

# MATHLETES REMAIN UNDEFEATED!!!!!!

Last Monday night at Seagram Stadium gymnasium, the Mathsoc Intramural "B" Ball Hockey team (complete with team T-shirts this time) once again stormed to victory, this time with a 6-3 thrashing of The Reactionaries. With no games having been played on Thanksgiving weekend, Math now has a perfect 2-0 record, with 3 games remaining before the playoffs.

Monday's game was a much different story than our first victory (7-0 over The Chevron), in that the play was much more physical in the corners and along the walls. Mathsoc played much of the game shorthanded due to roughing penalties, and even took one penalty for too many men on the floor with one man already off. The Reactionaries took advantage of these penalties, scoring at least once on the power-play. However, the true story of

the game was the precision passing of the Mathie team. Rob's winning goal was a picture-perfect give and go play that executed beautifully, and some one fed me with a pass that even I was able to shove into the net for our final goal. Now that's sharp passing. As in our first game, we far outnumbered the opposition, and won the game in the second half when The Reactionaries began to wear down. It will be interesting to see if we fare as well against a team with as big a turnout as we've been getting. Spirits on the team are high right now, though, and our play certainly improved from our first game to the second.

Next game is Monday night at 8:45. Rumour has it that Marcia Mathie is trying to organize a cheerleading squad for us.

John Gross

## Survey

No, not another of those **mathNEWS** surveys. This one is for a project I am working on. I am interested in defining a large data base that just about anyone can access, if they have some simple equipment. I imagine it being printed out on a T.V. screen, and queried by a simple keyboard (perhaps even a touch tone pad). What I am interested in is what you would like to see on it.

Some of the thing I can think of are: what's on at the cinemas and theatres, concerts, community events, good buys on food, recipes that use food that's in season, and maybe stuff that's in the yellow pages, such as "which stereo dealers sell Yamaha components?"

What do you think would be useful to you? What do you think other people would like to see? If you have any ideas, send them to **GSAshby** on the Bun, or through **mathNEWS**. Thanks.

Graham Ashby

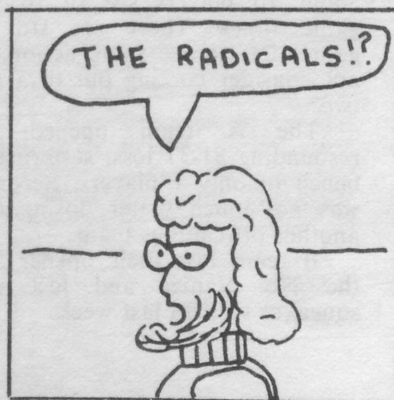
Volume 18, Issue 5  
Friday, October 20,  
1978

# math NEWS

## FITNESS CHALLENGE

If you were around here last winter you may remember the fitness challenge by U Vic out in BC. We had almost 1000 students jogging but U Vic did better. This time Carleton University in our nation's capitol has issued a challenge to all Canadian Universities, and UW has agreed to participate.

This year's challenge involves running, jogging, or walking one mile at least three times a week, the idea being to get people activated the recommended number of times. Entry sheets are available in Mathsoc or Intramural offices and although you can enter individually it is suggested you form a team of 5 to 10 people, designating one person to keep track of the team's mileage.





# math MATHEMATICS

No, this is not a **mathleticNEWS**, maybe next week. A lot has happened since the last issue of **mathNEWS** so this time we have lots of sports. A comment about our Co-Rec activities: **WE NEED FEMALES!!** Our apologies to the Flying V's volleyball team, but if no girls show for the games there's not much we can do about it. (I actually played in those games last week -- it ain't as easy as it looks)

The last activity to get underway is the wonderful sport of broomball. 8 girls and 39 guys signed to play on Math teams, so what happened is as follows: for Friday afternoons a team called **Mathsocists** was formed, featuring those broomballers from **Mathsoc** who have made Friday afternoon games a tradition; the remaining people were listed and formed a **Mathies** team which will play on Tuesday nights. The teams were scheduled so as to allow everyone a choice of game dates, and it is hoped (by me) that players will limit themselves to play for only one team due mainly to the large number of players. We need a captain/organizer for the **Mathies** team. Anyone interested can stop by **Mathsoc** and let us know.

## TOURNAMENTS

There is still time to get entries in for the curling, squash singles, and badminton singles.

Results in from two earlier Intramural tournaments, golf and tennis, feature good showings by Math students. The threesome of Scott Winhold, Tim Schwartz, and Gary Stearns placed second in the golf event at Elmira. The Arts team won by two strokes over Math and 13 ahead of St. Jerome's, but the low score of the day was a 71 by Scott Winhold ... a belated congratulations!!

There were 25 Math students entered in the tennis singles competition and we were well represented in the finals. Pete Christiaans, John Pongrac, and Nick Barrett were among the five A level finalists. Nick was in the final, but lost 6-2, 6-2 to Karl Culik of the Computer Science department. Two of the four B finalists were from Math, Dan Browett and Larry Pollock. Bob Yamamoto (ESS) defeated Larry 6-0, 4-6, 6-3 to take the B title.

## SOCCER

The A league team just hasn't been able to get on track. In four games thus far they lost 5-1 and 4-0 to ESS, 5-1 to the Greeks and 3-0 to the Chinese Students Association. The A league is a tough place to play, featuring last year's Intramural Championship team, the Greeks, who look like they may be in a position to hold on to their title.

There is one A game left against the CSA; it was to be played on Thursday Oct 19 so we can only hope the team came out on the better end of the score this time.

The Math B team is in a division with a bunch of engineering teams and that makes for tough competition because of the engineer's class system. Our team is mostly frosh just starting to form as a unit, whereas the engineers are together all the time, many for several years. It has provided good experience so far and hopefully the team will consider signing up again next year.

After being totally outplayed and outscored 6-0 by Mechanical Eng, Math had a close 1-0 loss to 3B Chem Eng which saw the tying goal disallowed. Optometry was the first to fall victim to the improved team play as Math B scored their first win, 2-1. A lost to Chem '79 followed by a tie with CSA II last week has hurt their playoff chances, but there is still hope. Their final game of the season was Thursday, yesterday as you read this, and if they managed to win against the engineers it would provide a 2-3-1 win/loss/tie record, allowing a possibility of a playoff wild card berth. Best of luck -- hope the sweaters got there in time.

## BASKETBALL

It appears both the Math A and B teams are in a little difficulty in this sport. There was no shortage of players on the sign-up lists but it seems only about 10 players see fit to show at game times. There are still enough games left to see some action, so why not consider coming out to a game or two?

The A team opened with a resounding 81-37 loss, suffering from a bench of only 7 players. Second game was not much better, losing 67-21 to another off-campus team.

B team lost their opener 52-34 to the No Names and lost a 29-28 squeaker to ESS last week.

## ICE HOCKEY

The sign-up sheets for the A and B levels were overflowing, while the C level and recreational play were almost non-existent. The Intramural department found that by offering B level contact hockey the C non-contact hockey was passed over by all but a few players. The resulting cancellation of the C level means that non-contact hockey will be available only as a recreational activity. Math failed to place a team in the recreational level but attempts are being made to make sure that the six who signed that sheet will be able to play on other teams if they wish. Unfortunately that is what happens when not enough people sign up.

The Math A team is being organized by Ed Lebar (576-0922) and Murray Spivey (885-3968). Several practices have been held in an attempt to form a team in time for their opening game on Thursday October 26. Unfortunately no one stepped forward to captain the B team and that may not help the team's performance in the season opener (last Wednesday night, after **mathNEWS** publication). It was hoped that an organizational group could be formed at that game, so you should be able to find out who the captain is by now.

As stated, there was an abundance of names on the sign-up lists so we should have no problem in fielding two teams of reasonable calibre. If you missed out on the hockey practices and still want to get in on the action, try contacting the captains and see what they say. If the Math teams are full, the **Mathletics** director can attempt to place you on another team in need of players. Hopefully there will be room for everyone who wants to play.

A fitting collection of three,  
Were epsilon, delta, and me:  
In, epsilon moved,  
Pushing delta, and proved,  
My functions have limits, you see!

A matrix of envious rank,  
Inverted himself, with a yank,  
Such a trivial move,  
Just intended to prove,  
LDU is a farce! (to be frank).  
(Especially for students of 2nd year algebra...)



## BALL HOCKEY

Something unusual is going on here -- our guys are winning!

In their first two games Math A has had no problems disposing of the opposition. A miscue by the Intramurals forced the team to play in the B league and now the other teams are paying for it. West 5 were handled easily in the league opener, Math winning 9-1. In their second game they handed Wally's Winners their first loss with a score of 7-1.

If you saw the front page of last week's **mathNEWS** you had a first hand account of the Math B team's 7-0 victory over the Chevron. Not much else can be said. Earlier this week Math B met with the Reactionaries and doubled the score on them, winning 6-3.

Both these teams look pretty good, even better since the T-shirts came in, and credit must be given to the efforts of the team captains as well as all the players for their organization and team play.

## FLAG FOOTBALL

After their opening 3-2 loss to Fubar, the Math team met the top of the B1 league, *Derniere Chance*. The *Chance*, captained and quarterbacked by the ever-truthful John 'no, really, our team doesn't have a chance' Karam (formerly of last year's *Bionics*), featured John's computer card offence which the Math team simply could not read. Math prefers defensive battles, finding it hard to move the ball on offence, and ended the game with a quarterback sack by PC Kelly as ex-patriot Karam tried a long bomb. The team could use a few more players, if only to give the regulars an occasional rest. With only 13 men there is a lot of double duty.

A loss last week to *Meatball* saw the Math team improve again on defence but failed to generate much on offence, and virtually eliminated any hope of playoff action. But it's the engineers to the rescue!! Thanks to the actions (actually non-actions) of One Eng Blue the Math Flag Football team is credited with their first win in two full seasons. Yes, last year the mathies failed to get a victory posted over their competition, but this year the engineers failed to meet the gruelling schedule and were forced to withdraw from play. That amounts to a victory for our guys, who now have a 1-3 record. There is still a game to go, so why not try and make it if only to provide vocal support.

system ?math  
system: math -- non-existent  
What are we doing here then?

## ARTS CENTRE

### MOE KOFFMAN

On Friday, October 20, Moe Koffman will be giving two concerts in the Humanities Theatre. First show is at 7:00 pm and the second show is at 9:30 pm. Reserved seat tickets are \$6.00 (\$4.50 Stu./Sen.) and are available at The Arts Centre Box Office, Bishop's Style Shop in Stanley Park Mall, and The KW Symphony Office on King St. N. in Waterloo.

### KAREN KAIN and FRANK AUGUSTYN

The UW Arts Centre Dance Spectacular Series sold out several weeks ago to subscribers. Because of the great popularity of the series and the continuing interest in the performance here of Karen Kain and Frank Augustyn with the *Entre-Six Dance Co.* of Montreal, another performance has been arranged for Saturday Jan. 6, 1979, in the Humanities Theatre at 8 p.m. Tickets are on sale at Arts Centre Box office, and the other places listed above for \$8.00 (Stu./Sen. \$6.50).

### INFERNAL IMAGES

*Infernal Images* will be showing until Nov. 5 at the Arts Centre Gallery. Admission FREE. (The Price is Right) The Arts Centre Gallery is in the Modern Languages Building and is open from 9 a.m. to 4 p.m. Monday to Friday and from 2 to 5 p.m. on Sunday.

## INNER TUBE WATER POLO

Last Sunday (Oct. 15) the Math Sea Horses were supposed to play a game. First of all, I would like to express my thanks to everyone who showed up. It seems that we were locked out of the pool (OUR pool) and I was told that it was because of the *Oktoberfest Water Polo Tournament*. Why were we not informed that intra-murals were going to be canceled? The people in charge must have known long enough in advance to tell us. It is a royal pain to come up to the campus for a game only to find it has been cancelled without notice. At any rate, we will try again next week. The game starts at 7:45 p.m. in the PAC Pool (if we aren't locked out).

jrbakker  
-coach

## THE MARCIA MATHIE

## WELCOME TO MIDTERMS

## ADVICE COLUMN

Hello there, hope you didn't miss me, last week but I was booked solid. This week I'm dedicating my whole column to the following letter:

Dear Marcia:  
MIDTERMS! HELP!!!

Failing

Well Failing, you're not alone. All of a sudden, from the serenity of the starting of school, the dreaded beast of exams raises its ugly head in the form of mid-terms.

By now, most of you have already suffered the excruciating realization that the party's over. Cries of '*But it seems like we only started last week*' and '*Why did I leave it so long to start studying?*' can be heard echoing through the halls.

Well, friends, there is a way to survive this terrible time of trouble. Simply follow Marcia's hints:

### BEFORE THE EXAM

- 1) Remember Murphy's Second Law: If everything is going well, you've missed something.
- 2) Stay away from windows of high buildings.
- 3) Ask somebody! Profs and tutors are there to help you. Most of them are vcery willing to.
- 4) Don't give up

### DURING THE EXAM

- 1) If your exam is in a high building, stay away from windows.
- 2) Double-check everything. Stupid mistakes can cost a lot of marks.
- 3) If things are going really poorly, this may be a good time to consider religion. There are no rules against divine intervention.
- 4) Remember Murphy's Second Law.



## ETAOIN SHRDLU

A whole bunch of things to talk about this week:

First, hats off to Gilles Villeneuve for winning the Canadian Grand Prix at Ile Notre Dame in Montreal on Thanksgiving weekend. Not only was it his first Formula 1 win, it was also the first for any Canadian, and he did it in fine style before a home-town crowd. A few more years experience and a somewhat better car (this year's Ferrari 312T just wasn't as good as the Lotus 79) and Villeneuve should be world champion. Definitely someone to watch in the future.

Secondly, it is my opinion that Mary Tyler Moore is one of the finest performers TV has given us. Both *The Dick Van Dyke Show* and *The Mary Tyler Moore Show* are near the top of my list of all-time favourites. It really distresses me to report, therefore, that MTM's new show, *Mary*, is a real turkey. It's a variety show with the same format as *The Carol Burnett Show*, but it never really takes off. (Maybe if she'd stick to comedy and forget those ridiculous song-and-dance numbers...). Given the fact that she's up against *Battlestar Galactica* on the other network in the same Sunday night time-slot, I'll be surprised if *Mary* is still with us at Christmas.

Third. A couple of weeks ago, the Toronto Star and CHUM-FM conducted a survey to chose Toronto's favourite albums. The results were published in the Sunday Star on Oct 8,

and I'm willing to admit that the masses have a wee bit more taste than I gave them credit for. 30 of the 50 albums, including 7 of the top 10, are albums I have copies of. Looking at the list, I see a few surprises. Billy Joel's *The Stranger* was number 9, but his earlier and better *Piano Man* didn't make the list. Queen's dreadful *News of the World* made it to 42nd spot, but their first three albums, all much better, didn't appear. The group with the most albums on the list was Led Zeppelin with 6, followed by the Beatles with 5. The Rolling Stones only had three. *Exile On Main St.*, their *magnum opus*, was nowhere in sight. Some other surprising omissions were the absence of anything by Gordon Lightfoot, ELP, Max Webster, Chicago, Elvis Presley, The Moody Blues, The Guess Who, CCR or Bruce Springsteen. Most of the albums were mainstream progressive rock, with only 1 disco album, *Saturday Night Fever* at 12, and 1 New Wave album, *My Aim Is True* in 47th spot. It's obvious that most of the voters have short memories. There were few sixties albums on the list. Just for the record, the top 5 were *Sgt. Pepper*, *Abbey Road*, *Dark Side Of The Moon*, *Rumours* and *Crime of the Century*. It'd be interesting to see what kind of a list a really *progressive* station, like CFNY, could come up with.

continued on page 35

Dedicated to Nick, Ciaran, Randy, Sleepy, Doc, Dopey and the other 79 members of the IMPRINT staff.

## COLLINS MIX

It seems that I stirred up quite a roar with my last column. This is really amazing as I was under the impression that nobody read it. Anyway, the IMPRINT has demanded an apology in writing. The best I will give them is this:

By calling the paper REACTIONARY, I did not mean that the entire staff is reactionary or even that you were attempting to put out such a paper. I realize that you've been trying not to let your hatred of the Chevron come out, but it does. Because of this your paper seems reactionary. Perhaps this is because the people who do the most work on the paper are anti-Chevron and don't realize that this is leaking through. Surely on that huge staff you have someone who can check that for you.

You must also be careful of underestimating your opponent. You have referred to the Chevron as a 'lousy paper' and one that is doing a 'poor job'. I would like to point out to

you that, at the present time, many of the students believe that the Chevron is doing a better job than the paper you are putting out now.

The biggest complaint I received was because I had spelled reactionary wrong. Too bad they weren't as good at checking their own paper as they are ours. Don't get me wrong, I don't hate the IMPRINT. We need an alternative to the Chevron and at least these people are trying. Unfortunately, I think they seem to be going about it the wrong way.

Anyway, enough politics for this week. Other exciting things happening around campus:

## MIDTERMS

typist: interviews too, you git!

And seeing you all should be studying instead of reading this, I bid you adieu.

rfcollins

## Zap!

This is a column reviewing books and stuff. If you would like to write a *Zap!* column, just write down your thoughts about various books and send it along to mathNEWS c/o M&C 3038. We just might print it.

This week we have a bag of sf/fantasy books with a "detective" story tossed in for variety. Complaints or comments about this column should be directed at *djmullin*.

**Hour of the Horde** by Gordon R. Dickson (\$1.75). An earthman and representatives of other barbarian races save the super civilizations of our galaxy from destruction at the hands of the galactic invaders. Interesting adventure/fantasy. Rated: 75.

**The Meddlers** by J.F. Bone (\$1.25). A well written light-hearted adventure concerning the art of manipulation and its effects (especially when it is an alien meddling in native affairs). Rated: 84 (Recommended).

**Incident on Ath** by E.C. Tubb (\$1.75). This is story eighteen in the Dumarest of Terra series (will we never see the end?). This story is well written (which can not be said for some of the earlier stories). Rated: 82 (Qualified recommendation).

**Get off the Unicorn** by Anne McCaffery (\$1.75). This is a collection of 14 stories covering a wide range of sf and fantasy. I rated 10 stories as excellent with other 4 being merely average. RECOMMENDED.

**Yurth Burden** by Andre Norton (\$1.95). This is a tale from a world which Norton has never visited before. It is a story about two people of different species and their search for truth and understanding. It is very well written and ranks as one of the best books she has written. Rated: 84 (Recommended for those who like being left with questions).

**The Haunted Monastery** by Robert van Gulik. This is a detective story about Judge Dee and his attempts to solve some very puzzling deaths. The setting is China in or about 660 AD. Rated: 84 (Recommended for those who like either detective or historical stories).

The ratings mentioned above are out of a hundred. They were calculated by rating the story on the following features:

- 1) My general feeling about the book.
- 2) Flaws in the story logic.
- 3) Literary attributes (flow, style, character depth).
- 4) How well my suspension of disbelief held together.
- 5) How much do I want to reread it.

If you would like to talk about books, in particular sf or fantasy, come out to a WATSFIC meeting this term. The next meetings are on October 26 and 31 in M&C5158 starting at 7pm.

-djmullin



## SWEIVER EIVOM

### The Eyes of Laura Mars

Rating : \*

This is your standard American love story, divorced chic pseudo-porn photographess meets and falls in love with murderously schizo police lieutenant. The plot wears rather thin as Laura Mars (*Fay Dunaway*) 'sees' through the eyes of the murder with whom she is psychically linked as he/she does away with Laura's friends and associates.

Poor fellow doesn't have much imagination as he murders 8; yes I counted them 8 people with an ice pick through the eye (the right one in most cases) and two others are gratuitously shot out of hand while three more were dispatched by means unknown.

The murders were depicted a la Hitchcock ie with the weapon raised but never shown to be inserted. A much neater device than in movies such as *The Wild Bunch*, *Straw Dogs*, or *The Texas Chainsaw Massacre* where the violence and its after effects were graphically laid out on the big screen.

Could I have found this movie enjoyable if I tried? No, not really the suspenseful scenes weren't although there were some silly women in the audience that night who screamed at almost anything.

The pace of this film is rather slow except for the times she (Laura) has visions of this fiend 'knocking off' another one of her friends and you the viewer know that there is nothing she can do about it. If there was "The Eyes of Laura Mars" would have been released as a feature short.

Unless you have \$3 to burn I wouldn't recommend this film.

### Up In Smoke

Rating : \*\* and a half

Starring Cheech and Chong, the dynamic duo of the drug-oriented humour set, featuring their nemesis from the narcotics bureau, Sgt. Studenko. The movie opens with Chong being booted out of the house by his father and with Cheech awakening and going for a early morning leak, into his laundry hamper. From there the movie slowly but surely goes down hill.

It was a pleasant way to spend a Thanksgiving Saturday afternoon, I could think of other ways but I don't think Prabh...since I can't spell that in my present condition, pogo or graphic services would print them.

Comparatively speaking *Up In Smoke* is about one or more notches below *National Lampoon's Animal House* and the humour (depending on your interpretation) more on the gutter level.

Personally I thought some of the material was inane and or dated. It sounded much better years ago on their

albums. Very few people would find smoking a huge joint composed of Labrador Retriever droppings amusing or Cheech's attempted at picking up jailbait hilarious or the blowing away of a mynah bird with a M-16 good for belly laughs.

There were some good moments in the movie such as Cheech and Chong each getting an opportunity to piss on Sgt. Studenko's trouser legs or there driving back from Mexico on a truck composed of solid Marijuana or the scene where Chong starts goofing off with a paper plate of Ajax cleanser and shovels it around like cocaine, only to have someone snorted in all up.

As the advertisements claim its the type of movie one goes to after a hard afternoon of Oktoberfesting.

### The Big Fix

Rating : \*\*\*\*

Of the three movies I watched over the Thanksgiving weekend, this was the best of the lot and probably one the best movies I've attended to date.

The plot begins innocently enough, old college chum (female) looks up old college chum (male), who is now a private detective to find someone from their student activist past who is now engaged in some election campaign dirty tricks.

Moses Wine (*Richard Dreyfuss*) is the third rate detective who finds himself going deeper into a complicated scheme of revenge. The major complication being murder, someone is playing for all the bananas. First, Moses' old college chum/lover ends up in the morgue with a bullet in her pretty body, then there is the threat to untangle the Los Angeles freeway, instead of a multi-tier system it was to go to a single tier system with the help of a truck load of explosives.

The plot and subplot twists are such as to keep the viewer interested.

For those of you so inclined, like jj there is even an in-joke on Albania. Incidentally, Moses does find the revolutionary of his past has joined suburbia with all the trappings of burgoise decadence.

Anyway I shall not bore you further plot details as it will hinder enjoying the movie should you find time to go.

So ends another series of movie reviews by myself, I'm only human (some of the time) and if you disagree tough. Comments, I gather maybe sent via [mathNEWS@eel.lnhj](mailto:mathNEWS@eel.lnhj).

john l. lee

ps It is true that I'm getting a Rolls-Royce with donations from the film companies; I need it my Mercedes won't make it up the stairs of my new house.

Once again, it's time for an incredibly varied

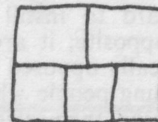
## BAKKER'S DOZEN

Which equals 4 this week.

First, a thought about WATFAC (Waterloo Foundation for the Advancement of Computing). These are the people who do software development and are responsible for WATFOR, WATFIV, WATBOL, WATIAC, and WATMAP. I've wondered why they haven't tried a version of Algol; but I think I've figured it out.

WATGOL???

Another little puzzle to while away the time better spent on Mid Terms. Take 5 squares and arrange them as follows.



Using a continuous line which doesn't cross itself, you must cross all the line segments once and once only. GOOD LUCK.

And now for the triumphant return of the  
**EPITAPH OF THE WEEK**

Seen on "Boot Hill" in Cripple Creek Colorado.

Here lie the bones of a man named Zeke. The **SECOND FASTEST** draw in Cripple Creek.

The Task Group on Education Cutbacks met last night (2 days after I type this column). They plan to publish an article in the Imprint and a leaflet for general Campus distribution. Personally, I feel that they should publish an article in the Chevron too (which I will bring up at the meeting), but that's up to them. I'll tell you what happened next week if it's interesting.

That's about all I had to say for this week except "hi" to Kim Boyle and "Don't let mid-terms get you down" to everyone. May the force be with you (and down with Battlestar Prophylactica).\*

jr

\* SEE ENGINEWS.

I'm glad you asked me that question. See, He came to me and said, "I am going to punish you for your sins."

Well, that's just the point. He didn't tell me. He never tells me.

Anyway, I figured it would be the usual stunt in purgatory or something, but what does He do but leave me smack-dab in the middle of the twentieth century, absolutely stranded!

Exactly. That's why I'm saying. I mean, who does He think He



momentarily materializing out of hyperspace  
comes

## Ramblings, Ravings And Incoherent Mumbles

Welcome to History 261, "The Decline and Fall of Capitalism". In the old days I would have suspected you of coming to this course for the pornographic delights it offers: discussions of money, psychedelic drugs, freedom of speech, and so forth, but of course you poor sheep can't possibly think such things. This will be a brief introductory lecture; on Wednesday we'll have a complete class.

It is a common misconception that the origin of the failure of Western Civilization arose in the rebellious Sixties, where the post-war Dr. Spock-raised youth went to great lengths to deny the values that their old-fashioned Establishment parents had tried so hard to instill in them. No, quite the opposite; it arose in the almost diametrically opposed Seventies, in which the young people who became your parents found themselves without a cause. Vietnam, the SDS, and Abbie Hoffman were all gone; they saw the former generation's leaders grown fat and complacent, and they turned away in disgust from their older brothers' and sisters' excesses and searched in vain for something to glorify, contenting themselves in the meanwhile with modified Muzak and visual Pablum brought to them by that most insidious of drugs, television. It was sometime in the late 1970's that Our Glorious Leader began to realize that the Marxist trumpeting of hedonism

and state control, until then just propaganda, were actually coming true. But the state was not aware of the power it had. It too was affected by the general malaise, unable to halt a gradual slide into depression, overwhelmingly tired from the continual burden of command over a population losing their spirit and sluggishly sinking into their own biomass. And then the youngest generation discovered what they had been looking for all along: themselves.

The Leader's First Axiom, which only a few people in the world have heard, was first formulated about this time. He said **The way to control a state is to control the minds of its youth.** The reason this had not been obvious in the past is that previously post-adolescents had fire in them, a drive to achieve something with their lives. But in the intense, hectic Seventies, they were confused by the myriad possibilities available to them: in having achieved the freedom of choice, they had lost the ability to choose. Symptoms! In the summer of 1978, one of the most popular songs was one where a boy told a girl that he wanted and needed her, but there was no way he could ever love her. The unspoken slogan was no longer the **Turn on, tune in, drop out** of the heavy-metal Sixties but **Get your rocks off.** Oh, sorry; I forgot that that doesn't mean anything to you. Others: Philosophies such as

that of Ayn Rand became popular, glorifying the ego; money spent on self-gratification rose alarmingly; an entire generation turned away from the people around them, looked inside themselves, and liked what they saw. It was so much easier to worship oneself; after all, wasn't there so much one could discover about oneself?! Interpersonal contact broke down, mankind became an archipelago of islands, and The Glorious Revolution was met not by organized resistance, but a scattered and listless passivity. The people had become too self-centred to care.

No, your parents were not the last defiants, but the first complacents. They betrayed not only themselves, but all of their descendants, and ironically enough you have the dream they cherished. You believe that you are happy, you believe that you have a purpose, and you love yourselves. Why not? You have no depth to hate. The only reason I can tell you all this is that this class is not being monitored today, the Leader's plan has been put into effect completely, and what I am saying is so contrary to your conditioning that you will forget it before you leave this room. My only hope is that some of you have stronger wills than the Committee realizes. Now take your pink obedience pills, and get out of here.

prabhakar ragde



dear mathNEWS:

I was rather disturbed to read in last week's mathNEWS (under Collins Mix) that Imprint's purpose in life is to kill the Chevron.

In fact, the purpose of Imprint is to provide this campus with a good student newspaper. Whether the Chevron lives or dies is immaterial, and if it does die I rather doubt that the staff of Imprint will lose their sense of direction.

While a number of Imprint staffers (such as myself) would like to see the Chevron dead and gone, the large majority of the 85 students on the staff list have (a) never worked for the Chevron and (b) don't give a hoot

about what the Chevron does and whether it continues its existence.

I would like to remind you that Imprint was started by two engineering students (John Chaychuk and Hugh Alley) who perceived a need for a new newspaper, because the Chevron does such a lousy job. If the Chevron dies because it can't take the competition, then perhaps it doesn't deserve to live.

Finally, I think that you owe the large majority of the Imprint staff an apology for terming them "reactionary" (sic - that was your spelling). If you believe what the Chevron says, that might be applicable to me but the overall product, which reflects its contributors, is to my mind the farthest thing from reactionary as possible.

Nick Redding  
Imprint Editor

*Are all those 85 people voting staff?  
How many non-staff members help set policy?*

*Anyway, Mr. Collins has qualified his remarks in his column this week.*

Dear mathNEWS:

What kind of Math Society do we have? It was decided, in Council, to leave nominations open for all 1st year Council seats that haven't been filled. **But** this does not mean there will be an election—far from it!—as soon as somebody shows up, with the properly filled out nomination form, they will be considered council members.

This is a pretty sorry state of affairs, half the 1st Years don't even know that there were even nominations to begin with—and now it's a first come, first served arrangement! If more people show up than there are seats available, there will be **no election.**

Is this any way to run a Math Society???

eamacneil

*editor's note: according to my interpretation of the constitution of the Mathematics Society, nominations cannot be handled in this way. The matter will be brought up at the next meeting of Mathsoc, which will have been yesterday by the time you read this. (is that valid grammar?)*



continued from page 33

Fourth. According to the latest issue of *cinéfantastique*, there are some interesting movies coming up in the near future. You've probably already heard about Ralph Bakshi's animated *Lord of the Rings*, which should be out in less than a month. There's also the multi-million dollar production of *Superman*, which will open in time for Christmas, and should be the biggest thing since *Star Wars*. If the producers want to break even, it's going to have to be. For Christmas 1979, we can expect *The Shining*, Stanley Kubrick's adaptation of the excellent Stephen King novel of the same name. Kubrick is attempting to make one of the scariest movies ever. If he retains the tension and mystery of the book, he should succeed. Also on the horizon: *Conan*, a 12 to 15 million dollar production that will reportedly retain the violence and sensuality of the original Robert E. Howard stories, and *Greystoke*, the definitive Tarzan movie, that will be fairly faithful to Edgar Rice Burroughs' original. In other words, no more of this "Me Tarzan, you Jane" crap. It's about time, too.

Five. Rumour has it that TVO will not be showing *The Prisoner* again in the near future, if ever. If you're at all interested in seeing the series, or in seeing it again, a letter to OECA might help. You can ask for your copy of *The Prisoner Puzzle* at the same time. The address is: OECA, PO Box 200, Station Q, Toronto, M4T 2T1. It'll only take a few minutes, and costs a mere 14 cents. If they do run the series again as a result, it'll be well worth it.

And finally, I've received a letter from eksiegerman regarding some of my more outspoken record reviews. He points out, quite correctly, that reviewing records (or anything else) is a *subjective* matter, not an objective one. Just because I think that *Rumours* is a cold, emotionless "product", doesn't mean you have to agree with me. That's only my opinion. Yours may well be different from mine, but it's just as valid. So next time I say something like "album X is the pits", just remember that I'm only telling you what I think of it, not stating an indisputable fact.

But enough of this nonsense. Lets talk about something interesting.

When *A Clockwork Orange* was first published in England in 1962, it had 21 chapters, 7 in each of its 3 parts. When the Penguin paperback edition was published in Canada in 1972, following the release of Stanley Kubrick's movie, it only had 20 chapters. The final chapter of the book had been omitted. I managed to track down a copy of the British edition a while ago, so for all you dedicated *Clockwork* fans out there, this is how the book really ends.

continued on page 36



## The MERELY MEDIOCRE TRIVIA TEST

Dedicated to Professor Lawrence for inspiring the idea.

We got a break last week and therefore didn't need to skip a week. Aren't you glad? No? Anyway, here we go.

1. What is the official name of the "half-egg" shaped sculpture outside the Math building?
2. Where is the School of Architecture located?
3. How many parking lots are there on Campus?  
a)25 b)27 c)29 d)26 e)35
4. What is the "Great Sugar Cube in

the Sky" really called?

5. Name the sculpture inside the main entrance to the Math building.
6. How many entrances are there to M&C?  
a)6 b)7 c)5 d)10 e)9
7. How long (in Kilometers) is the Ring Road? (nearest tenth)
8. Where is the Isaiah Bowman Building?
9. How many tunnels on Campus are open to public use?  
a)0 b)5 c)8 d)7 e)3
10. Who provides the food served in the cafeteria at St. Paul's College?

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

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

from  
issue  
#3



*continued from page 35*

The final chapter opens, as the story does, with Alex and his three droogs drinking milk-plus in the Korova milk bar. The time is a couple of years after Alex's release from prison, (he's 18 now) and his original gang of Georgy, Pete, and Dim has been replaced by Len, Rick, and Bully. Outside, Alex stands back and watches while the other three attack an old man. Then it's off to the Duke of New York pub, to buy drinks for the same old ladies we met earlier in the book, so they'll supply an alibi if the police come looking for Alex. At first Alex refuses to pay for the drinks, saying that the ladies can buy their own, but he finally relents. As he pulls his money from his pocket, something drops to the floor, a clipping from the morning newspaper. One of the others picks it up first, and everyone laughs when they see that it is a picture of a baby. Angrily, Alex tears it up, and storms out of the pub alone.

Alex realizes that he has been changing of late, but he is not quite sure how. The old ultra-violence no longer appeals to him as much as it did. More and more, he is content to stand back and watch his three droogs, rather than taking part himself. He has even lost much of his liking for the glorious music of Ludwig van.

He stops into a small restaurant for a cup of tea, and to his surprise meets Pete, one of his old droogs, and Pete's wife, Georgina. Pete is working as an insurance salesman, and Georgina, who keeps giggling at Alex's Nadsat slang, works as a typist. They talk for awhile, then the couple leaves. They've been invited to a party, and don't want to be late.

Alone once again, Alex suddenly realizes how he has been changing. He has been *growing up*. He realizes that the whole ultra-violence thing was just a phase he went through, one that's behind him now. At 18, he's virtually

over the hill, and it's time for him to get married and start raising a family. It all ties together now, his chance meeting with Pete and his wife, the clipping from the morning's paper. Yes, it's time to find a wife, and Alex resolves to begin looking for one first thing in the morning.

And on that soapy note, the book *really* ends.

The obvious question is: why was that chapter left out when the book was reprinted? The answer is just as obvious: without that final chapter, the book has a much stronger ending, with Alex recovering in hospital from his brainwashing treatment and his attempted suicide, announcing to the world that "I was cured, alright!". With the extra chapter the ending is anti-climactic. It's a bit of a letdown to go through the entire story, cheering Alex as he breaks every law in the book, and sympathizing with him as he is captured, only to have him tell us that yes, that whole thing was wrong, and he's going to change his ways. The book's message, that it is better to choose evil through free will than to have good forced upon you, is twisted slightly by the extra chapter. The question of what is chosen now seems as important as how it was chosen.

It'd be interesting to know who made the decision to leave out the final chapter, author Anthony Burgess, or the publisher? Actually, this isn't exactly without precedent. For years, British pressings of Beatles and Stones albums had 1 or 2 cuts that never appeared on their North American counter-parts. Maybe it's some uniquely British custom, like stopping everything for tea at 4:00, or driving on the wrong side of the road. Who knows?

Jim Pattison

## Answers to MMTT

1. It is called "Break".
2. 415/419 Phillip St. Waterloo.
3. c)29. We counted from the official University map.
4. The Arts Library.
5. That one is called "Convolutions".
6. e)9 Count the tunnel and the loading dock door.
7. 2.6 kilometers long. Measured in Ashok's car.
8. Between Modern Languages and Hagey Hall. It's the Environmental Studies building.
9. d)7.
10. It is provided by Beaver Foods.

CREDITS: The Obvious Facts Commission takes over this week. We're still Ashok Patel, Kevin Martin, and Jim Bakker; but now we have a real, official even, name to call ourselves. See ya next week.

*continued from page 31*

## AFTER THE EXAM

- 1) Stay away from windows in high buildings.
- 2) Consider going to class from now on.
- 3) To drop from honours to general, - room 5115.
- 4) If all went well, forget Murphy's Second Law.

Hopefully, these will help you. If you've found any other suggestions, just send them to me. Oh, and don't forget. Line-ups are always longer during midterms, so get to the pub early.

2 wmgentleman Sat Sep 23 1978  
13:26 M

registered students can get accounts several ways:

1) being in courses for which the instructor requests it.

2) doing some project for or with some professor.

3) as computer science club members, if they submit a proposal showing they intend to do something I consider serious and useful, and if each term they submit a progress report showing that they actually did accomplish something.

What we are not prepared to support on an expensive and limited resource is people playing.

Over the years we have occasionally extended a similar privilege to selected high school students in the area, because, obviously, we want to encourage bright people to be interested in the subject and to come to Waterloo eventually. But they too have to accomplish something serious.

( REPLY TO MESSAGE  
FROM RFCOLLINS )

## MATHSOC HALLOWEEN PUB SOUTH CAMPUS HALL SATURDAY, OCTOBER 28 featuring TEMUCHIIN

Full-Time Tutors required for CS140 winter term 1979. Please contact J. D. Lawson MC5102 for details.

GRAD PHOTOS Oct. 19-20 Sign up in Mathsoc MC3038.

STRATEGY BOARD MEETING All participating students in the Oct. 4 meeting are asked to pick up minutes from Elise Devitt in MC5002.

LAST CHANCE to pick up your MathSoc refunds is today in MC3038.

MATHWEEK VOLUNTEERS needed; it's more fun helping than just participating. Try it and you'll see! Talk to Geoff Hains in MC3038.

BLOOD DONOR CLINIC to be held November 29 and 30 in the 3rd floor lounge.

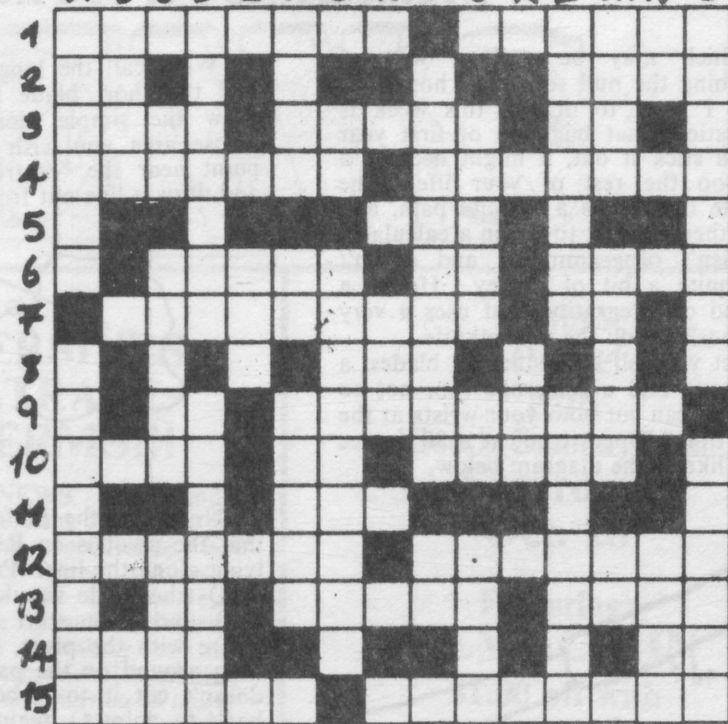


ACROSS

- 1a Indicative of a sign for an integrated (circuit) (8)
- 1j Biliary old disease (6)
- 2a Masculine laugh (2)
- 2l What I get when I do it to my paycheque (4)
- 3a A boy is indivisible (4)
- 3f They look like moles but with a different head (5)
- 3l A little to see and hear (2)
- 4a More than just agile (7)
- 4i A thicker pelt, or a seller of them? (7)
- 5h Little Scotty Morrison (3)
- 6c Sideways, like a garden in London (5)
- 6i Rex et Imperator (2)
- 6l We French (4)
- 7b Suggests in an undertone, as between friends (9)
- 7l Mother's backwards before noon (2)
- 8g Offspring with light sound (3)
- 9c English Beer (2)
- 9f Cocoa with end in last (9)
- 10a Get money for a hoax (4)
- 10f From Latin (2)
- 10a Sour milk balls from Holland (5)
- 11f Catch a sack? (3)
- 12a Letters for wavelength (7)
- 12i To melt ice, add two letters at the beginning of it! (7)
- 13c Short for *ibidem*; short even for *ibid* (2)
- 13f Popular pastime at CC140 (5)
- 13l Capital of Norway (4)
- 14a Remark on C# (4)
- 14n Privative prefix (2)
- 15a Take two letters away from it and it's the same! (6)
- 15h Exerted by prof.s and pushers (8)



A B C D E F G H I J K L M N O ↑



DOWN

- a1 Beer and ginger ale (6)
- a8 Jelly made from Carboniferous fossils (8)
- b1 Tibetan monstrosity (4)
- b14 No reversed preposition (2)
- c3 Brahmin prayer (2)
- c6 Guardian spirit (5)
- c12 Glove starting with University (4)
- d1 Pompous nonsense (7)
- d9 Cry and sob like seal fat (7)
- f6 Goes with kith (3)
- f1 All you really need (4)
- f6 Two ens (2)
- f9 Secret religious group (5)
- g3 Disjunction (2)
- g6 Holds clean water at the start and dirty at the end (4-5)
- h7 Also more than one, by the sound of it! (3)
- i2 Submission (5)
- i12 From French (2)
- j3 Mohammedan mystics (5)
- j9 A little too much! (2)
- j12 She's from Quebec (4)
- k8 Patty Hearst's ex-gang (3)
- l1 A sort of potato-shaped musical instrument (7)

- 19 Physically affectionate (7)
- m1 I washed in Rome (4)
- m6 Leaves out (5)
- m12 An infamous kludge (2)
- n1 Est in English (2)
- n12 Another emission from CC140 (4)
- o1 Somethind needed by Paladins and politicians (8)
- o11 Compound of carbonyl (6)

Four solutions were actually submitted to the grid-word of v 18 i 3, notwithstanding a certain cinematographic error on the part of its creator, and a lot of obscurity. The four diehards were Grace Logan, :boff (drnewell), Duncan Murdoch, and the disordered pair, (jrbakker, gmhains). The Apl function ?4 made Grace Logan the winner.

Since last week there was no **mathNEWS**, the winner of the numerical gridword will be announced this week too. Submissions were recived from djmurdoch, micheal peate, and steve bertrand. The first two were correct and the winner is micheal peate (I used a die this time).

Hoping finally to have broken my unwavering record of no perfect puzzles to date, here is this week's. It is semi-cryptic, with some straight clues. Please send your ideas and/or suggestion to me via mail to ajmalton on the 'bun or c/o **mathNEWS**. To mbcalvert: please can I have a solution to your submission before I consider running it.

## Movies and Games

The University of Waterloo Science Fiction Club is alive and well this term (for unknown reasons). Membership has reached the highest level since the club was started in 1975, having topped the 50 mark.

Elections were held several weeks ago. The fall executive consists of:

- President: Greg Bezoff
- Secretary: John van Hezewyk
- Treasurer: Philip Kelly
- Sec. of War: Mike Sutton

In co-operation with mathSoc and the Campus Centre, **WATSFIC** will be showing free movies on Wednesday, November 15th. The movies will probably be:

1. Colossus
2. The Andromeda Strain
3. Futureworld
4. 2001

Another **WATSFIC** activity will be a games session to be held on the second Saturday in November. Two of the tournaments will be Diplomacy and Outreach. This will be open to the public. For more details contact **WATSFIC**, c/o M&C3038.

If you would like to talk (or just listen) about sf, fantasy, D&D, movies or associated topics just drop in on any **WATSFIC** meeting. The next two meetings will start at 7pm in M&C5158 on Thursday, October 26th and Tuesday, October 31st.

-djm

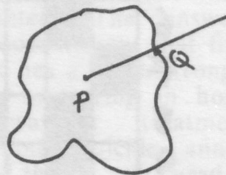
## Mathematics For A Friday Afternoon

Which may be a long way of describing the null set, but I hope not. What I want to discuss this week is integration, that bugaboo of first year (if you stick it out, it might become a bugaboo the rest of your life). The definite integral is a definite pain, and it's rather difficult to do on a calculator that isn't programmable and doesn't cost quite a bit of money. Here's a method of integration that uses a very inexpensive tool: the pocketknife.

Get yourself one with two blades, a short one and a long one (no, not so that you can cut both your wrists at the same time). Open it out at a 90 degree angle like in the diagram below.



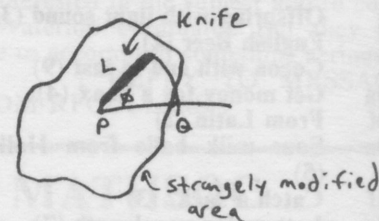
We'll call the long blade the blade and the short blade the pivot. Now, draw the simple closed plane figure whose area you wish to find. Pick a point near the "centre" of the figure, and draw a line out from it, so:



Now: put the knife on the line so that the pivot is on P and the blade is lying along the line. Push the pivot out to Q (the blade should still be on the line) and then start tracing out the figure with the pivot, letting the blade drag around on the paper (hopefully it doesn't cut it to ribbons) until you're back to point Q again. This time the blade won't be on the line, but will have been shifted by all that tracing. Pull the pivot back to P and you'll get

Surprise! The area of the blob is equal to the area of that pie-shaped segment, which is just  $L^2\phi$  ( $\phi$  in radians). I don't know why this works (saw an explanation once; all sorts of nasty partial differentials) but I don't think it'll work on a frictionless surface. This works by the same principle that's behind those huge mechanical integrators the (n-1)ginears use in their upper years. It may never be of any use to you, but it's an interesting demonstration of applied mathematics, and you can spend a few minutes not listening in your MTHEL 100 class, trying it out. Have a good afternoon.

prabhakar ragde



### ON TAP

#### BASKETBALL:

Math A - Mon Oct 23 9:30

Math B - Sun Oct 22 8:45

#### FLAG FOOTBALL:

Math B - Tues Oct 31 5:15

WARM-UP 4:45 behind Math Bldg

#### BALL HOCKEY:

Math A - Sun Oct 22 5:45

Math B - Mon Oct 23 8:45

#### ICE HOCKEY:

Math A - Thurs Oct 26 11pm

Math B - Mon Oct 23 11pm

Both at Moses Springer Arena

### CO-REC

#### INNERTUBE WATERPOLO:

Sun Oct 22 7:45 (hopefully)

#### VOLLEYBALL:

Thurs Oct 26 8:45

#### BROOMBALL:

Mathsocsists - McCormick Arena

Noon Fri Oct 20, Oct 27

Mathies - Queensmount Arena

10-11pm Tues Oct 31

thank you cw (or is it w/c?)

masthead: they say compassion is a virtue, but I don't have the time...ciaran o'donnell dropped in last week to get upset at me; among other things he made the point that as a newspaper, mathNEWS is reactionary...now I doubt that we could satisfy any definition of newspaper; what do you think? what is the primary purpose of mathNEWS? somehow the question seems largely academic on a very noisy Tuesday night at about 9:24 EDT (there was just a rather unsuccessful \*break\* just now...that consists of throwing someone in one of the answers to the Merely Mediocre Trivia Test...a bit extra for you this week because we didn't publish last week (did anyone notice oh the hell with the liquid paper) not because it was Friday the 13th but because midterms and other silly commitments made a shambles of our staff...speaking of which, this issue had articles from doug mcinroy, john lee the inverted scigrad, rob collins the just plain inverted, john gross the power-hungry fanatic (ever wonder why he always makes the front page? fifteen dollars a week and you can, too...), jim pattison, andrew malton (ashok just asked if that was an insinuation that I can be bribed no it isn't, it's a hint), jim bakker who almost forgot the diagram for another one of his trivial puzzles (oh yeah, howcum i can <sup>near</sup> get them?!)...ashok patel and kevin martin did the photoning. <sup>this</sup> I've been wanting to please you/but I'm no good with machinery... <sup>deliberate</sup> barbara meed is now the photon mascot (bernard seems to still be the scapegoat)...erin newell is sitting here making me nervuz stan the man is drawing silly caricatures (why can't he do any mini-graphix for us)...I've given up on noreen...hello to peter nash who will probably be getting a copy of this...karen rooke is pasting down at this very moment (can anyone think of a less lascivious word than layout?!). hope you attended the leakey lectures, drew says tonite's was good...when a pretty girl says layout is lonely, what's the natural response? hello to line ouellette and all those who asked about us last week (erin sez the natural response is that she's doing it wrong...eeyowch!)...this is your exhausted real editor prabhakar ragde saying Bruce Springsteen is