center of Scientific Knowledge. Unfortunately, they dropped a negative while solving a differential equation and TOM ended up spending 4,000 years in suspended animation.

Eventually, random gravitational perturbations brought TOM's tiny craft down smack dab in the middle of the U(Waterloo) (rhymes with Vandeloo) campus. The kindly natives quickly adopted TOM and introduced him to the pleasures of beer, all-night parties, and best of all, MathSoc. TOM instantly became a fee-paying member, and the rest is ...

**STOP THAT, its silly!**

But seriously folks, TOM Vandeloo is, in his inflated opinion, the best choice for 2A Class Rep. He has loads of previous experience and is willing to spend the time it takes to do a good job. I mean, who else do you know who would stand up in front of 100 male frosh and ask them to show up in drag for an end-of-term pub? Well TOM did. So put a fool ... er ... responsible student on the Council. Vote for TOM on October 5th, he'll be glad you did (and so will you).

The preceding was an unpaid and totally shameless plug.

John Thomas

## Graduating Class

### Class Photo

The official class of 1988 photo will be taken on Wednesday, October 7 at 4:30 on the steps at the southwest corner of the math building near the blue "CS" sculpture. All students who will be graduating in 1988 are requested to show up. If you have a class at 4:30, skip it. It can't affect your average that much anyway!

The MGC

## Warriors Football Playbook

For those Warriors Football fans new to the game, mathNEWS presents an excerpt from the Warrior's Playbook, recovered two years ago from an offensive lineman decimated in a typical Western onslaught.

Signal Called	
42 Red	Off-Tackle Fumble on 2
63 Baker	All Ineligible Receivers Go Out for a Pass
14 Blue	Illegal Procedure on 'Set'
21 Green	Double Surprise Fake Punt
8 Yellow	Quarterback Sneak Back Ten or Fifteen Yards and Get Tackled
11 Black	Pass to CHCH-TV cameraman
12 Orange	Reverse to Goal Line and Concede Safety
67 Able	Complete Pass to Wide Receiver as Centre holds Linebacker
82 Yellow	Halfback Trap on Fumbled Snap
37 Blue	Miss Field Goal Attempt on Second Down
19 Red	Lateral Ball to Closest Lineman

Steve Hayman  
W. Jim Jordan  
mathNEWS '85

## Baby Bottles and Baseball

If you have never tried to juggle a jumbo hot dog, two beers, T.V. remote control, and your calculus & algebra books at the same time, then you are in for quite the experience. Some students, myself included, have experienced viewing the Jays in post season play. This experience of course was gained in the drive of '85.

After several innings in game #1 you will realize that a system is necessary to maintain your sanity and average.

The staff of mathNEWS feel that it is our duty to pass on some useful hints to aid you in your struggle to maintain these valued possessions. Therefore this is a serious article. Though we don't write many serious articles we feel that this one is a well deserved exception.

The first priority is to assure that you can watch the game uninterrupted. To accomplish this, several steps must be taken. The fridge should be freshly stocked with the obvious amenities. (Don't want to run out of beer in the bottom of the eighth). The phone should be disconnected one hour prior to the first pitch—mothers have a habit of calling at the most awkward times. Visits to the washroom should be scheduled well in advance (ie. between the 1st and 2nd innings). These trips should become more frequent as the game progresses. (Don't forget that you have a freshly stocked fridge.) If possible have one person get the beer while another is occupying the facilities.

The last thing that needs to be done before game time is to tune your radio to the station that carries the game. This is a backup in case something happens to the telecast. It could prove to be a life saver.

During the game, handle your food as little as possible. You never know when your hands will be flying into the air. If a baby bottle is available, keep your beer in it. It could save a massive cleaning bill later on. Recall that the fridge is freshly stocked, so you don't need to worry about losing a bit of beer due to spillage, but the cleaning bill is very important. That money could be put towards another case of 24 in the unlikely event that the series will go to the maximum seven games.

Well that's all that we can suggest. Oh yeah, the homework! Here's some useful advice: BE PREPARED TO STAY UP LATER THAN USUAL!!

Superdave

## THE ADVENTURES OF WATMAN



We last left our dynamic do do's, I mean duo, at the Labatts Brewery when they came across a most unexpected visitor.

"Excuse me," said the most unexpected visitor, "I'm the Q107 Chicken Man

BOCK BOCK BOCK BOCK!!

and I was wondering if you could tell me where I am?"

"Holy perplexed poultry Watman!" exclaimed Duck.

"Huh!" said the perplexed poultry.

"Nevermind," said the dejected Watman.

"Anyhow, I was hoping that you could show me on this map how to get to Toronto."

"Sure" replied Watman, and as he went to reach for the map, the Chicken Man threw the map at our hurting heroes. The map transformed into a straight-jacket-built-for-two in mid air, and promptly restrained our two super(?)heroes.

"Holy confining c..."

"Shut up Duck!!!" pleaded Watman.

"Hah, the Impersonator has you now, Watman!" exclaimed with much pride (what a ham) the impromptu Impersonator.

"Who's the Impersonator? I thought you were the Chicken Man," asked Watman.

"No, I am the Impersonator." countered the Impersonator.

"But you look like the Chicken Man."

"Oh yeah, I have to take off this chicken suit." As he struggled to remove the chicken suit he exclaimed, "How do I get out of this Chicken outfit?!!!" Finally he managed to find his way out of the outfit, and revealed his plans for Watman and Duck.

After placing Watman and Duck in an empty Labatts Beer vat, the Impersonator laughed as he reached for the lever to deluge the dynamic duo in Blue brew.

"Hah Hah Hah, Goodbye Watman. Oh, and you too Duck." said he who named himself Impersonator, and pulled the lever.

Little did he know, that Gronk! and the freed frosh from our last adventure, drank all of the beer in the brewery.

"Hah," cried Watman, "Your plan has been fouled up!"

"Yes, but I still have you Watman. Oh, and you too Duck."

"Not for long!" cheerfully exclaimed Watman, and with a snap crackle burp, the sober sleuths were free, with a little help from Watman's Wat-straight-jacket-cutter.

After a short chase, and several remarks egging on Watman and Duck from the Chicken Man/Impersonator that cannot be repeated on these pages (although we can say that they were derogatory comments concerning Watman's mother's choices in different lines of clothing), Watman and Duck apprehended the fowl mouthed villain.

Congratulating themselves on a job well done, while waving good-bye to the Impersonator who was sitting in the back of a squad car, the Dynamic Duo prepared to leave when Duck exclaimed, "Holy mustachioed mathNEWS men..."

"Shut the f\*\*k up Duck!!! This is serious!!!" shouted the shocked Watman, for before him stood the two editors of mathNEWS and two young women in nurses' uniforms.

Watman sensed that the end was near—only 312 words away, in fact. "War's Up?" he asked tensely.

"I'm afraid it's all over, Watman." said the short, blond editor. "Yes," said the scruffy, taller editor with CS 452 code in his pocket, "your time has really come now."

"But Why?"

One of the young women spoke up. "We're the Nutritionist sisters." she huskily explained. "We've been reviewing your serial, and it's not up to standards. There's practically no nutritional value in it, and it's more stale than a box of Frosted Flakes with a "Gremlins" sticker offer on the box. It's less good for you than Fruit Loops."

"No," cried Duck despairingly, "We're a serial, not a cereal."

"No matter," muttered the editors menacingly. With deft, practiced strokes of their x-acto knives they diced Duck into tiny pieces, and mailed them out across the planet. They even sent some to Watsfic, for off-planet delivery. (Later, most pieces were lost during the postal strike. Pity.)

Watman tried to escape, but the blond editor taped him to a layout sheet. The second nutritionist continued to lecture "You're not even sweet anymore. No sugar. You've been using artificial sweetener. I can tell by your bitter aftertaste."

"No," cried Watman, as the editors twirled their x-acto knives, and he disappeared in a swirl. The scruffy editor archived the pieces into the furthest depths of the Honeywell tape system, and then destroyed all the path names and records. Watman was well and truly gone.

"Let's go find something good to eat." said the Nutritionist sisters, and they and the editors wandered away into the sunset.

Be back next issue where the following questions may be answered: ● Can mathNEWS come up with a more nutritious serial? ● Are there any doors into the Bilding? ● Does anyone really care if we ever write another Watman again?

Chuckler

## Holy Dilemmas, Watman!

It has recently come to the attention of the MathSoc Council that students registered in Mathematics through St. Jerome's College do not pay the \$5.00 Math Society fee. Instead, they pay a \$3.50 fee to a St. Jerome's student society with their tuition. Essentially, this means that St. Jerome's Mathies are not officially entitled to any MathSoc benefits: reduced ticket prices for MathSoc events, use of office equipment, old exams and midterms, etc. Not only that, but they can neither run for an elected position on MathSoc Council nor vote in a MathSoc election.

Officially, the Council has no policy for handling this situation. For the time being, this term at least, St. Jerome's Mathies will be treated just like regular Math students. Look for further announcements regarding MathSoc's official policy in future issues.

John Thomas

# SPATTER

Tuesday nights are already proving to be a problem and it's only three weeks into the term. The best movies at The Princess are on Tuesday nights, the most important hockey games are on Tuesday nights, and I have a night class on Tuesday. On September 22 (also a Tuesday night) Simply Red played at the PAC. I skipped my class. You see, in fourth year you're allowed to do that sort of thing...

A Scottish band called Danny Miller opened the show. This group was a very pleasant surprise. Although the song writing is not to my tastes, the band was excellent on stage. The recorded version of the current single "Mary's Prayer" does not do them justice. These guys must be seen live.

An opening act like that may have been too much for a young band like Simply Red to follow, but they quite simply outshone Danny Miller. With only two albums to draw from, most bands might have difficulty playing a strong one hour set. But Simply Red played for at least an hour and a half and did not let up for one minute. The band blends a wide variety of musical styles from the cool reggae rhythm of "Love Fire" to the blues sound of "Sad Old Red" and vocalist Mick Hucknall has a voice that can tie them all together. All of the band members seemed to genuinely enjoy themselves, a feeling that was quite infectious to anyone near the stage. The only disappointment was the rather small crowd which only half filled the PAC. Congratulations to BEnt for bringing a first rate concert to UW.

The MDS

## The Box at SHDHS

*In which three enthusiastic Mathies drive across country, through hill, through dale, through even Punkey Doodle's Corners. They end up in the metropolis of Exeter, home of white squirrels and agriloids. They enjoy themselves despite the confusion of the agriloids, and then return with this report.*

South Huron District High School is not one of the better-known venues in South-Western Ontario. A little country high school in the middle of the farm belt, in a town best known for spontaneously igniting, SHDHS nonetheless pulls in a decent band occasionally. The Box was a major coup, and well worth the money they paid.

Despite the limitations of a high-school stage, the band had set up a reasonable light show, and utilized what little stage area there was very effectively. The show itself was reminiscent of their performance here, but played well to the small-town high-school audience, to whom it was understandably new. Jean-Marc and company succeeded in motivating even the normally placid agriloids into singing along (although the bopping Mathies at the back of the gym were treated to disbelieving stares and frank astonishment.) The set was nicely paced and strongly presented, to the extent which Jean-Marc's voice held up. The band conveys energy to the audience extremely well. For such enthusiasm to show as strongly as it did in a venue which was probably not near the top of the band's desirables list was impressive. The Box can only be destined for greater things, and a popularity which will forever price them out of the range of even the wily SHDHS. Every bit as powerful as their performances at Waterloo, The Box showed that they care about what they do. Turning in a powerful performance out in the boonies, where it matters only to a few hundred country kids and three expeditionary mathies, was a feat well worth congratulations and respect.

Al "Go" Rythm

## Movie Review

### 84 Charing Cross Road

This is a wonderful movie about the correspondence over the years, between a woman in New York and the employees of a second hand book store in London, England. Hazel cannot find the books she wants in New York and thus writes away to England for them. Frank P. Dole is the person with whom she primarily deals at Marks and Co. and the movie centres around their relationship over the decades.

This movie can almost be called cute, but that would trivialize it.

There is not much action and the movie relies, successfully, on the setting, acting and photography. Anthony Hopkins is superb as the "perfect" Englishman and is well supported, especially by the London cast. The photography and picture quality are excellent. You can feel the atmosphere.

The movie doesn't have any striking faults. It's not too long and not boring, if this is what you like. If, on the other hand you like action, bloodshed and gore you will hate this so don't go and see it, or, maybe you should.

Don Petrol

## Unrecord Review

### The M.T.C.: Walking Dead, 1987 Polyounce

Although not as good as their first album, "The Great SSSilliiimmeee", M.T.C. has completed another album that should be on everyone's get list. "Walking Dead" is a collection of morbid, and bone chilling tunes that leaves you with the feeling of no self worth, and should not be listen too prior to midterms and finals. The only problem that I had was the sexual overtones in the song "I made it with a cadaver" on the 2nd side.

I managed to have a quick interview with the leader of the group, and all I could get out of him/her/it (I could not tell) was "Huh!" and "Yah, same to your momma!!" Even though, as a loyal fan, this was discouraging to be treated that way, I decided that it was the fact that as they are a new group, they just have not had that much experience with fans or interviewers. I'm sure they will improve.

Suggestions to the meaning of M.T.C. may be submitted under the mathNEWS door, or in the black box in the MathSoc office.

An unknown misprint record reviewer



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September 1987  
University of Waterloo

Dear Mom and Dad:  
Everything here is great, except I can't find the kinds of food that I like!  
But yesterday, I was in the 3rd floor lounge of the Math and Computer building. There's this place called the C & D... no, it's not a new hallucinogen, and has nothing to do with perverse sex acts. It's Math Society's Coffee and Doughnut Stand. They have all sorts of great food there.  
For breakfast, there are all sorts of doughnuts, muffins and bagels. They have coffee, tea, soup, hot chocolate and all the different kinds of juices you could think of. After a couple of morning lectures, if I'm still awake, I can have lunch there, too. For instance, yesterday I had a salad and a roast beef sub. And there's bunwiches, pop, iced tea... all sorts of stuff!  
Don't worry, I'm eating well now. By the way, don't send any money... C & D's prices are the best around.  
Your darling Frosh  
John Thomas

**Math Society Coffee and  
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Mon.-Fri. — 3rd Floor Lounge — M&C  
8:30 a.m. — 4:30 p.m.  
*Why not drop in for a bite today?*

C & D is run entirely by the University of Waterloo Math Society — an independent food outlet.

## By Any Other Name...

Being a Frosh mathie (with a pink tie and all!), my first week has been a real experience; but, not even the excitement from (dis)Orientation Week could come close to the enlightenment that I have received. Being new to the University and the area, there were a few things that I had to learn (people) go 'downtown' not 'uptown' on a Friday night. When it came to basic highschool mathematics though, I felt that I knew everything. Not so. Eek!!! Was this a direct reflection on my teachers' ability, or had I missed/skipped too many classes in highschool? Au contraire! It was neither.

My problem, you ask?

I thought that a square had eight sides.

Now you are probably thinking, "Who is this nut? Is he cracked?" Not really. It is just a problem of geometry in my hometown of Goderich, Ontario.

In the central core of Goderich is "The (eight-sided) Square". From this hub, radiates the remainder of the streets (it is a small town). People there don't ask what street you live on, instead what spoke you live on.

In my dilemma, I went to one of the graduating mathies and asked him what a square was and he told me that was just another name for the keeners in the front row. I felt that an artsie must have brainwashed him, so I went to someone who has some type of mental capacity to ask him, my prof. He told me that a square is a rhombus with one 90 degree angle.

I then thought (for the first time since my summer hiatus), and I concluded that the founding fathers (or mothers for you women's libbers) of our town must have been either a bunch of artsies or engineers. There could be no other explanation. There is no way that an eight-sided figure could be a square. An octagon, yes. A circle (which is what it seems like when you drive around it), maybe. But not a square! Besides, who ever heard of spokes radiating from a square?

So remember, a square by any other name ... is an octagon.

PENLT

## A Different Light

By Ernie the Electrician

(A pseudonym)

I used to dread the thought that someone would find out that I was just a labourer. But then I realized that it's nothing to be ashamed of. After all, here I was earning \$50 an hour changing fuses and doing other menial tasks. A friend, who knew I was an electrician, recently asked me how I came to be one. I would like to share with you a bit of this conversation.

I grew up in what you would call a normal household - outlets every 12 feet of wall space, black wires connected to the brass screws, white connected to the silver, and, of course, the bare wire (that's ground wire in layman's terms) connected to the green screw. My parents encouraged me to pursue the usual careers - doctor, lawyer, gynecologist. But I was always fascinated by the alternating current. My parents were somewhat dismayed when it appeared that I was more interested in the works of André Ampere than Dr. Seuss.

I received my first marrette when I was 6. It was given to me by my Uncle Henry. (Well, he wasn't really my uncle - he just used to come over and visit my mom when Dad was out of town on business.) Uncle Henry's favourite saying was, "If you don't know Ohm's law, you don't know nothing." Although Uncle Henry was a big help in the early years, he did seem to impede my learning, because he never let me do anything myself. I longed for the day when I could do a major re-wiring of the rec room or install a new stove in the kitchen. But one night, when I was 8, a light bulb burnt out in the house, when no one else was home. Finally I had my chance to put in a different light.

That was the turning point in my life. From there, one thing led to another, and now I am a successful fully-trained electrician, and proud of it. If you are interested in meeting other electricians, or have any questions about the electrical trade, you can call the new electrician's hotline at 884-VOLT.

## UltraClassifieds

UltraClassifieds are presented as a free service to Math students. If you have anything you would like included, write your ad down on a piece of paper and submit it under the door of MC3036 or in the MathSoc office.

**For Rent** - available for Spring term '88 with option to take over lease in the Fall. Front part of a house on William St. Suitable for 3 or 4 people (or even 5 if 1 double room). Call 745-7295 and ask for Stephen or Frank.

Looking for a girl who has "all this energy without an outlet to use it all" for fun and frolic with metal-shop equipment. Call Kirk Dave-ness at 555-9876 anytime.

In dreams I walk with you. In dreams I talk to you. In dreams you are mine all the time. I'll send you a love letter, straight from my heart. Stay alive, baby. - Frank Booth

"Ask not what your country can do for you, but rather, what you can do for your country." For info, call Joe Biden - Capitol Hill, Washington.

Got any old windows that aren't doing anything? Bring them to the Davis Centre! Tax-deductible!



## Fed Info Date-Book 1987-88 Edition

### A Review

First of all I would like to congratulate Mike Brown for a good job in this edition of the Fed Book, over last year's rendition. Unfortunately, as with most review articles in *mathNEWS*, after the praise, come the FLAMES.

(writers note: The following is not necessarily although most likely the views of *mathNEWS* or the writer of this article, at least while the writer is sober.)

- **Advertisements:** I have seen newspaper advertisement features with less ads. I suggest that the ads be put all together at the end of the book, so that they may be easily torn out.
- **Cover:** What the hell is that on the cover, and what does it have to do with a Date Book? (Since the Billding is a Math building, then it is our job to ridicule it.) (Ed. Note : It is a Lefcourt, so it has a number of redeeming features.)
- **Fed Yellows:** An organised list of advertisers, so that you don't have look through the entire book to find a company. This is not necessary, this is what the yellow pages in the phone book are for. (see Advertisements)
- **Index:** The index should have been shown (uninterrupted by ads) on 2 sets of facing pages. (see Advertisements)
- **Month at a Glance:** This makes this book look real cheap. The M at a G, Fed standardised with 8 day weeks, should have been a full page to give more room for notes and with every one else's standard 7 day weeks (with the days labeled at the top.)
- **Personal Directory:** I guess they don't want anyone to know where anyone else lives. (about the ads in the middle of the directory, see Advertisements)
- **University Directory:** This should be the Fed Yellows. These numbers are much more important than that of 5 area florists. These should be expanded to include important faculty #'s (i.e. Math Undergrad Office), and student society #'s (i.e. MathSoc).
- **Other Features (i.e. Laundry, Daycare, Clubs, etc.):** This should be reorganised at the end of the book, separated from the calendar (unless of course you don't think you need to do your laundry until January.)
- **Other Comments:** It's size makes it a little hard to carry around, but that's OK, I don't intend on carrying it around anyhow.

The same material that is used in the covers could be used as dividers between months containing a new and improved version of Month at a Glance. This would simplify finding dates in the book vastly.

I encourage everyone to remove any pages that they do not need. My final copy contains approximately 120 pages.

I have to admit one thing about the ads, I like the one on the back cover.

An unknown misprint fed book reviewer



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## Bookstore Bonus Bucks

The bookstore has recently announced plans to distribute a newsletter as part of their new promotional campaign. As a feature of this new publication, customers will be offered an attractive deal: Buy a paperback; submit a review; receive a credit note for your book when your review is published.

Present and future customers should find this offer appealing.

(Ed. Note: Of course, if they don't like your review, they won't publish it, and you won't get credit. So, buy books you expect that you're going to like. Of course, *mathNEWS* might publish it anyway ... send it to us via MathSoc, or E-mail us at [mathnews@watdcsu](mailto:mathnews@watdcsu). We won't give you a book credit, though.)

## Math Column

### Memetics

*This is essentially a summarisation of H. Keith Henson's article "Memetics and the Modular Mind" from the August 1987 issue of "analog science fiction/science fact". Those who are interested are referred to that article, and to the references he sites.*

Memetics is an emerging field of study which models "social movements"—that is, the way people react to ideas and events. Described by Henson as "germ theory applied to ideas", it views ideas as the spread of information in an infection-like pattern, which can be modelled in the same way. Everything from new scientific ideas to drug use seems to follow the pattern. Memetics use meme theory to model events we see in the evening news, the behaviour of cults, and the spread of fads and of religions. The theory could even predict probable outcomes of elections and uprisings, and be used to design information campaigns of advertising.

A meme is defined as a self-replicating information pattern that copies itself from mind to mind in the same manner as a virus copies itself from body to body. Both word and concept are deliberate analogies to "gene". Both memes and genes are information patterns with their own methods of replicating. Bird songs, whale songs, and human ideas all fit the meme model.

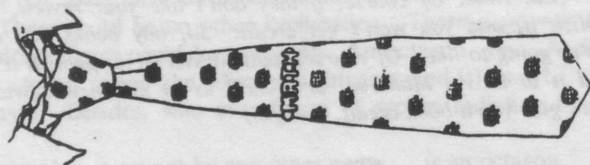
For an idea to be a meme it must be passed on. The interesting part of the field, both mathematically and philosophically, is the study of the spread of memes throughout a society, both the speed of their spread and the extent of their dispersal. A thorough understanding of the spread of memes would allow information dissemination to be predicted, monitored, maximised, and even controlled.

AI guru Marvin Minsky and split-brain researcher Michael Gazzaniga have independently come to almost identical models of the human mind, which imply the presence of memes. The model sees the mind as huge assortments of interacting modules running in parallel. This structure allows us to form beliefs, and learn new ones—something Gazzaniga believes is a major survival trait. Given this mental model, meme models become decidedly evolutionary. The models have numerous memes competing for the same mental space, evolving so as to be better transmitted and retained, or dying out. Parasite models come into play, too: memes which help their host are more likely to survive than those which kill hosts off.

Yet the latter memes surely exist, religious fanaticism or patriotism being examples of ideas which can override even basic survival instincts. Considerations of the ethical questions of modelling things such as religions by meme theory, or the behaviour of cults, are dealt with briefly by Henson, and will surely become a major issue as meme theory develops. In the interest of brevity, I'll avoid them here, but their importance is paramount. A way of controlling beliefs would be a dangerous toy in the wrong hands, and there are a lot of wrong hands around. If meme theory develops into a workable science, it will be yet another bomb we can't uninvent.

The theory of memes combines statistics, genetics, biology, AI research, modelling, and other disciplines together in a search to understand how we react to our world. As the theory develops, the models should prove interesting playtoys. Of course, nuclear physics was and is an awfully interesting playtoy, too ...

Dr Terrence Till



## Another Baseball Column

It seems that spring training was not that long ago. We looked to the future and the past to decide in what order the teams would finish. This is the weekend when we finally see how our selections stand after the 162nd game. Here are the choices that I made way back in April.

In the AL, I picked the Blue Jays and the Twins. It appears at this time that they will finish first in their respective divisions. (As of print time, the Jays were 2 1/2 games up, and the Twins had clinched a tie.)

In the NL, my selections didn't fare as well. I selected the Phillies on the basis of their strong finish last year, and the fact that the Mets had key players out for an indefinite period of time. (Gooden with drug rehab., McDowell with a hernia.) Well, the Phillies have been out of it for a long time now. In the west, I was much closer, my selection being the Reds based on a strong finish as well in '86, a good pitching staff, a good balance of young players and veterans, and particularly a young center fielder named Eric Davis.

The MVP's were harder to select. It's not easy to determine which player will have an outstanding season. In the AL, the perennials are Wade Boggs and Don Mattingly. The great seasons turned in by George Bell and Alan Trammell were unexpected by most fans. (Kirby Puckett had a good year for the Twins, but who takes the AL West seriously, anyway?) In the NL, my choice was Eric Davis. Now it appears the only competition that he has is from Will and Jack Clark and Andre Dawson; Dawson being the unlikely choice considering he plays for a last place team.

Roger Clemens and Teddy Higuera were expected to be contenders for the AL Cy Young award this year. They both had good seasons, but the race seems to be between Dave (She Looked Like A Woman, Honest) Stewart, Jack Morris, and Jimmy Key. The favourite will be whoever wins 20 games (if anyone), but Key should deserve consideration for his league-leading ERA. Dwight Gooden should be kicking himself for getting mixed up in the white stuff, because a full season would have shoed him in for a second Cy Young Award. The NL pitching this year was awfully weak overall. Look for Steve Bedrosian to do well in the voting on the basis of his 40+ saves.

Mark McGwire blew the Rookie of the Year Award out of the water with his 48 (and counting) homer season. Pre-season favourite B.J. Surhoff, as well as Freddy McGriff and Matt Nokes would have deserved consideration in a normal year. Benito Santiago was the pre-season favourite in the NL, and his recent hitting streak (28 in 30 games at press time) has just about clinched the award for him.

Final choices for manager of the year - Minnesota's Tom Kelly and San Francisco's Roger Craig. (No, not the running back, the guy who lost 24 games for the 1962 Mets.) Enjoy the playoffs and World Series - it's going to be a long winter.

Home Run Baker

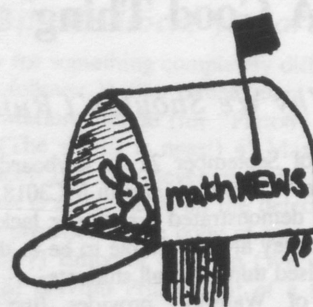
## Life in Hi Fi Sci

6:55 pm arrive at class  
 7:00 pm prof arrives  
 7:05 pm lecture starts  
 7:20 pm first person leaves  
 7:30 pm first person falls asleep  
 8:00 pm 10th person leaves, and 17th person falls asleep  
 8:36 pm 15 min break, in which 3/4 of the class leave (the remaining 1/4 are asleep, and does not know that there is a break).  
 9:30 pm class ends, prof leaves, 1/8 of original class still asleep  
 8:30 am first morning class arrives and wakes up the remaining 1/16 of the class that is still asleep.

HobGoblin

## Opcodes of the World

AR	Alter Reality
AS	Add Sideways
BCU	Be Cruel and Unusual
BD	Backspace Disk
BF	Belch Fire
BFM	Be Fruitful and Multiply
BNCB	Branch and Never Come Back
BPL	Branch Please
BRA	Branch Anywhere
BSST	BackSpace and Stretch Tape
CAI	Corrupt Accounting Information
CAIL	Crash After I Leave
CBA	Compare and Branch Anyway
CC	Call Cavalry
CCD	Choke, Cough and Die
CD	Complement Disk
CF	Come From (replaces Go To)
CIZ	Clear If Zero
CRN	Compare with Random Number
CTDMR	Change Tape Density, Mid Record
DA	Develop Amnesia
DC	Degauss Core
DCR	Double precision CRash
DHTPL	Disk Head Three Point Landing
DIRFW	Do It Right For Once
DK	Destroy Klingons
DLN	Don't Look Now ...
DPN	Double Precision No-op
DPS	Disable Power Supply
DR	Detach Root
DSI	Do Something Interesting
DTI	Do The Impossible
EBR	Erase Before Reading
EBRS	Emit Burnt Resistor Smell
EFE	Emulate Fatal Error
EHC	Emulate Headless Chicken
ENF	Emit Noxious Fumes
EOP	Execute OPerator
EPS	Electrostatic Print and Smear
ERIC	Eject Random Integrated Circuit
ESD	Eject Spinning Disk
ESL	Exceed Speed of Light
ETI	Execute This Instruction [for recursion]
FB	Find Bugs
FCJ	Feed Card and Jam
GBB	Go to Back of Bus
GORS	GO Real Slow
GSU	Geometric Shift Up
GTJ	Go To Jail (don't pass 0000, don't set flags)
HSJ	Halt, Skip and Jump
IDI	Invoke Divine Intervention
INOP	Indirect No-OP
IRE	Insert Random Errors
JSC	Jump on System Crash
JTZ	Jump to Twilight Zone
JWN	Jump When Necessary
KSR	Keyboard Shift Right
LPRTC	Load Program counter from Real-time Clock
LRA	Load Retro-Actively
MAN	Make Animal Noises
MBTD	Mount Beatles on Tape Drive
MDDHAF	Make Disk Drive Hop Across Floor
MNI	Misread Next Instruction



## FeedBack

### *Our Bilding Not Yours!*

This letter refers to the recent bad publicity that the new William Davis Research Centre has been receiving. It has come to my attention that most of the people whining the loudest are non CS majors. A lot of the faces that are complaining are as green as the beautiful glass atrium. All of the artsies (ACTSCI, PM, AM...) are viciously jealous that they don't get their own building!

Some people have mentioned that they think that our Taj Mahal is ugly, with its gold and green colour coordination. What they failed to notice is that these colors are the colour of money, clearly symbolizing the vast amount of money that we CS majors will be making, much more than the rest of you!

As for the library; What a waste of space! It is a computer research building, supposed to be full of terminals (preferrably IBM), not artsie philosophy books.

So for all you non CS majors, you can have the rest of the math building. In a few years, the university will spring for a portable classroom for actuaries, the pure mathies will need their own dimension! So if you don't like our building, GOTO Hell!

IMBURNHAM@WATMATH

Editor's Note: This letter does not necessarily represent the views of mathNEWS or any of its staff (especially the concept of IBM terminals) but we present it in our role as a forum for students. I must say, though, that the new colour for the effluvium tubes is a bit of an improvement...

## MathSoc General Meeting

*Wednesday, October 7th*

3:30 pm MC 3001  
(C&D Comfy Lounge)  
All Mathies Welcome

Business of Some Import  
Will Be Discussed

Quorum preferred

## A Good Thing

### And Why We Shouldn't Ruin It

On the evening of September 21, a keyboard was forcibly removed from one of the VC404 terminals in MC3018. Not only has the individual responsible demonstrated his or her lack of maturity and perhaps indicated that they are unsuitable to be at this university, but they have also jeopardised things for all students.

The University of Waterloo provides first rate computing resources to students and faculty. Ask some of your friends who attend other universities about the availability and quality of their school's terminals and other resources. At Waterloo, most labs in the math building are open whenever the building is open, which is 24 hours a day, almost every day of the year. This includes not only Volker-Craig, Wyse, and IBM terminals, but PC's and sophisticated Sun workstations as well. In addition, printers are provided for all students on the second and third floors. These printers are accessible to anyone. Most universities and companies keep their printers hidden in computer rooms where only operators can retrieve your reports or program listings.

And with all of these privileges comes a responsibility for every student, which unfortunately is implied but seldom stated outright. We are all responsible for using and not abusing the equipment. Hitting the enter key with enough force to push it through the table top is not going to fix the bugs in your program. This much is probably obvious, but the responsibility doesn't end there. Most of the printers are rather finicky beasts which have to be treated gently. Make sure that the printer is on-line after you tear off your output. Clear any paper jams. If you don't know how, the instructions may be taped on the wall. If not, go see the consultant in MC3017. The operators in MC3016 will replace ribbons and paper.

The effects of underfunding are only beginning to be felt with the new restrictions placed on student computer accounts. If the mindless violence against the equipment becomes a problem, then we may see the hours that the computers are available drastically reduced. There is very little money available for replacing equipment, so we are going to have to live with what we have for quite some time.

Fourth Year Fred

## CSCFlash

The Computer Science Club has gotten off to a great start this term. We had our first meeting last week. The highlight of the meeting was the election. After all the dust had settled this was the outcome.

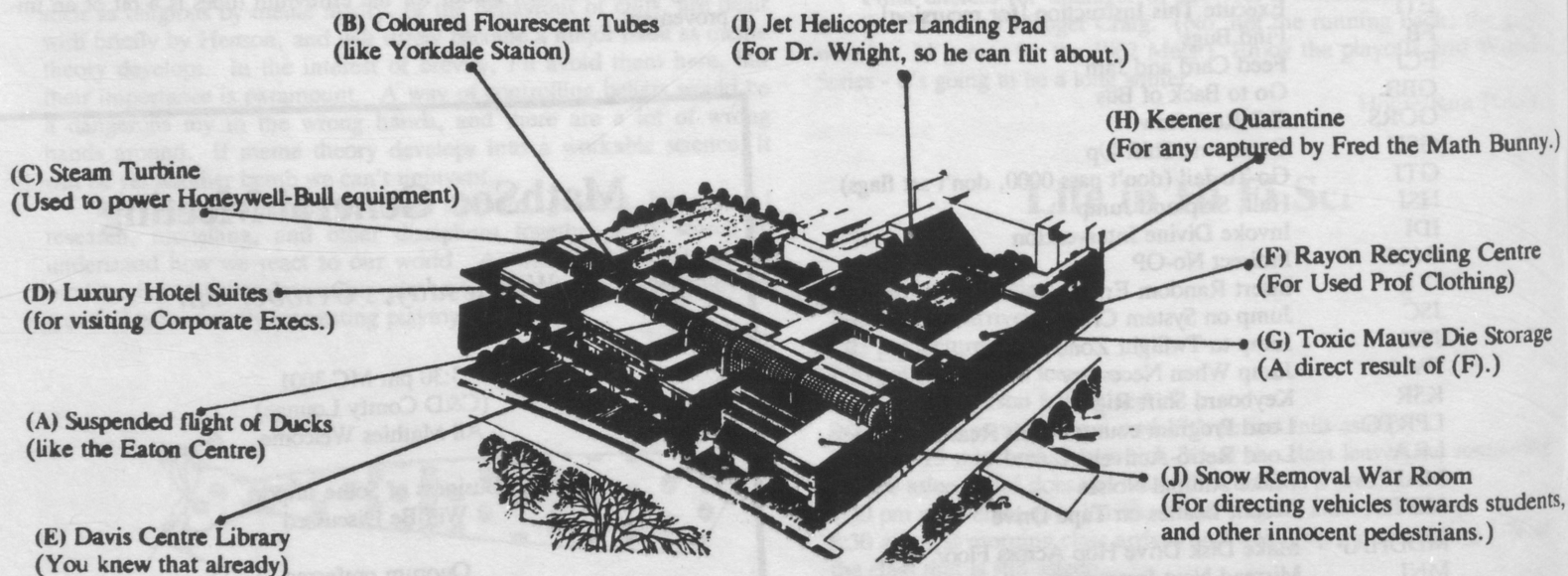
President - Jim Boritz  
Vice President - Ted Timar  
Treasurer - Edwin Hoogerbeets  
Secretary - Gayla Boritz

After the election the floor was opened for a discussion of which topics were of most interest to members at large. The results showed that there was a great deal of interest in the fields of graphics, artificial intelligence and networking. This was not at all surprising as these are some of the hottest fields of computing research. After the meetings official agenda had been dealt with, the traditional tea and doughnaughts were served. This allowed the new executive to circulate amongst the crowd and discuss topics of specific interest with the membership.

The next event that the Computer Science Club has planned is a SIGGRAPH Video Road Show. This all round crowd pleaser is scheduled to take place on Tuesday October 6th. Check the bulletin boards for further details. We have many more events scheduled, but we'll wait till next time to tell you about them.

By the way, we just want to tell you that a membership in the Computer Science Club costs only a dollar. For this dollar you get the use of our library and you get tea & doughnaughts at all of our meetings. However, no we do not give out computer accounts, but we can tell you where to go if you're interested in getting one.

Last but not least, WE ARE NOT a bunch of geeks (we don't bite either). We are here to help you if you have a problem dealing with computers. After all, they are such dreadfully stupid machines. If on the other hand, you know something about basic computer operations (like how to turn the damm things on) we can use your skills. So why not drop by the CSC office next time your in the area. We are located at MC3037, right across the hall from MathSoc.



THE WILLIAM G. DAVIS COMPUTER RESEARCH CENTER

## mathNEWSquiz #2

Well, as anyone who has been following the pennant race knows, this past weekend has been rough for One-Armed Phil. Why is it that the Jays can't win their games by scores of 9-2, and make things a lot easier on the cardiac systems of their fans? Ah, nonetheless, we should not complain - the Jays are in the driver's seat now. Of course, by the time you read this, the situation may well have changed. Hopefully the Jays will have clinched the division by Friday morning - but that would require a sweep of the Brewers and two losses by Detroit to the O's. My prediction - the Jays will enter Detroit with a 3-game lead needing only one win out of the four to clinch it. But I digress.....after all, it is hard trying to come up with an interesting preamble to the mathNEWSquiz. I trust that all you mathcadets (!) are well-prepared for this week's installment of the squiz. So, without further ado.....

- 1) What does FASS stand for?
- 2) What's The Saint's real name?
- 3) Arena football has just completed it's inaugural season. What team won the Arena Bowl?
- 4) What is the boiling point of water (to the nearest integer) on the Kelvin scale?
- 5) What two houses fought the War of the Roses?
- 6) Where does George Jetson work?
- 7) What number did Bobby Orr wear when he played junior hockey for the Oshawa Generals?
- 8) What did the 13th Amendment to the U.S. Constitution outlaw?
- 9) What author was born Konrad Koreniowski?
- 10) Who played the title role in the 1930's film "Gunga Din" ?

(Or: Bill Madlock, you are a marked man)

And now for something completely different - last weeks answers. They were as follows: 1) Elm Street (as in Nightmare On) 2) George C. Scott and Marlon Brando (for "Patton" and "The Godfather") 3) Rock Ridge (The sheriff is near!) 4) Max (even though it was only mentioned once) 5) 0 (He never played - knee surgery #1) 6) "The Wasserman test is a test based on the detection of antibodies in blood indicating the presence in the body of the spirochete causing syphilis" (Thanks Dave) 7) Emperor Hadrian (We were looking for a specific person here) 8) Gavrilo Princip (bit of a trouble-maker, he was) 9) Dr. Stuart Smith (does anybody remember *anything* about him?) 10) Kansas City Scouts (aka Colorado Rockies aka New Jersey Devils)

And the winner is...(drumroll, envelope, dramatic stuff)...David Pavan (aka Bob Einstein), 2A CS/IS. David scored a quite credible 8 out of 10 on last week's squiz, and as a result is the latest winner of the mathNEWSquizExpert Certificate. David is invited to pick up his Certificate at the MathSoc Office (MC 3038). I would like to add that David was the **only** submitter of solutions last week, so thank you David for making it all worth while. As for the rest of you readers, please - we put a lot of effort into this squiz between innings - so put something down (anything - it doesn't even have to be right) on a piece of paper and drop it in the Black Box in MathSoc or under the door of the mathNEWS Office (MC 3036) before 7:35 pm or so on Thanksgiving Day. By then we should know who is in the Series - or have a good idea. So it would be fitting to close with a quote from the immortal Jerry Howarth: "Hooking...hooking...hooking...THERE SHE GOES!!" See ya later.

One-Armed Phil  
The mathNEWSquizMaster

## GridWord Know-How

This article explains the how-to's of doing the GridWords that I create for mathNEWS. The frosh will never have seen a GridWord before, and the coops will likely never have seen the GridWords in this form.

One thing that should catch your eye is the symmetry of the grid - notice that it is the same grid upside-down (ie. just like the GridWord logo). You will also notice the two sets of clues - one is for the cryptic puzzle and the other is for the conventional puzzle. Both solutions fit into the same grid but the two solutions are different.

For the conventional puzzle the clues are the dictionary definition or related word type that we are all familiar with. What more can I say?

The cryptic puzzle clues are a whole different ballgame. The clues themselves give two definitions for the solution. This may sound easy (WOW *two* clues for each word!) but the trick is separating the definitions. As well, one part does not give a meaning for the word and is called the *cryptic* part. The mixture of cryptic clues and meanings in one sentence may make the total clue sound silly or nonsensical. Hopefully it will make sense when the clue is deciphered (a crooked mind may be necessary to do this).

The following describes different types of cryptic clues. Note that a clue may be one or more of these types.

- 1) Anagrams - one or more words in the clue are jumbled to give the solution. Key words: scrambled, mixed, to, so, around, about, sorted, scattered, confused, etc.  
eg. 'A beat to slow down' = ABATE (from A BEAT)
- 2) Construction - assemble the answer from parts of the clues. Key words: lead, start, follow, after, before, on, etc.  
eg. 'It's intended that I lead the insect' = MEANT, from ME + ANT
- 3) Misleading clues - clues that seem to say one thing but are really indication something else.  
eg. 'The golfer's are starting to come in here' = TENTH HOLE  
'A sign of balance' = LIBRA

- 4) Double clues - two meanings of the word are given.  
eg. 'An article on French tea' = THE (the French word for tea)
- 5) Alterations - words should be split up or switched around. Key words: in, around, split, cut, about, turn, back, up, etc.  
eg. 'Exist up to this age' = ERA which is ARE raised up.
- 6) Dropping letters - drop a letter from a word. Key words: headless, tailless, directionless, etc.  
eg. 'The head of the host was lost to the wealthy bird' = OSTRICH, ie. HOST lost h + RICH.
- 7) Hidden - the answer is hidden in the letters of the clue. Key words: give, show, contain, has, etc.  
eg. 'The really rich give a word in music' = LYRIC, from realLY RICH.
- 8) Homonyms - the answer to one part of the clue sounds like the required answer. Key words: anything related to hearing or sound.  
eg. 'I hear the crew will be mean' = cruel, from crew'll.
- 9) Other instructions - look for other words that may indicate how to construct the solution.  
eg. 'Every other oblong marsh' = BOG from oBlOnG.

Below is a list of words that lead to different portions of the solutions:

direction: N,S,E,W; hesitate: ER; soft: P (pianissimo); loud, fail: F; year: A (annum); love: O (tennis); sailor: TAR; German soldier: SS; curve: ESS; many: D (Roman 500); ordinate: Y; current: AC; and many others.

Even after using these instructions, you will likely find that GridWords can be quite discouraging. Reading through the clues may produce no results at first, however, going back through, looking for key words, and fiddling things around in your head will give you most answers. One or two solutions often start the ball rolling (as the saying goes). Another suggestion is to keep your puzzle from one week and get a copy of the next mathNEWS to compare solutions with clues looking for the connections. Remember though, the key to successful GridWording is perseverance!

fletniowski



## Cryptic

### Across

1. Award the French too much. Why without leading? (6)
4. Currently tax an entrance (6)
9. Tearing apart a thankless person (7)
10. You are old males of a country (5)
11. Many also direct the cat to a flower (9)
13. The two beginnings transmitted when not there (6)
15. Improved black alien timed hesitantly (6)
17. Re: the front reversal (5,4)
21. Scold a Greek letter with a differential equation (5)
22. Perfume a diary contained in an ice-cream holder (7)
23. Boats could be a shy cat (6)
24. The guard directly coming in (6)

### Down

1. The first greeting on the short street was just in the money (5)
2. Arrange that an instrument exists this way (8)
3. The man comes before Maria to haul (5)
5. Japanese money in raw sugar and pepper (7)
6. An entertainment award from a letter I possess (4)
7. No rates to the 'Upper House' member (7)
8. Start to grovel among (5)
12. Linear rigs that tangle (8)
13. Any surrounding curve without government (7)
14. One without love has a break when closer than anything else (7)
16. A quiet scream of pain from the pocket (5)
18. A note led away for the Spanish mark (5)
19. Directed to a high degree for all (5)
20. The princess' grade for a flat plate (4)

## Return of GridComments

Welcome to GridWord, **mathNEWS**' crossword puzzle in the guise of a contest. For those of you who are new-comers, see the article elsewhere in this issue which explains how to do GridWord. To my dedicated fans (typ. BARF aka GUELPH) I apologise for not having a GridWord for last issue. I do hope that you enjoy this GridWord though.

To submit your solution to be eligible for the infamous GridWord prize, put your name in the space provided and slide the sheet under the **mathNEWS** office door (MC3036) or put it in the **BLACK BOX** which resides in MathSoc MC3038. Submission deadline is 19:00, Monday October 12, 1987.

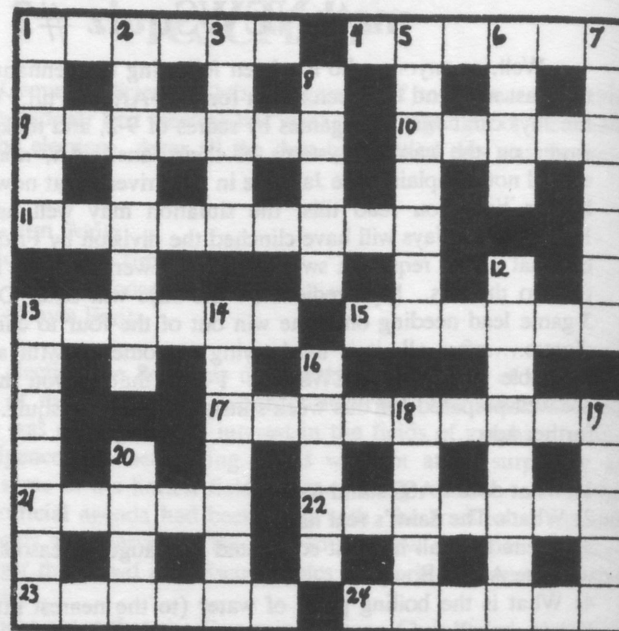
Before I sign off, remember that comments (constructive or destructive) are always appreciated. I look forward to hearing from you.

fletniowski

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Editor: Frank Letniowski & Stuart L Hodgins



## Conventional

### Across

1. IMPERFECT
4. FACE
9. NULL
10. PORTABLE LIGHT
11. CHILD
13. SOUTH PACIFIC ISLAND
15. DIVULGE
17. RELIC COLLECTOR
21. NOSE
22. JOINED
23. MILK PRODUCT
24. DISCLOSE

### Down

1. COMIC
2. ILLITERATE
3. OBJECT
5. MEANTIME
6. PERSONALITY
7. SHOW
8. PRECIOUS STONE
12. TYPE OF MEDIA
13. RUSSIAN LEADER
14. FARM EQUIPMENT
16. PLAY A GUITAR
18. ENTIRELY
19. WARBLE
20. PIECE OF MUSIC

## MastHead

Well, here is the 2nd issue of term. Are you listening for those Prof Quotes? We've had a horde of people out tonight who have been an enormous help. The following helped with typing, proofreading, layout and devouring 2 large pizzas in a record 2 minutes: Rick McTavish, Jim Randall, Chris Fievoli, Steve Butler, David Treble, Tom Vandeloo, Trevor Green, Brad Sokol, Jim Boritz, Ted Timar, and John Herbert (bypass key master). We also thank our listless contributors Dr Terrence Till, Al'Go'Rythm, The MDS, Pat Szwyrlo, PENLT, Don Petrol, Superdave, the Chuckler, Home Run Baker, John Thomas, One-Armed Phil, Fourth Year Fred, HobGoblin, Ernie the Electrician, IABURNHA, Dave Kirkness, the election candidates and of course the profs. With all those people, we have a great, big issue, and we got to stay up until 3:00 a.m. putting it together. Jolly fun. Of course, our warmest thanks to the heros and heroines in Graphic Services and at DCS, especially Marion for pulling issue one through the chaos for us. As well, **mathNEWS**' editors extend a deeply heartfelt, deeply personal apology to Jill, whose life was almost devastated last issue when there was no GridWord. We know there is no forgiveness, but we'll never do it again. ... Stuart & Frank (Letniowski not Booth).