## Why Antical is Different

You may have noticed that the Antical format is different again this year. This edition contains no comments. Last year, Math Society came to an agreement with the faculty on format. The faculty's objections to comments were that they were unsigned and sometimes slanderous. They felt it was an unfair pot-shot at a lecturer, by a perhaps small vocal group, as not all students would comment - usually only those with gripes. This could present a mis-leading situation where three or four students could rate a lecturer badly, mean-while the rest of the class could feel that the lecturer was acceptable but not bothered to comment, leaving the im-
pression that the lecturer was indeed poor.
Another objection was the fact with the comments being available, few students would actually read the tables. This would mean that not the hard statistical facts were being read, but merely statistically unreliable comments.

Because of this, Antical was not considered credible and was being ignored by the faculty for promotion purposes (which in fact was one of its original intended purposes).

In a spirit of co-operation, Math Society and the faculty this summer agreed upon a new. questionaire that will be administered this fall and winter. The
results from this survey will be available for and used in promotion consideration. Also by examining the tables, the student can determine which lecturer best suits his/her learning ability.

The new questionaire consists of 25 questions all of which were suggested for inclusion by students. THe questionaire was not watered down by faculty members sitting on the selection committee, but was strengthened by their input on how to make Antical more credible. In hard facts, this means that we win by having no comments. Promotion committees and term hiring committees will use Antical as an aid in making decisions. This means that we have a better chance of getting rid of poor lecturers or as an alternative force them to acquire better teaching techniques.

FRIDAY, SEPTEMBER 24, 1976


## The Illustrious Putnam

## Math Faculty Deadlines

## Practice Sessions for the Putnam

On Saturday, Dec. 4 of this year, the annual William Lowell Putnam Mathematics Competition will be written. This competition is divided into a morning session and an afternoon session each lasting three hours and each consisiting of six challenging problems drawn from all branches of mathematics. It is open to all undergraduate mathematics students in Canada and the U.S. and has been written every year since its instigation in 1938.

Waterloo has done quite well in the past, winning it in 1974 and placing sixth in $i i$ last year. However, such achievements require a great deal of effort on the part of the students who write it and the professors who help the students prepare. In the past two years, this preparation has consisted of weekly problem sessions starting in September and continuing right up to the actual competition. This year again there will be weekly practice sessions, held by Prof. Forte (MC 5174) with the assistance of Prof. Ng (MC 5076) and Steve Locke (MC 3044). These practice sessions will be held at 7:00 p.m. every Monday night in MC 3009 and usually consist of working on problems from previous contests.

So if you're interested in working on challenging mathematics problems or just mathematics in general, why not come out and help Waterloo carry on its proud
tradition? We particularly need first- and second-yr students as few showed up for the introductory session on Sept. 20. Don't worry if you don't think you're good enough, it's good practice for later Putnams. And who knows, you might surprise yourself. Two years ago, a first-yr student obtained the 4th highest mark at Waterloo out of the 22 that wrote it! If you want any more information about the contest or would like to write it in December, either see Profs. Forte, Ng or Steve Locke in the rooms given above, or show up at the practice session next Monday (Sept. 27) at 7 in MC 3009.

There will also be a "warm-up" contest prepared by Prof. Forte sometime in October to give students a feeling of what the Putnam will actually be like, and to decide which three students will represent Waterloo (the team score of an institution consists of the sum of the scores of three students designated by the professor in charge prior to the competition). Those students especially who have already written either the Senior Math Contest or the Descartes Competition in high school, should find the Putnam Competition to be a profitable experience, although this is by no means a requirement. All that is required is an interest in solving mathematical problems. I hope to see you at the next session on Sept. 27.

MATHSTART will continue to run for the rest of this week from 8:30 am to 4:30 pm in MC 5158. After that "chops" can be authorized by any of the Faculty Advisors, while course additions/changes must be approved by either of:
P. Brillinger
MC 5115
K. D. Fryer
MC 5106
P. Ponzo
MC 5108
and then only under special circumstances. Also, after Friday October 22, courses may be dropped only under extenuating circumstances.

This means that all you people who haven't added or changed by Friday September 24 will have to get hustling!




## JJBT <br> Strikes Again!

The time has come, the walrus said, to talk of many things,
Of tug o' war, JJBT, of cabbages, and kings,
If Laurel Creek is boiling hot, and whether pigs have wings.

We thought that, since this is this term's first article for us in this mathematical journal, we would start off with a quote from the eminent mathematician, Charles Dodgson. Now, down to business.

JJBT was out in force(?) for the Federation tug o war. In our first pull, against the Feds, despite the disadvantages of being outweighed by a huge margin and being placed on a downward slope, we lasted for almost ten seconds. At that point, Mike "Nadia" Rose did a beautiful back flip into Laurel Creek, for which he was given a perfect mark by all the judges.

After that, the engineers defeated the Feds, but they refused absolutely to accept our challenge (They knew with whom they were dealing!). Therefore, we went up against the Feds in a rematch.

The rematch was a classic struggle all the way, but, in the end, Owen "Catfish" Leibman led JJBT...into the creek. (After all, a captain should go down with his ship; and, what is a more natural place for a Catfish than in a creek.) The big excitement came, however, when Rob Takimoto, a promising JJBT rookie, did a spectacular forward dive into the creek. For this, he was given a record score of 11 out of 10 , depriving Mike of what seemed a certain victory.

The final standings were thus:

1. Rob Takimoto, JJBT
2. Mike Rose, JJBT
3. Shane Roberts, Federation

## MathLetics

Mathletics got off to a good start this term for guys with flag football, soccer and softball all having good turnouts in the sign-up lists.

However, the girls didn't do so well. In fact as of this writing, not one girl has signed up for a competitive event. Come on girls, let's get with it.

No scores have reached me yet but I've been told by Joe the Drunk that the softball team was 2 and 2 in the St . Jeromes tourney.

All for now.

Thanks to Gerry (Goo) Oue, Doug (Boon) Bond, Peter (Petec) Chynoweth, and Selma Sahin, who competed for us, even if they didn't get wet. No thanks of any kind to Graham (Press) Ashby, who almost got run over by an empty bicycle tire, and left.


## JJLong Fed Reports



At the last Students' Council meeting committees: Financial \& Treasury, Shane Roberts proposed the setting up of Bylaws \& Policies, Social \& Living four council standing committees. I can Needs, and Educational Opportunities. endorse the idea in principle as I have The last two committees are related, but it proposed the institution of standing com- seems that Social \& Living Needs could mittees myself six months ago. However, have been divided into separate comI feel that his proposal was ill-prepared mittees, as I feel they are not as related as for the council meeting. He proposed four Roberts feels.

# GRIDC $\odot M M E N T$ 

From the correct submissions, a winner is selected at random at the production meeting whose name will be published in that issue. Once you learn that you have won the Gridword, you can go to the MathSoc office to receive your prize, a free math T-shirt.

T-shirts are also awarded to anyone who creates a Gridword which is published by mathNEWS. To qualify as an official mathNEWS Gridword, it should be at least 15 squares on each side with no more than $20 \%$ of the squares blank. Clues should also be (moderately) reasonable although this is not an absolute requirement. However, there is no need that the Gridword be rectangular planar. In the past, we have had cylindrical, toroidal and even spiral toroidal Gridwords although we have yet to receive a polar Gridword. If you can think up some new geometry for a Gridword, try it out on us. We're open to suggestions.

I shall propose amendments to the committee structure but if these amendments don't pass I'll vote for the Roberts proposal. However, I feel that in the long run no less than a complete overhaul of Federation bylaws and policies are needed.

While I have disagreed with President Roberts a number of times, I feel that he is essentially a good person. He works long late hours at his job. He will talk to the ordinary student and treats people fairly. He may tend to be too bureaucratic and consumed with details at times, but is at least preferable to the president of a year ago.

Now I have a few words about AntiCal. I don't like to see a professor unfairly treated, but I believe elimination of comments is not a solution. I am sorry if I insulted any of the people who worked on Anti-Cal, but I personally feel that this year's edition was not up to par. It was
c/o MathSoc, MC 3038.
c/ O MathSoc, MCersity of Waterloo
For the benefit of those frosh who are not familiar with the Gridword rules and would like to qualify for a gridword prize, the following is the procedure you should follow.

You must first complete the Gridword correctly (incorrect solutions will not be considered and hence, should not be submitted). Submit your (hopefully) correct solution anytime before the start of the mathNEWS production meeting the following Tuesday (meetings usually start at 6:00 p.m. so try to get it in before then). This can be done by dropping it off in the MathSoc office, the mathNEWS mailbox outside the 3rd floor lounge, or by mailing it to
mathNEWS
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CAREER TALKS GRID

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& \text { IBM Canada Ltd. }
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(September 27,1976 ) Provincial Government
J. Hoicka
Ministry of Treasury,
Economics \& Intergovern-
mental Affairs

| Accounting (CA) | Teaching <br> R. Evans <br> The H. Krug Furniture Co. <br> (University) <br> B. Forbes |
| :--- | :--- |
| T. Reidel | University of Waterloo | Applied Mathematics University of Waterloo University of Waterloo

Optinization
M. Best University of Waterloo
very hard for me to follow as there was litthe explanation or indexing and I found the printing unclear and the layout confusing. This is only my personal opinion, but I do know other students and profs were not very impressed as well. The AntiCal must be reformed or else we must consider doing away with the exercise altogether.

## This is a New Colum

For my first column, I should probably fill you in on who/what writes this column, what he/she has done previously, and what the column will be about. I say probably because I am not at all sure whether you, the unenlightened readers of mathNEWS, should know who or what it is that tries (largely unsuccessfully) to enlighten you.

To begin, I have a strong dislike for referring to myself as I so we will call ourselves we from now on. The reason for this is our experience in the field of underground high school newspapers. We were not immensely popular with the administration, and we found ourselves forced to feign Schizophrenia in order to avert suspicion. In any case, we were discovered all too soon, and we were forced to go much deeper underground (at least 20,000 leagues). So there we sat with Jules Verne, desperately trying to be both prolific and provocative. Both attempts were largely successful, as the papers we wrote were usually finished and released by 8:30A.M., and confiscated by 11:30. (We use the word confiscated in bold face because the paper was usually removed by the offended party, not by anyone in an official capacity.) (Generally the official capacities couldn't understand the insults that pertained to them.)

Having established that we are of the Schizoid nature, we would like to describe the events and items about which we will be writing. One rule of thumb is this;

If you do anything stupid, expect to see your name and a full description of your lack of mental ability in print.

In the event that all 14,000 of you behave in a reasonably intelligent fashion for a full week or more, this column will contain appropriate comments on wine, women, song (not necessarily in that order) as well as sports, politics, communicable disease, and other enjoyable topics. (If you find none of the above enjoyable, please consult your psychiatrist. They have places for people like you.)

In some cases, the column will start out rather slowly and pick up near the end. Most times, however, it will start out real slow and fizzle out altogether (apologies to Neil Young) and we, the writer, will fill the left-over space with blanks, or pictures of the Prime Minister. Whatever it contains, however, it will always be suitable for dart-board applications.


On Thursday Sept. 16 the WATSFICers, otherwise known as Uniwat's science-fiction freaks, had their first meeting of the term.

Much was accomplished, including hooking a new executive. (That is fishing them in) The new and illustrious leaders are headed by two members of stronger sex, TIC (Prez) and Razamatazz (Treas). Our secretary, Danny ?????? faded into the background before a last name could be determined.

Also discussed was the upcoming OKTOBERKON, K-W's first sciencefiction convention, which is being presented courtesy of WATSFIC. It takes place at Forest Heights Collegiate, Fischer Rd on Saturday, Oct. 9, commencing at 9:30 a.m. We will be showing good sci-fi movies all day, including 2001,

Short flashes on events from the already-famous Summer of '76: Schmidt's of Philadelphia has come out with a four-part series of Bicentennial Beer Cans, and I'm sure you'll all be interested in collecting all of them. Of course, the cans are filled with the most hideous yellow foaming liquid known to man.

The summer was especially poor for new music. AM and FM both participated in the Paul $\mathbf{M}^{\mathbf{C}}$ Cartney, Elton John, and Peter Frampton Overkill and most bands either did nothing or contributed little in the way of interesting material. However, two excellent albums surfaced through the wreckage. One is by Jeff Beck and is called Wired. You will really enjoy it if you are, because he was when it was recorded. The other is a supreme solo effort by Jon Anderson of Yes, which is called Olias of Sunhillow and features some of the best vocal work on disk. (Note to CSC: Not that kind of disk!)

Two other items of note: We all know what dinks are, and why we try to avoid them. But the dictionary definition of dink is odd: dressed in one's newest or finest clothes.

Dink can be the first Word-Of-TheWeek. Secondly, this week's Most-Beautiful-Girl-On-Campus A ward goes to the blonde in Village I with the wirerimmed glasses who wears beautiful sweaters, beautifully, and who walks with a distinct shake. Keep up the good work! We're watching.

We, the writer, wish to thank you for reading our column; we hope you enjoyed it, and we'll be hearing from you (or you from us) next week. (It all depends on who Mad Dog is by then.)

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\$ STEVE \$

Forbidden Planet, Soylent Green and more. There will also be an Art Show and panels on various subjects. Included in the guest list are several famous names in the sci-fi field. More information and maps may be obtained from MC 3038. (All this for $\$ 2.00$ ?)

Copies of our fanzine 'Starsongs' may be obtained from the Mathsoc office or at our next meeting, which is Tues. Sept. 28 time and place to be announced. Contributions (Art, money, convention reports, money, articles, more money....) to the upcoming issue will also be gratefully accepted.

It is rumoured that we worship a lifesize statue of William Shatner NOT TRUE!!!!!!! Trekkies (Star Trek freaks to you illiterates) are a minority, so far, in our midst. Most of us are normal, sane, and intelligent human (?) beings.

Any new members, ideas etc. are welcome. Viddy you next Tues.

## What Happened Last Week

You may have noticed something strange about last week's issue (or as I heard one fellow remark, from the other end of the hall: THIS ISN'T mathNEWS!). In fact, that "issue" was the smallest (ie. 4 pages) that it has EVER been. It is also the first time (since our 3rd issue) that we have had (most of) the issue neither photoreduced nor phototypeset. How could we do it, you ask? Well, actually, it was easy... First off, *hugh* decided to go to T.O. for 4 months instead of being mathNEWS editor, then too, you might take into account the fact that we didn't have any news (that we knew of at the time, at least), nor did anyone know how to work the phototypesetter software. So that about covers it (except for the usual lack of people of course... ). As (I hope) you can see, we're definitely getting back on the track now (and will continue on... with your support... help... etc... ).

However, despite the lousy quality of that issue (some would say because of it, but really...) the Chevron saw fit to reprint our third page cartoon. And those of you who noticed the altered credits will be relieved to know that our fair lady cartoonist, Ann Onymous is indeed in reality lovely Manny Bryckman, part-time Fed treasurer and full-time half-jineer, who tagged along to the first mathNEWS meeting with MathSoc's lead Reindeer (and \#2 elf). It might be noted that this practice is not original with the Chevy, but was in fact started a year ago by N jinews... Perhaps this is destined to become a yearly event...

And speaking of anniversaries and such: don't miss our next issue! it will be our gala centennar-issue. Yes disregarding an Antical and a $T$-shirt this next one will be our 100th issue, so come out and see the "joyous celebrations" and, incidentally, maybe help us keep going for another 100 issues... see you THERE!

# The University of Waterloo Science Fiction Club Presents 

The First K-W Science Fiction Convention

# $\rightarrow$ ALL DAY MOVIES <br> $\rightarrow$ ART SHOW \& AUCTION <br> featuring <br> $\rightarrow 5$ PANELS <br> $\rightarrow$ DEALER AREA 



SATURDAY OCTOBER 9
Admission \$2.00
Doors open at 9:30 am
$\stackrel{\text { AT }}{\stackrel{\text { Forest }}{ } \text { Heights Collegiate, Fischer Rd }}$

PANELS<br>Science Fiction Fans SF in the Movies<br>Fantastic \& SF Art<br>Comics<br>SF Writers on Writing

For more information contact:
WATSFIC.
M\&C3038
University of Waterloo, Waterloo, Ontario

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what am i doing here, past my bedtime, writing a masthesd (whatever that is) for this d*** newspaper?........................i have been told that a masthead constituedtes (oops) of the mad dof ramblings of the editor (which i am not) at unlikely hours in the morn (which it is not) in order to fill up space (i wonder..) and thank staff (no comment). any who, here iam, only on campus two weeks and already the quasi-editor of mathNEWS (ulp:; all this foolishness is brought to you with thanks to mad dog for volunteering me; eric for playing ludwig van, ; perry, adrian, owen, randall, mad dog and me for writing; doug for lots of typing, and most of the others previously mentioned for some of the same; phillip kelly for the gridword; mathsoc for the loan of office, lemonade and music. to all the kind souls who kept warning me concerning that which i was getting myself into, it's time to say i told you so! look where i am now, standing alone on the roof of m\&c, pondering on the whereabouts of the great pink tie and about ending all my myseries. about how i hate typing, laying out pages, typing and writers cramp. out of interest, am i the first frosh to write a masthead? ah, well. such is life. your masthead writer 非razamataz非 p.s. for those few in the third floor lounge late wednesday night, did you enjoy the christmas carols. i hope so. p.p.s. please to excuse the typos and speling.

