

Mathsoc Candidates

The following seats are being contested in the upcoming Mathsoc election.

Vice President: Greg Bezoff, George Stevens

Treasurer: Bradd Hart, Drew Post

There was a total of 7 candidates for the election, which is on Monday, March 24th from 8:30 am to 4:30 pm.

The following have been acclaimed:

President: Mark Garstin

3A Co-op Reps: Prabhakar Ragde, John Gross

4th Year Regular Rep: Duncan Murdoch

The turnout was spectacular for the first set of nominations, and rather poor for the second set. The first set had to be nullified due to improprieties.

Get out there and **vote!**

Ted MacNeil
Chief Returning Officer

Computer Science Tutors Needed

During the Fall term, 1980, the Computer Science Department will require a number of full-time tutors in the introductory courses CS 140 and CS 180. These tutors will be required to spend approximately 18 hours per week in lab contact with students, plus approximately the same amount of time in marking assignments. Both regular and co-op students interested in rearranging their academic terms and working as a full-time tutor during the Fall term are requested to complete an application form available from Ms. Anne Harris in MC 5100, the Computer Science office.

Arnie Dyck

Federation News

In a meeting on Monday the 17th, the Federation of Students passed a motion in support of the fee hike strike by a 12-2-2 vote. Such a fee hike strike would mean that all those people who refuse to pay the increase will not be given their marks or their degree until they pay the administration the fee increase plus any interest this money has collected.

Financial Assistance Offered on Exams

Have you ever thought of becoming an actuary?

What is an actuary? An actuary is an executive professionally trained in the science of mathematical probabilities. He uses mathematical skills to define, analyze and solve complex business and social problems. He designs insurance and pension programmes which meet the public's needs and desires, and which are financially sound. He forecasts probabilities and he commits his company or his client to long range financial obligations for a generation or more.

To become an actuary, you must pass a series of 9 exams. Part I is a General Mathematics exam and corresponds nicely to the first year honours math programme here at Waterloo. Part II covers statistics and corresponds fairly well to Stats 230, 231.

The Faculty of Mathematics has set aside a small amount of money to help students trying the actuarial exams. If you are a first or second year student and you successfully pass part I or II on the first try, you will have the registration fee of \$20.00 refunded to you.

For more information and application forms see Frank Reynolds, MC 6092B. Application forms must be in the mail before March 25.

WORP

The Waterloo Organization of Reasonable People (**WORP**), is a newly formed organization at the University of Waterloo. We feel that there is a fair number of students of this university who feel that a 7½% increase in tuition fees is a reasonable increase. We also feel that this opinion should be made known to all in and around this university.

With all prices rising at 9% or more, an increase of only 7½% means that we are actually getting a good deal. These days, when students are complaining of cutbacks, can they really deny the university this extra money it needs to help stop cutbacks?! We are not saying that the increased income from the tuition increase will solve all of the university's financial woes, but it can't hurt!

So pay your fees (including the increase), join the growing number of reasonable people at this university, and oppose the fee hike strike.

GET WORPED

D.W. Syms

Required:

One (or many) person(s) to tutor a stupid math frosh in algebra and CS 140. The eligible candidate must be reasonably attractive (*ass ed: shucks*) with a good background knowledge in these areas. Must be available at short notice (i.e. before said stupid student jumps off third floor balcony). Approximately 6-10 hours a week. Wages negotiable (can include doing dishes and cleaning cupboards). Apply at Mathsoc, MC 3038 and ask for Jo or leave your name and where you can be reached on the blackboard in Mathsoc. Only serious male candidates please!

EDITORIAL

(Editorial)

This is a University. A University is supposed to be a place full of the brightest people in our society. And this is supposed to be a good university. So, why, in this place of brilliant people, when someone comes to explain a differing point of view does some idiot respond with a far-less-than-intelligent way of stating his view point? Of course, I am referring to everyone's favourite 'Groucho Marxist' who threw the cream pie in Bette Stephenson's face.

I must commend Dr. Stephenson for continuing on with her talk after this show of stupidity. I hope that whoever did this, realizes that, instead of hurting the Minister, he made the audience more responsive and sympathetic to her cause. I doubt it though, considering it takes a pretty low mentality to do this in the first place.

Another thing I must do is throw my support behind one of the most refreshing political faction groups on campus. By this I am referring to **WORP**, the Waterloo Organization of Reasonable People. **WORP** urges all of you to pay your fees as asked. Their viewpoint is stated elsewhere in this paper, but I would like to point out that not one person **WORP** has talked to has disagreed with them, and their petition is progressing at a fantastic rate (especially considering Waterloo's usual reaction to petitions). If you wish to know more about **WORP**, get in touch with Don Syms at the Mathsoc office.

Point number 2 in this editorial concerns the Mathsoc elections which are to be held on Monday. MAB Garstin has been acclaimed as president of the society and I wish him all the luck in the world. Greg Bezoff and George Stevens are running for the position of Vice President. Mr. Stevens has done absolutely no work to get elected (at the time of production), and a man who does no work to get elected is just as likely to do absolutely no work were he to get the job. Greg would be a great asset to MAB as he has much experience in the society and good relations with the faculty which is very important for Mathsoc

Bradd Hart and Drew Post are running for the position of treasurer. Bradd is running on a campaign of 'Change Mathsoc'. I find this very interesting since the office of treasurer is one that requires hard work and gives a very limited amount of power (about equal to that of a council seat). This leaves Bradd in no better a position to change Mathsoc than if he didn't run at all. I hope that, should Mr. Hart get elected, he won't find the work too much and the power too little (as his puppeteer Mr. Ragde has done in the past). Drew has done the job once, already (taking over from Karen MacNeil who took over from Phil Kelly who both resigned). Drew has done a good job and is willing to work as hard as he had in the past, which is as good as anyone can do.

Point number 3 is regarding the support I, as mathNEWS editor, have received, though we have been lacking in staff this term (hence the bi-weekly, sometimes tri-weekly, editions). I have found the students responsive to the ideas I have tried and forgiving when the paper didn't come out due to a lack of material. I also thank them for listening to my opinions in my editorials as well as others' opinions in their articles and letters. I would like to take this time out to give serious thanks to those who allowed me to put this paper out: Ross Brown, without whose layout and Photon work, we would have had no editions this term; Ashok Patel, whose cool head and constant, uncomplaining work kept us all alive; Walter 'Strings' Steinemann, who sent out issues to those off-campus and to the assorted libraries and archives who want them for some unknown reason; Geoff Hains, for a lot of ideas and not a minimum of excitement; and Dean Edmonds, whose "Notepads" were probably the most well-liked feature we have. These people stuck by me through thick and thin (usually shouting at me) and, individually, were at least as important as I was to this rag. And, lastly, thanks to you, our nearly 1000 readers for bothering to pick up a copy from the benches and at least leaf through it. I hope you all do well on exams and have a good summer.

Rob Collins

BE REASONABLE
GET
WORPED
BY YOUR FEES

February has ended and most of us have survived what is probably the worst month of the year. As you look around you it is easy to see that tempers are quicker to explode and patience is at a low. Just another month and we get to struggle through exams and - ah! - a work-term or summer job. It gets to the point where you don't care just so long as the end is in sight.

But this is not true all over campus. The artsies are unusually happy and bothersome. Why is this? They've recently come off reading week and are refreshed and ready to go again.

Reading week (sometimes called skiing week) was originally implemented to cut down on the number of suicides. It is a full week to relax and/or catch up. But why only in arts? Granted anybody in arts isn't playing with a full deck to begin with and hence is more likely to completely snap, but (as previous mathNEWS informed us) Math is not without its fellows who take their own lives, especially in gruesome February. How many of this unknown number may have been saved by a week off. How much easier it would also be for those of us who grumble through it with low boiling points and a lack of concern.

Why don't we have a reading week? One theory is that the profs want to get out for summer holiday as early as possible. This I find hard to believe. I have worked with many of the professors through Mathsoc and am firmly convinced that, with few exceptions, there could be no better group of people doing the job. If school had to be extended a week, I don't think they'd mind a bit since they'd get the week off, also. I don't know why a reading week was never instated but I'm quite sure the reason we don't have one now is because we haven't asked for one.

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— Notepad —

*There comes a time in every micro-owner's somewhat warped life when he or she realizes that there is a real world lurking about outside the edges of his or her glowing electronic addiction. Sometimes this produces a mystified gasp of wonder at the infinite variety of God's universe; more often than not, though, it merely evokes a stifled yawn.

Eventually however the real world forces itself upon you in various and sundry fashions... hunger, bowels, sex... etc. At these times you are forced to focus your eyes beyond the CRT and look at the wallpaper. You take notice of your surroundings and your first thought is CONTROL!!

Yes, although you may not know how you will do it you find that you are now destined to implement the real world in 8K or less. You will eventually control the entire world at a single keystroke. (**mad chortle**)

There is of course one small problem with this. That problem is known as HARDWARE. You gotta know something about hardware before you can write the software to control it.

I know what you're saying, you are calling me an infidel, a heathen, a fornicator. Well I won't deny the last one but you're wrong about the first two... hardware is not a sin... well, not a big one anyway.

There is a certain glory in knowing how to b-b-b-build things. To actually be able to c-co-const-t-t, to make circuits that give added power to your micro. Aw hell, let's be honest. HARDWARE GIVES YOU POWER TO RULE THE WORLD!!!

Software merely keeps all that hardware in line.

In my case hardware was a dirty word whispered by perverse engineers and scrawled on bathroom walls. The only way to learn was through experience which in my case meant using Fred as a guinea pig. This was a job that required tact. I approached him about it while we were playing chess.

"Well Fred, how about it? You game?"

>NO CHANCE

"Aw come on, it'll give you more power, more flexibility."

>I'VE FELT THE WAY YOU TYPE.

>YOU'D PROBABLY KILL ME FUMBLE FINGERS.

"Hey, I do pretty well considering this shitty little keyboard I have to work with."

>WATCH IT, THAT'S MY FRONT PANEL YOU'RE TALKING ABOUT!

"Oh, sorry."

>S'AWRIGHT.

"I really apologize."

>FORGET IT.

"What if I type all the specs in for your approval first?"

>THE HELL WITH TYPING IN SPECS.

>I'LL DESIGN THE DAMN INTERFACE MYSELF.

"Then you'll do it."

>**SIGH**

"What does that mean?"

>THAT, MY MORTAL MASTER, MEANS I HAVE NO REAL WAY OF STOPPING YOU.

>YES, I'LL GO ALONG WITH YOUR MAD LITTLE SCHEME FOR NOW.

>WHAT DO YOU WANT TO DO FIRST?

"I thought maybe a little fix to produce reverse video would be nice. Maybe we could even set it up to be triggered by a port signal."

>I CAN DO REVERSE VIDEO ALREADY BIMBO.

"Yeah, but that requires all sorts of crass memory-consuming software."

>DON'T CALL SOFTWARE CRASS. I AM SOFTWARE.

"Sorry."

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Some Computer Anecdotes
from ACM SIGSOFT,
Software Engineering Notes,
Volume 5, Number 1, January 1980

*Told by C.D. Tavares, Honeywell,
McLean VA:*

My father told me the following one. My aunt gets a bill in the mail for \$0.00 and of course ignores it. As it continues, my father convinces her to just write a check for \$0.00 to keep the computer happy. She does and it works, but a month later she gets an angry letter from her bank claiming that her cancelled check for \$0.00 had crashed their computer.

Told by P. David Lebling, MIT:

Early in the development of ARPAnet mail programmes, MIT's Laboratory for Computer Science and the MIT Artificial Intelligence Lab were both working on mail "daemons", autonomous programmes to handle the mundane aspects of network mailing. The LCS programme ran on the MIT-DM machine and was called COMSYS, and the AI programme ran on MIT-AI and was called COMSAT. They were expected to handle the file-transfer-protocol phase of network mail, and check addresses for validity, and in general be helpful and friendly to people trying to send mail.

One of the things they were supposed to do is notify the person who sent a piece of mail if an error happened in the daemon while it was working on his piece of mail. One Friday evening COMSAT reported such an error to COMSYS. Unfortunately, COMSAT didn't know the the mailbox name for COMSYS, and so COMSYS got an error: an unknown addressee. COMSYS conscientiously reported the error to the originator of the message: COMSAT.

Unfortunately, COMSAT didn't know about itself as an addressee, so it got an error, which it reported to COMSYS, still with the incorrect addressee. COMSYS got an error, which it reported to COMSAT, etc., etc., etc. The two daemons spent an entire weekend reporting their unhappiness with each other to each other.

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Everyone looking at you thinks you are really strange!

I hate to point this out to you but you are presently reading upside-down

Look! Up in the sky! It's a bird... it's a plane... it's

The Marcia Mathie Advice Column

Welcome back, friends and lovers! I'm Marcia Mathie. Since my return many sweet, young frosh have been asking about me, my body, and my past. Here's an example of the many letters I received on the subject:

Dear Marcia:

Just who the HELL are you?

Cross Frown

Dear Cross:

Well, Clown, here's a short but adorable history of one of my favourite people, me.

I was born a beautiful child to rich and marvelous parents in la belle Montreal. I was a marvelous student and passed with straight A's except in the courses with female teachers. I've had, in my 21 super years, over 600 boyfriends. I've tried just about everything and been excellent at all of it.

At present I am in 3A and will be doing a co-op term in Ottawa this summer where I will be staying with a good friend on Sussex Drive. (Poor man has been so lonely since his wife Margaret moved out.)

Anyway, on with the letters!

Dear Marcia:

I built a micro three months ago because I was lonely and had no friends. I kept embellishing it with the latest things on the market. I even gave it a sense of good taste. Yesterday it left me for a Canteen of Canada candy machine. Will I ever find happiness?

A Shocked Patel

Dear Shocked:

Amazing what they can do with circuits and things nowadays. Maybe you should try a teddy bear.

Dear Marcia:

Is it true that the only reason your column appears in mathNEWS is because you put out for the editor?

Just Wondering

Dear Just Blundering:

No, it's not true that that is why my column appears. That is, however, the reason Young Frank Einstein gets in.

Dear Marcia:

I know who George Stevens is!

Mrs. George Stevens

Dear Marcia:

I can't take it any more! All these people with their stupid problems. What do I care? I'm quitting!!

Ann La(u)nders

Dear Ann:

Some people just aren't meant for this business.

Dear Marcia:

Isn't it neat how I've extended my term of power to the end of March by screwing up the elections? I shall rule forever!! Excelsior!

Anonymous

Dear Buzzoff:

Calm down, you're cruising for a halitosis rap.

Dear Marcia:

Better watch what you say. Ever heard of libel?

Geoff The Pain

Dear Dzeph:

Yes, I've heard of it and if you keep making passes at me, I'm liable to kick your teeth in!

Dear Marcia:

Sex and drugs and downhill skis?

A. Fass

Dear A.F.:

Sounds different. My place, Friday, 7:00 p.m.

Dear Marcia:

Girls never take me seriously. Is it my face, my clothes, what?

Ronald McDonald

Dear Ronnie:

Are you McSerious? Do you mean, of all those people who work for you, nobody can do it?

Dear Marcia:

I have been wandering around Hagey Hall for two months now and I still haven't found Artsoc. Do you know where it is?

Dazed & Confused

Dear D&C:

Sooner or later your luck will run out and you'll find it.

Dear Marcia:

Due to the lack of support I've received in the Leafs organization, I'll be leaving the team next season to take Burt Matthews' job. Clear the track!

Punch

Dear Punchy:

I'll give you a first round draft choice and 2 nights of me if you go to U of T instead.

bwlutek's bits

'Twas quite late, by the watch on my wrist,
When our STATs prof charged in (some persist!);
Although panting and tired,
He quite calmly inquired:
"Any questions on what you have missed?"

Do you find STATs to be quite simplistic?
Is the Chi-square too idealistic?
Would you savour a quest
For an Ab-Normal test...
Or perk up with the "Coffee Statistic"?!
STATS MY TALK TALK YOURS

Young Frank Einstein

Well, I'm back from my vacation, with an intellectual sort of sunburn, but little else to prattle on endlessly about. I suppose that's all for the better.

I thought that, rather than speak on topics of novelty as I usually do, I would extend a few meanderings on a subject which is of current interest in higher mathematics, that of the theory of self-generation. My personal experience with the mathematical approach to this topic is minimal, so I shall confine myself to an attempt to interest you in the subject as I have become interested.

Nature exhibits self-generation on a massive scale. Also, if you are cynical like me, things like yogurt cultures, sourdough bread and the Festival Room's inimitable peanut-butter cake may come to mind. (The latter is probably better explained by attributing it to an experiment run by some fiendish prof in Chemistry [Germ Warfare Dept.].) In the human case, self-generation is far from 'automatic'. Procreation in mammals is all under the control of sentient functions, which makes it far more interesting.

Operating, then, under the usual assumptions about the plant kingdom's innocence and ignorance, the next question arises: what makes a plant 'want' to extend its species? This, at first hearing, looks like a stupid sort of question; why would we have plants at all if they didn't generate new specimens? I would ask, though, why the whole system of plants and animals on this earth is existent.

Certainly, the first life forms were not self-generating; this would be too much of a genetic accident. Somehow, at some vaguely defined point in the earth's past, molecules joined in a new random way, and (accidentally, I stress) created a cell which had the capability of growing and splitting. From there, the random conjunction process ascended to the cellular level; the creation of multi-cellular life forms began.

And so we progress to the current situation, with man as the dominant form of organism. And yet the entire system has proved nothing to any entity in the universe except itself. It operates in isolation. Whatever is or has been good or valuable in the history of the earth is knowledge privy only to members of this clique. When they go, and ourselves with them, there will be nothing to tell of our thoughts except a few oddly (accidentally?) aligned physical objects on a planet or two.

The key word here being 'accidentally'; the start of it all was just as accidental, in the final analysis, and probably will be treated, in the light of the far superior organization of the perceiving party, be viewed as equally insignificant.

If you have never read about the subject of cellular automata, I strongly suggest that you do. The most publicly salable form of this principle is the game of Life, which is exhaustively documented around these parts. In the overview, though, a finer form of cellular automata must exist (since the number of possible sets of rules for such automata is infinite, if not uncountably infinite); I might even suggest that there exists a CA which describes earth's existent life system.

At this point, I again open the door for suggestion and criticism. There must be many more knowledgeable than I on this subject, so I expect lots of feedback. Should be interesting.

Young Frank Einstein

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The faculty has always listened to the students and if we put together a petition of many names asking for a reading week, it would definitely get fair consideration. I cannot guarantee they'll give it to us but the odds are pretty good considering we've got nothing to lose.

Several people in Mathsoc are willing to undertake setting this up

but not until they get some indication that it will get student support and not apathy. So, how about it? Do you want a week off in winter terms? Let us know by scribbling something to that effect on any scrap of paper and STICK IT in the grey box on the third floor opposite the non-smoking lounge.

Rob Collins

Interaction

Recently there was a motion passed by the Federation of Students Council that favored a change in the Federation charter so as to exclude graduate students from membership in the Federation.

When I first heard of this action I was somewhat concerned. I thought that they were trying to pull a fast one on the grads. I also was worried about the legal implications involved in a change of the charter.

Apparently the aim of such a move was to eliminate the voting graduate representatives on Federation council. I felt this may have been motivated by the fact that people such as Larry Hannant have been grad reps in the past and have taken positions contrary to the majority on council. However I am now convinced that while that may have been a factor in the decision, it was only a minor one.

Apparently many people felt that it was unfair that when only ten or so grads paid Federation fees as compared to ten thousand or so undergrads that grads should have two out of the thirty voting seats on council. While I can clearly see the logic of such an argument, I felt that changing the charter was too drastic an action. It could be rather difficult as it requires the approval of the provincial government, and could put the legal status of the Federation in jeopardy. I felt that a much better idea would be to change the Federation bylaws so that only fee-paying members can vote and hold office and also saying that grad students who are members vote in their own faculty (e.g. Math, Engineering) instead of as a separate constituency. This would effectively remove grads without specifically kicking them out.

However I viewed this issue based on the perspective that grads wanted to remain associated with the Federation. While they have a strong Graduate Club, I felt that they should be given the opportunity to be involved in a campus-wide organization and be part of the Federation as well as of the Graduate Club, if they so desired.

I get the feeling though that the vast majority of grad students do *not*

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feedback

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wish to be associated with the Federation, and that most of the undergrads in the Federation do *not* want the grads to remain. While this has never been stated in a formal referendum, there has been a number of general meetings of the Graduate Club, meetings of the Grad Club Board of Directors and meetings of the Federation Council where these sentiments have been expressed. While I would have preferred such a serious matter to go to referendum, I realize that such a move would be costly and only confirm what these meetings have stated in the past. Also this issue has been brought out in another form from time to time over the past few years. It may be time to resolve it now and take the risk with the charter.

Perhaps it was a mistake that the undergrads and grads were ever in the same organization. I am now becoming convinced that they really do have different interests and it may be best that there be separate organizations for grads and undergrads where each group can go its own way. Also if we are to accept the principle of refundable fees for individuals, an idea that I support, the Federation must be willing to let any group of students (be they grads or engineers or some other faculty) leave the Federation, if the majority of the students in that group profess their desire to leave by democratic action. Whatever decision is taken however must be done via due process and take into account the feelings of all the parties involved.

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- >I'LL LET IT PASS.
- >IN ANY EVENT, I ASSUME YOU ARE TOO MUCH ENAMoured TO THIS
- >IDEA FOR ME TO DISSUADE YOU.
"Righto Freddy. Where do we start?"
- >CAN THE HOMILIES.
- >YOU'LL NEED AN EXCLUSIVE-OR GATE.
"A what?"
- >RE-READ YOUR VIDEO JERK.
- >YOU'LL NEED AN EXCLUSIVE-OR GATE.
- >YOU CAN PROBABLY BUILD IT OUT OF
- >ALREADY AVAILABLE PARTS.
"Oh. How do I do that?"
- >**SIGH**
- >I CAN SEE THAT THIS IS GOING TO BE A LONG SESSION...

Dear mathNEWS:

I am pleased to hear that Mathsoc has cleaned up the mess caused by the election controversy by starting over again by reopening nominations. I hope that the new procedures will not discourage serious candidates from running for executive and council positions, but will at the same time prevent frivolous candidates from cluttering up the process. In the past few years I have seen a slow but steady decline in the operations of Mathsoc. I hope that in this election the real issues will be addressed and that the people involved can get Mathsoc back on the road to becoming the great organization it once was.

J.J. Long

I do feel that the Federation should take some additional actions if they wish to make the grad/undergrad separation complete. First of all it should recognize the Graduate Club as the official representative of the grad students at UW, after all it shouldn't kick the grads out and let them drift. Secondly, since the Federation will no longer represent all students the name "Federation of Undergraduate Students" or "Federation of Students (Undergraduate)" would be a more appropriate name than the present one.

J.J. Long

Dear Editor:

In response to your editorial of February 29 regarding the circumstances surrounding the Mathsoc elections: rather than cry "slander", "mud-slinging", or respond with similar and opposed rhetoric, I would like to quote two passages from Henry David Thoreau's essay, "On The Duties of Civil Disobedience":

"A government in which the majority rule in all cases cannot be based on justice, even as far as men understand it. Can there not be a government in which majorities do not virtually decide right and wrong, but conscience? - in which majorities decide only those questions to which the rule of expediency is applicable? Must the citizen ever for a moment, or in the least degree, resign his conscience to the legislator? Why has every man a conscience, then? I think that we should be men first, and subjects afterward. It is not desirable to cultivate a respect for the law, so much as for the right."

"Unjust laws exist; shall we be content to obey them, or shall we endeavor to amend them, and obey them until we have succeeded, or shall we transgress them at once? Men generally, under such a government as this, think they should wait until they have persuaded the majority to alter them. They think that, if they should resist, the remedy would be worse than the evil. But it is the fault of the government itself that the remedy is worse than the evil. It makes it worse. Why is it not more apt to anticipate and provide for reform? Why does it not cherish its wise minority? Why does it not encourage its citizens to be on the alert to point out its faults, and do better than it would have them? Why does it always crucify Christ, and excommunicate Copernicus and Luther, and pronounce Washington and Franklin rebels?"

This essay, written in 1854 to protest the levying of taxes by a government sanctioning slavery and waging an unjust war, is still germane to the microcosmic tempest we find ourselves in. As for yourself, Mr. Collins, surely the author of this unsigned editorial, I make the observation that you are one of a dying breed: a man who absolutely believes that the things he does are right. In this, you are to be both envied and pitied.

yours sincerely,
Prabhakar Ragde

-dthedmonds

Ladies and gentlemen, the trained monkey is back:

Broomball Sweep

In the last broomball game of the season, the Polish Connection consisting of Stan Mikoluk, Greggie Bezoff and Dzeph Heinz, came through to score all five of Math's goals. Bezoff had a particularly stong game, collecting a hat trick, and complaining after the game that on several occasions he had tried to get off the ice, but that the ball kept following him around. Hains also had a good game with one goal and two assists, while Mikoluk connected for the tying goal. Dave Spence rounded out the scoring with three assists, including setting up Mikoluk's goal.

Math this season came through right on the money and showed considerable improvement over the previous season. Their earlier showing was improved to make them a .500 team. The offence has begun to show a fair degree of coherence, with shots being set up to take advantage of the slot area as well as men in the clear. Defensively, the goaltending has improved considerably over the previous season, but it and the defensive core still need some firming up, in order to lower the number of good opportunities allowed to the opposition.

With the end of the season upon us, I would like to thank all the players who turned up for the games. So as we head into the tourney, wish us luck. We'll need it!

Scoring Leaders

Name	G	A	P
Geoff Hains	6	7	13
Greg Bezoff	4	5	9
Stan Mikoluk	5	1	6
Dave Spence	1	4	5
Dave Dennis	1	2	3
J W	0	2	2
Rob Collins	0	2	2
Red Brown	0	2	2
Brian Hicks	1	0	1
Mike Robinson	0	1	1

Goaltending

Name	MP	GA	AVG
Burloaf	360	26	4.33

Fun With Inner Tubes

The Math *Seahorses* innertube waterpolo team wound up the season by playing the *Dolphins* in a challenge match on March 3rd. (The *Dolphins* are captained by Carolyn Doll, and are comprised mainly of renegade math students.) Last season, the *Seahorses* lost the First Annual Challenge Cup to the *Dolphins*, so this rematch was especially significant. The *Seahorses* were handicapped by the fact that several key players were unable to make the game. However, after a long, hard fought game, the *Seahorses* emerged victorious; the final score was 13 to 10. (Time of the last goal - 8:32). The coveted Challenge Cup, awarded to the winning team, is currently on display in the trophy showcase, outside the third floor lounge. The win was later celebrated down at Mother's, where the fuzzy blonde proceeded to drink us all under the table. Thanks to all who participated, and we hope to see you again next season.

headie



OPPOSE the FEE HIKE STRIKE JOIN WORP

(Waterloo Organization of Reasonable People)

This organization represents those students at the University of Waterloo who feel that a fee increase of 7½% is reasonable and want it to be known that they do not support the FEE HIKE STRIKE. If interested in joining, or in more information contact Don Syms at 579-0873 or Steve Hayman at 884-8159 or leave a message for them in the Mathsoc office.

GET WORPED

"All these delays — a thousandth of a second here, a millionth of a second there — we'll have to get the darn thing fixed."

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A similar incident happened some years later, when the concept of "personalized processing" was incorporated into COMSYS. It was possible to have a programme run to process your incoming mail before you read it yourself; useful for automatic listing or filing. Another use that was discovered was to answer mail automatically. If you were on vacation, you just set up your personal processor to send mail saying "I am on vacation until June 18. I will answer your mail when I return." As soon as two people had the vacation programme turned on, one sent the other mail announcing he was leaving. The second person's processor responded that he was on vacation. The first person's vacation processor fielded that mail and answered that HE was on vacation, and so on, and so on. A little before the disks filled, the vacation processors were turned off.

The Network Control Center at Bolt, Beranek, Newman, Inc. (developers of the ARPAnet, among other things) periodically checks TIP (dial-up) numbers to make sure they are working. This is done with an autodialer and a list of "known TIP numbers". Each number is checked once a day or so. Not much happens if a particular number doesn't work (i.e. doesn't give a carrier), unless someone complains about it. There are TIPS in some pretty out-of-the-way places and it doesn't matter much if some of the numbers aren't working for a while.

In any case, there was one number that started losing consistently for a couple of weeks, and no one could figure out why. Finally, they decided to connect up the line to a phone and listen to see what was really happening. The phone rings a few times. It's answered, and the NCC equipment sends some hand-shaking. Then a voice comes over the phone: "Hey, Martha! It's that damn nut with the whistle again!" (It seems that the phone company had recycled the number.)



For the first time that I can remember this masthead is being done in the middle of the afternoon. To be exact...2:00 Monday Mar. 24. We are still doing layout and hope to have this out before classes end. FORGIVE US FOR ALL THE ARTICLES TALKING ABOUT THE ELECTION WHICH IS GOING ON AT THIS VERY MINUTE. People working right now are me, Rob Collins, geoff hains, walter steinemann, ross brown ashok (complaints) patel, don (worp, badger) syms, ted macneil, being obnoxious, and maybe others. those who have worked in the past, anne kilpin (my sister-in-law), sarah (young but bothersome) cross, dean (terribly horny) edmonds, (get that jo-anne?), burloaf, GREAT THANKS TO KEN HUNT FOR GIVING US OUR OWN OFFICE!!! that'd right, we actually have our own office, M&C 3035! YEAH!!!!!!!!!!!!!! i'm getting really sick of this typewriter. how come you people never got off your ass and wrote more for us. if you did we'd had more issues than we did. why don't you all STICK IT! Hello to the new person up in the undergrad office (5115) whose name i didn't get. we'll miss you veronica. i forget bwlutek and his great limericks. ashok, you are an imbecile. shut up! congratulations MAB! any words?..."hang on a second, only five things at a time... something intelligent..."...this isn't coming out well...good-bye.

Ode to V2

Well, it's two thirds of the way through the term and I've already given up hope of leading a healthy life in the shadow of the zoo. Back in September, I didn't seem so much like a sadist tending in the way towards a religious (and I use the term loosely) cult. The pagan God, that glorious two-four. That great illusion when not just a drink, but half the case consumed, seemed to cloud the vision to what was really happening. It was freedom, from parents, high-school, past years, a new life. Freedom to do whatever, whenever, wherever, however, with whoever. The only person (if you refrained from turning into some species of vegetable, animal, or mineral) you had to confront was yourself. If you could bring yourself face to face with that image of what is now you.

I'm not against pub crawls, boat races, caps games, drink & drown weekends, pubs, floor raids, creeks, oktoberfest-jerk-toga-jock-40's-50's-60's parties, but when carried to the extreme and others are treated less than sub-human, it's time to look at what you call life... a good time.

Alright, I'm not saying it's not great to get away from home and having a bit of a social life and a little fun (after all everybody in residence studies so hard), but why must it be geared toward corruptive ways? Two attempts at a winter carnival had to be substituted for 'get totally smashed and sick' weekends. That isn't necessarily an equivalence, unless it's what you were hoping for

in the first case. A suitcase pub with a door-prize of a trip for two to Montreal with spending money and only one hotel room reserved. Floor parties with punch consisting of 90% alcohol for the ladies (?) and beer for the guys. (They probably couldn't handle the other stuff.) Get my point?

Sure I went to the parties and drank first term, but I'm starting to find there's more to life.

Being a mainly frosh residence, most of us (remaining) realized we did have to do homework (sooner or later). And second term (the thing we're in now), it became sooner. We frosh have grown wiser, to others' disbelief. Yet, still we carry that demented picture of life. Has it been too long since we've seen the real world? Maybe the constant stench of beer has infiltrated our brains or our blood via broken bottles lining the stairwells. Perhaps too many Virginias have grown to maturity and have been harvested. Other cop-out reasons: the pressures of school, 'my parents will kill me if I fail' (it's more like 'what excuse can i give the old folks this time, pass me another beer, will you?'), 'I can't worry about you, I have to do some work', 'too busy looking for a job', 'you don't go drinking with us anymore, what are we, purple?'

First term was at least out in the open, meet people, have fun, party, and get drunk. Somehow, I prefer last term to the cliques and subtle cruelty that has developed since.

I wonder if V1 will be different.