# PRESENTing

## MATHSOC EXECUTIVE

It's always best, upon entering any organization, to find out who the people in charge are; the ones to see if there are any problems or if you want to find out about what's going on (and in what ways you can help!) Since every Math student is automatically a member of the Math Society (by virtue of the Society fees paid), the identities of the MathSoc Executive should be a concern of all new incoming students. These people are:

President - Cindy Harris
Vice-President - Andrew Haycock
Treasurer - Bonnie Watt
Publicity and Publications - Wally Romansky
Social Directors - David McMaster, Carl Chaimovitz

The one position not mentioned above was that of Secretary, which due to unfortunate circumstances (Camille Tkacz, who was to be Secretary is not returning to Waterloo in the fall) is vacant. So, if any of you feel like getting involved in a hurry (and you're good at typing and scribbling down minutes at council meetings, etc.) then drop by the MathSoc Office (M&C 3038) sometime during the first two weeks and offer your services. I think you'll find that the people there are friendly, and always glad to see new faces eager to help.

Phil Lanouette
Member, Summer Executive

# memo

Late last Sunday evening, above the din that inevitably accompanies a weekend visit of distant relatives, the ringing of the telephone suddenly became discernible. Having answered it, my mother summoned me announcing it was the University of Waterloo calling. Now why would the university be calling me on a Sunday night in the middle of summer? As it turned out, the caller was none other than a a fellow representative of mathNEWS who was busy turning out summer editions of the paper for the co-op mathies on campus for the summer term. Having been a member of last year's staff I was being petitioned to trek down to Waterloo on August 11th to help put out a special edition of mathNEWS to be mailed to all of this year's first year math students (commonly referred to as math frosh). However, my summer job dispelled any such trip and so instead, I agreed to write some kind of an article for this special issue.

Well here it is, Civic Holiday and I figure it's about time I forced myself to sit down and write some kind of an article. So armed with pen and paper in hand I head out to the backyard to draft some kind of earth shattering message to this year's crop of math frosh. I quickly realize in what an awkward position I have put myself. Here I am to write a newspaper item about GOD-KNOWS-WHAT and for an issue about which I know virtually nothing! As I contemplate my predicament, the words of Paul Simon's "Kodachrome" ring forth from my radio and drift across the neighbourhood. "When I think back on all the crap I learned in highschool, it a wonder that I can think at all," Simon chants in derision.

At any rate, as I ponder my fourth return to Waterloo in September, I try to think back to my first year as I faced that first move to Uniwat. (My God, how those three years have flown by! I can recall a wide variety of emotions from eager anticipation to moments of self-doubt (Could I really be so sure of making it through four years of university? Surely it would be so much tougher than highschool!) And then there was that first actual arrival on campus. How I was awed by its immensity and the realization of being alone among some 12,000 other strangers! But then I realized that there were so may others in the same position. And, sure enough, friendships soon sprung up - lasting friendships.

I suppose, if from all this, there is any one message I would like to express it would be "get involved." You face 3 or 4 short years at university and believe me, as some one entering his fourth year, the years do fly by. Just think back on your highschool days - does it really seem like

# memo (con't)

5 years or so? And don't forget a university year is only 8 months long, or 4 months a term for co-op! So get involved, take part. There are so many things you can do on campus. Become an announcer on Radio Waterloo, or join the French Club, or any other clubs, or get involved in student politics, or even join the Warrior's Band! And, maybe there will be no better opportunity to put in a plug for mathNEWS (and why not?) Here is an excellent chance to get out, get involved and meet some really strange people (how else would you describe people who once a week get together and work all night to put together a newspaper?) Maybe you worked on your highschool paper or yearbook. Believe me you experience would be valuable but don't think we are looking only for experienced help. On last year's staff only one person had worked on a newspaper before and yet we managed to put out a weekly paper all term! Most importantly we need people with enthusiasm, people who want to get out, meet others, and become part of a functioning team. Come September we will be having an organizational meeting inviting writers, cartoonists, gluers, typists, pasters, cutters, etc. So why not watch for the announcement and come on out? (I might add that 70% of last year's regular mathNEWS staff were first year students. Let's see this year's group of frosh not only equal but topple that record!)

As a final suggestion to this year's new students I would like to add this bit of advice. Come down to campus early if you can. Classes do not begin until September 10 but during the days preceding the start of classes, a lot of people have prepared a variety of activities for you. Use these few extra days to feel your way around campus. Snoop around. Where is the record co-op? the bookstore? the bank? Health Services? the museum? the observatory? Student Awards Office? the art gallery? the Theatre of the Arts? the squash courts? Counselling Services? Seagram Stadium? the Birth Control Centre? the Ring Road? Food Services? Laurel Creek? ... What is the Bible Belt? the Chevron? OPIRG? Hi-Line? mathsoc? dial - a - dance? a bird course? Minota Hagey? Circle K? a plumber? the Rap Room? Hammer House? the drop and add game? ... Who is uncl'Bert? W. F. Forbes? Fred Kemp? Andy Telegdi? Dr. Stanton? Fred Miller? Stan Beckner? ... Get out and find out. Locate and take a walk around Columbia Lake. Get an ice cream cone in the Campus Centre. Look around the new Psychology Building. Find out where the campus flicks are held every week. Find the swimming pool. What hours are available for general swimming? Where are the Married Students's Apartments? Get a bus schedule. And so on and so on. Or to be more math oriented. Where's the math building? Where's the math lounge? What is the math society? Where is the mathroom and what is it used for? Where is the E.M.S. Library and what are its hours? Where will your classes be held? Where are the debug terminals? What's the pit? the 1620? the Honeywell? Who's the Dean of Mathematics? And what is the significance of that gigantic, gaudy pink tie?

Well I could go on, and on, and on; but hopefully my point has been made. Besides a sudden whiff from the barbecue beckons me elsewhere. So I'll just close in saying enjoy what remains of the summer and we look forward to welcoming you to the University of Waterloo in September.
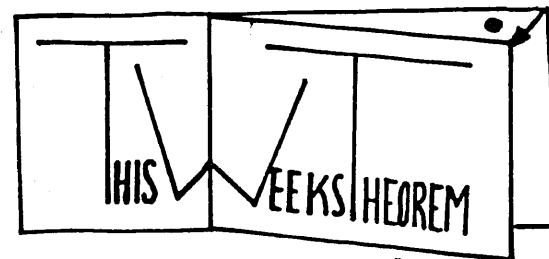
# classified

THIS WEEKS THEOREM

1. Show that any set of n+1 distinct integers chosen from:

$$\{1, 2, \ldots , 2n-1, 2n\}$$

contains 1) two integers relatively prime to each other.
2) two integers, one a divisor of the other.

2. A circular, one-way road has some gas stations on it. All of them together contain just enough gas to get exactly once around the road. Show there is at least one gas station where you can start (with an empty tank) and drive all the way around.

3. A cube of cheese, 3x3x3, is to be cut into 27 unit cubes. What is the fewest number of cuts needed, if we are permitted to rearrange the pieces after each cut?

For solutions see Dean Hoffman MC3045.

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# hi! frosh!

I'd like to be amongst the first to welcome you into the Faculty of Mathematics and also, at the same time, into the Math Society.

The Math Society is similar to your high school's student council in the organizational sense of the word: with a president, vice-president, treasurer, social director, publicity and publications, and representatives for both regular and co-op students.

But MathSoc is more than just a social outlet. We are here to solve any problems that you might have, especially during the first few weeks of orientation. And throughout the year, if you have any gripes, suggestions, or simply feel like talking, the Mathsoc office (room 3038 in the Math building) is always open.

You should all find time to come into the office during orientation to pick up the MathSoc anticalendar - a summary of courses and profs - plus to get your ID card stamped, denoting the fact that you're all loyal Mathies.

We, in the MathSoc office, are all looking forword to seeing you in September. Please come in to talk to us.

See you then.

Cindy Harris
President, Math Society

# in charge of 1STs

As Director of First Year Studies in the Faculty of Mathematics, I would like to extend a warm welcome to all of you as you embark on your freshman year at the University of Waterloo. We are fully aware that your first few weeks on campus can be rather hectic ones as you adjust to a totally new environment. However, we also hope that you will take advantage of the opportunities to make things as pleasant as possible for yourself. OPERATION MATHSTART, in particular, is intended to assist you in coping with registration and scheduling problems that often face new students. It is also a chance to meet other students and Faculty members in an informal social atmosphere. In addition, your Orientation Package contains all kinds of useful information, and I would hope that you take the time to read through this material with considerable care.

At a large university it is easy to get the impression that nobody really cares about you, and as a result, you can become very much a "loner". I would urge all of you not to fall into this trap. There are numerous people around the Faculty and the campus at-large who are more than willing to help you get started on the right foot. However, with so many students, it is your responsibility to make an all-out effort to meet new friends, contact Faculty members for assistance, and become involved in campus life.

The amount of work facing you in the next few months is probably greater than most of you have ever encountered before. Nevertheless, if you plan your time carefully, you should be able to give your academic studies their fair share of your hours and still have time left to devote to social and recreational activities. There are innumerable activities on the campus to suit everyone's tastes. The secret is to find a good mixture of enjoying yourself and doing justice to your studies. The actual blend in this mixture will depend largely upon individual interests and academic ability, and these vary considerably from one person to another. Nevertheless, it is vital that you devote some of your time to both scholastic and social activity if you are to have a rewarding time at university. I urge you not to delay. GET INVOLVED AND START WORKING RIGHT AT THE BEGINNING OF THE YEAR. DON'T WAIT UNTIL 'LATER'. 'LATER' MAY JUST BE TOO LATE!!!

P.C. Brillinger
Director, First Year Studies

# from
# the dean

I am most pleased to accept MathSoc's invitation to say a word of welcome in this special edition of mathNEWS. During this first confusing year, you will find mathNEWS a helpful way to keep up with happenings around the Faculty.

Please feel assured that, despite the bureaucratic endurance test of registration, you are most welcome in the Faculty of Mathematics. We try hard to provide an environment where all Faculty members, students and professors alike, can share common interests and goals, and we hope also that you will share our pride in belonging to this faculty.

Deans and the like are strong on platitudes and advice and there will be more of the same when we all meet together on Tuesday, September 11th at 3:30 p.m. in the Humanities Theater. I hope you will be able to find your way there (instructions will be given) so that, at least, you can meet some of the people you will be dealing with. I also hope that you are in the process of learning more of what it means to be at the University and that you are liking it. In the words of the limerick:

"There was a young lady from Kent
Who said that she knew what it meant
When men took her to dine, gave her flowers and wine
She knew what it meant - but she went."

Anyway, I hope that you will show similar initiative, creativity and adaptability to the requirements of University life. Good luck and, again, welcome.

Dean Forbes

# math ETICS

Mathletics includes all the sports you are used to playing (football, soccer, baseball, basketball, hockey, etc) plus a few you may not be used to playing (i.e., co-ed inner tube waterpolo). Math usually boasts a strong team in every sport. This past summer Math won the basketball, finished first in baseball and football after the regular season (both teams had perfect records) and although we did not win the soccer this summer, we did win it for the last two years.

So if you are afraid you'll be playing for a loser, have no fear. Of course students do graduate around here and in order for every team to be a good one, new members (i.e. frosh) are urged to sign up for the sports of his or her choice. You notice I say "or her". Yes people we also have girls on some of the teams some of the time. No discrimination in this faculty I can tell you that.

The main thing is to get involved whether it be in sports, math'NEWS, or whatever, because keeping busy makes the term go faster and getting to know people is certainly a better way to pass the time than sitting around reading back issues of SPIDERMAN. So come on out and do something - anything. You are the ones that make MathSoc what it is. The office is not that far away. Support a winner - join up now. SUPPORT A SPORT TODAY.

J. Higgins

## Tea for Two But Coffee for FREE

The Mathematics Society Coffee and Donuts Club has a membership identical to that of the membership of the Math Society. This is a passive membership and no action on the part of the student is needed. The working body of the Coffee and Donuts Club (C&D) is a proper subset of the Math Society.

C&D was originated three years ago as an attempt to supply, to the students, coffee and donuts at student-oriented prices. At that time, the prices in the vending machines were increasing, and the quality of the product was decreasing. The idea of C&D was readily accepted by all, and soon became copied by Engsoc and the Federation.
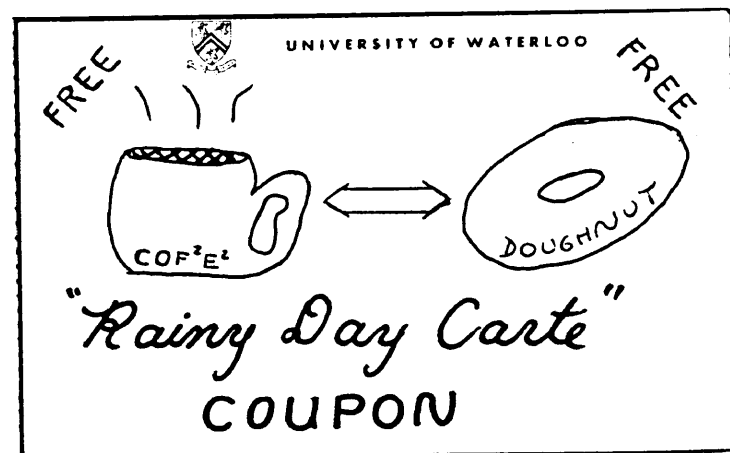
C&D sells coffee, doughnuts, pens, matches and, new to the line, Kaiser roll sandwiches. The coffee is the cheapest, (and occasionally even the best) on Campus, and the doughnuts are supplied by Donut Queen fresh every morning. There is generally a wide variety to choose from, and they are all good.

Our retail outlet, (better known as the Coffee and Donuts stand) is situated in the Math and Computer Building in the third floor student lounge. The stand is manned all day, every day by students in Math. The C&D workers are paid $1.50 per hour for the time they spend. This is a handy quite painless, source of income during the school term and I would like to extend an invitation to all freshpersons to apply to work at the stand. This can be accomplished either by leaving your name at the MathSoc office (MC 3038) or by signing the list that will be posted on one of the third floor bulletin boards during the first couple of days. The positions of manager and assistant-manager are also paid positions open to anyone in the Math Society. If you feel that you are executive material you are invited to leave your name at the MathSoc office during the first couple of days of classes.

Now, I would like to wish you health and good luck during your first year at UNIWAT and also to remind you that without you, C&D folds.

Rodger Dougall
Manager, Coffee And Donuts



FREE FREE

UNIVERSITY OF WATERLOO

COF²E²  ⟺  DOUGHNUT

"Rainy Day Carte"

COUPON

# the phantom reports....

Well -- summer's almost over (actually, it has been for the past month, it's just that no one has noticed yet). In a few more weeks the campus will once more be buried beneath an Avalanche Of Semi-Humanity. The Prep exams will return to M&C4022, and the frosh will have the absolute joy of searching for it in the library.....

Then the survivors can go on to "bigger and better things" like figuring out why the front of the Math Building on floors 4,5&6 is at 90 degrees to the front on floors 1,2&3 or trying to learn something from their courses (quite a feat in itself).

First there is WATFIV, a super-charged version of that trivial subset of ALGOL commonly referred to as FORTRASH. This is actually WATFOR PLUS, which shows that altho you should be able to add, the ability to spell may not necessarily be an asset....

After a valiant couple of weeks have been put in on this useless (tho somewhat over-extended) language, it is normal to digress to WATBOL, a distant relative of COBOL (tho unrelated to SNOBOL and SPITBOL). Some of the more computer-oriented may have heard of COBOL - the language which finally showed the need for some sort of standards in software design.....

NOW we come to the real thriller, after having commited enough to memory to escape from the first term, one has the privilege of learning an assembly language!!! (not a REAL assembly language, of course, but a complete one none-the-less.... with its own operating system and fake clock and fake channel I/O and fake interrupts and lots of other nifty fake features....). It is called WATMAP* (WAT else??) and is written in COBOL (for lack of anything worse).

Naturally, with all those languages out there waiting to be tried, a fast, dependable, multi- lingual job submission facility which could be generally available and easy to use is an absolute necessity. This obstacle has been deftly side-stepped by the use of a number of surplus readers and printers, which have been mercilessly attached to the poor, over-worked, over-paid /75, and labelled the "DEBUG TERMINAL". It is supplied with huge mounds of punched cards by an indeterminate number of out-dated keypunches, operated by that small, but hopeful group of under-privileged persons who have not as yet found a means of crashing it.... and the occasional Artsie type who can't be expected to know better.....

Of course, anyone who gets tired of walking around in (literally) circles can come up to the 3rd floor and use the Math Faculty's Computing Fallacy, our very own Honeywell 6050 commonly called "the 'Bun" among other things, most of which aren't fit to print......

The 'Bun is one of the newest computers around the campus, and aside from the disks and the console dying occasionally, and not being able to read some of its tapes, and problems with the air-conditioning sometimes, and the printer most of the time, its hardware is in excellent condition (except when the accounting tapes are hit by lightning or its memory banks are mistaken for the local septic tank (a common mistake))....

However as one might imagine, their software is not yet quite up to par..... At first all of it was supplied by Honeywell, and while their FORTRAN and COBOL are as good as WATFIV and WATBOL, that isn't saying much. At present most of the 'Bun's useable software is from Bell Lab's in New Jersey. The remainder was mostly written by a couple of first-year Plummers and a frosh Physics student....

Tho some Mathies have made valuable contributions to the cause. Consider for example the case of the text editing system: when it first appeared, it worked quite well, or at least reasonably. It was then "improved" tho no one will admit to "improving" it (possibly because no one did). After several months we were rescued by a first-year Mathie who wrote a "new" editor by comparing the source for the original with the present version and removing the improvements....

All in all, I'm sure you will just love Computing at Waterloo, and all I can say to you is: GOOD LUCK!!!

*Anyone who has heard of "SPECTRE" will be pleased to know that it is now dead and is being re-cycled to the high schools.......

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# ORIENTATION

| WEDNESDAY, SEPT. 5 | THURSDAY, SEPT. 6 | FRIDAY, SEPT. 7 |
|---|---|---|
| INFORMATION WATERLOO<br><br>CAMPUS CENTRE<br><br>9AM-5PM | INFORMATION WATERLOO BUSE TOURS FROM 10AM CAMPUS CENTRE<br><br>VILLAGE 1<br>PUB DANCE<br>8:30-MIDNIGHT<br>RED AND GREEN DINING HALLS | INFORMATION WATERLOO<br><br>FEDERATION PUB FOOD SERVICES 8:30-12<br><br>VILLAGE 1  AFT. PUB<br><br>VILLAGE 2  GREAT HALL FROSH ONLY PUB 8:30-12 |

| SATURDAY, SEPT. 8 | SUNDAY, SEPT. 9 | MONDAY, SEPT. 10 | TUESDAY, SEPT. 11 |
|---|---|---|---|
| VILLAGE 2  GREAT HALL<br><br>'SECRET FRIEND PUB'<br><br>8:30-12 | DOWNCHILD BLUES BAND<br><br>BRUTUS<br><br>FREE CONCERT IN THE WATERLOO PARK BANDSHELL STARTING AT 6:30 PM | INFORMATION WATERLOO CAMPUS CENTRE<br><br>CAMPUS WIDE SCAVENGER HUNT IN THE AFTERNOON<br><br>VILLAGES 1 AND 2 FROSH PUBS<br><br>8:30-MIDNIGHT | INFORMATION WATERLOO CAMPUS CENTRE<br><br>FREE MIDNIGHT MOVIES CAMPUS CENTRE 'STERILE CUCKOO'<br><br>VILLAGE 2 PUB  8:30-12<br><br>GATHERING OF THE PINK 'WINE AND CHEESE' 5TH FLOOR LOUNGE M+C BUILDING  8:30-12 |

| WEDNESDAY, SEPT. 12 | THURSDAY, SEPT. 13 | FRIDAY, SEPT. 14 | SATURDAY, SEPT. 15 |
|---|---|---|---|
| INFORMATION WATERLOO CAMPUS CENTRE<br><br>TOM NORTHCOTT (PUB) CAMPUS CENTRE 12-6<br><br>FEDERATION PUB  8:30-12 FOOD SERVICES<br><br>LIGHTHOUSE IN CONCERT PHYSED BLDG  8PM<br><br>MATH DEAN TALK-HUMANITIES | INFORMATION WATERLOO<br><br>TOM NORTHCOTT  12-6<br><br>FEDERATION PUB F.S.<br><br>FEDERATION FLICKS HOSPITAL AND FUZZ ARTS LECTURE 8PM<br><br>VILLAGE 1 PUB 8:30-12 | INFORMATION WATERLOO<br><br>TOM NORTHCOTT 12-6<br><br>FEDERATION PUB F.S.<br><br>FEDERATION FLICKS 8PM<br><br>VILLAGE 1 CROSS-COUNTRY<br><br>VILLAGE 2 PUB 8:30-12 | CIRCLE K 'SPLISH SPLASH CAR WASH'<br><br>FEDERATION PUB F.S.<br><br>FEDERATION FLICKS 8PM<br><br>VILLAGE 1 PUB 8:30-12<br><br>'WINE AND CHEESE PARTY' GATHERING OF THE PINK 5TH FLOOR LOUNGE M+C BUILDING 8:30-12 |

| SUNDAY, SEPT. 16 | MONDAY, SEPT. 17 | TUESDAY, SEPT. 18 | WEDNESDAY, SEPT. 19 |
|---|---|---|---|
| CONCERT<br>HUMANITIES THEATRE 8PM<br><br>FEDERATION FLICKS  8PM<br><br>VILLAGE 2  GAY NINTIES FIELD DAY  WIENER ROAST AFTERNOON | THREE DAYS IN SEPTEMBER<br><br>VILLAGE 1 PUB DANCE 8:30-12 | THREE DAYS IN SEPTEMBER<br><br>MIDNIGHT MOVIES CAMPUS CENTRE  FREE 'ROSEMARY'S BABY'<br><br>VILLAGE 2  OUTDOOR LUNCH AND CONCERT<br><br>MATHSOC MEET THE FACULTY 5TH FLOOR LOUNGE M+C BUILDING | THREE DAYS IN SEPTEMBER<br><br>FEDERATION PUB, CAMPUS CENTRE, 12-6PM<br><br>FEDERATION PUB, FOOD SERVICES, 8:30-12<br><br>MIDNIGHT MOVIE (FREE) CAMPUS CENTRE 'BARBARELLA' |

| THURSDAY, SEPT. 20 | FRIDAY, SEPT. 21 | SATURDAY, SEPT. 22 | SUNDAY, SEPT. 23 |
|---|---|---|---|
| STRATFORD TRIP 'TAMING OF THE SHREW' BUSES LEAVE 12:30PM<br><br>FEDERATION PUBS CAMPUS CENTRE 12-6 FOOD SERVICES 8:30-12<br><br>FEDERATION FLICKS (8PM) 'LADY SINGS THE BLUES' 'DOWNHILL RACER' ARTS LECTURE HALL | FEDERATION PUBS CAMPUS CENTRE 12-6 FOOD SERVICES 8:30-12<br><br>FEDERATION FLICKS | VARSITY FOOTBALL WESTERN AT WATERLOO<br><br>THE GUESS WHO IN CONCERT PHYSED BLDG  8PM<br><br>FEDERATION FLICKS | FEDERATION FLICKS<br><br>VILLAGE 2 BOX LUNCH AND BAND AFTERNOON<br><br>AND FINALLY REST!!! |

3+3

# on tap

I hope by now that you have received and read the orientation outline from the Federation of Students here at the University of Waterloo. The orientation program this year is an excellent one and should allow all first year students to fit into campus life quite comfortably. Because of the many and varied activities being run on campus during the first two weeks of school co-chairman, Don Ablett, and I have decided to keep the math orientation low key.
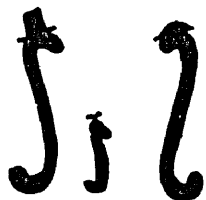
The main events of Math orientation are our wine and cheese evenings. These two nights give the first year students a relaxed and comfortable atmosphere to enjoy some of our local folk singers such as John Constant and Gemini. Both these evenings are free to the first year math student. Because the fifth floor faculty lounge can hold only 220 people and there are 840 first year math students an individual may only attend one of the two nights. Tickets will have to be picked up at the Math Society office on the third floor M&C 3038. An announcement in class and signs will tell when the tickets become available for these evenings.

The treasure hunt will allow the frosh to become familiar with the Math buildings and campus. There are prizes for the first number of students who arrive at the correct result of the treasure hunt. It is meant to be fun and we hope that is what you have with it. There will be much more information on it when you arrive on campus.

The frosh-meet-faculty night allows both frosh and faculty to meet and talk with each other in an infromal atmosphere. There will be representatives of all departments in the Math faculty and all freshmen are welcomed to come and meet all of them. Refreshments will be served.

This roughly outlines the highlights of the Math program. I personally will not be on campus in the fall so I hope you enjoy not only the math program but the campus orientation as a whole and I wish you all the best of luck during your first year of university.

                    Tim Skinner
                    Chairman, Math Orientation

TO HELL WITH INTEGRATION, MY SON AIN'T RIDING NO BUS TO SCHOOL EVERY DAY!
Tonto

# at pubs

This is a special notice to all FROSH who are interested in PUBS, socializing, PUBS, dancing, PUBS, advertisement, PUBS, entertainment, PUBS, and of course pubs.

Social events at the University of Waterloo are sponsored and managed by the various societies *on campus, (i.e. MATHSOC, Engsoc (engineering society not english), Arts Soc, Sci Soc,and ESS). Some of the activities are sponsored and run solely by the University Board of Entertainment. Events, such as can be seen on the Calender page of the mathNEWS, provide a two-fold purpose, for the larger number of people they are purely sources of entertainment, but they also prove interesting for the people who work them. These people are university students like you yourselves will soon be and it will be very easy for you to get involved just by coming to the MATHSOC office, (M&C 3038), and saying "I'm interested".

Last winter MATHSOC earned a reputation on campus for running some of its best activities and we intend to make this a Waterloo tradition with your help and/or patronage. Advantages to Mathies at all MATHSOC functions and polynomials are: cheaper admission, a chance to meet other mathies at any GATHERING OF THE PINK, and to show the plumbers (engineers), what good times really are. People working at MATHSOC events get in free and usually don't have to work long because there are lots of people to help. This leaves more time for everyone to enjoy the activities.

Don't let the pace of Orientation scare you, (it usually slows down after about eight months). Carl Chaimovitz will be MATHSOC Social Director in September. Last year when he and I were room-mates and FROSH together, we had a great year because we got involved.

                    David McMaster

SEE YOU AT GATHERINGS OF THE PINK.....

David McMaster, MATHSOC Social Director

***********************************************
***********************************************
***  DEAR(?)MAGGIE  ***
***********************************************
***********************************************

How can I get a hold of the virgin frosh coming on campus?
        Plummer

Dear Plummer,
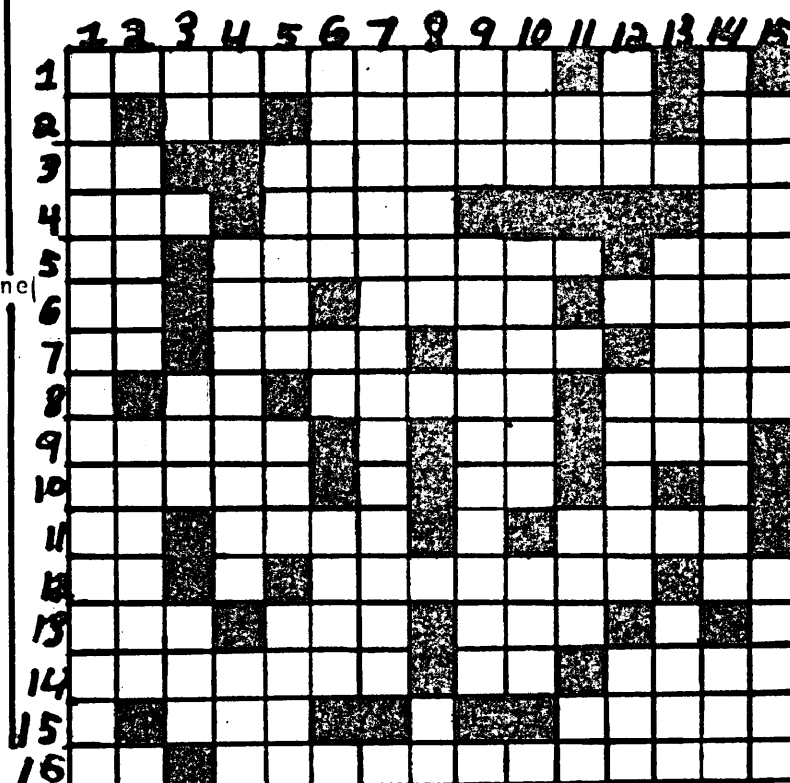    I hate to burst your bubble, but ....

## ACROSS

| | | |
|---|---|---|
| 1 | 1 | Student Village |
| 2 | 3 | rhymes with 1 4 DOWN |
| 2 | 6 | U of W federation paper (backwards) |
| 2 | 14 | international women |
| 3 | 1 | integrated studies |
| 3 | 5 | Minota Hagey |
| 4 | 1 | Pink Panther's family |
| 4 | 5 | permutation of German beer |
| 4 | 14 | left ring |
| 5 | 1 | peu minus p |
| 5 | 4 | Honeywell 6050 |
| 5 | 13 | to be equal with |
| 6 | 1 | snow nymph |
| 6 | 4 | a part of tic toc minus t |
| 6 | 7 | playgirl shows a lot of it |
| 6 | 12 | intimate name of Sigmund Freud |
| 7 | 1 | Rational Arithmetic |
| 7 | 4 | found on the ground in the fall |
| 7 | 9 | to tear |
| 7 | 13 | July 22 to Aug 21 |
| 8 | 3 | belonging to I |
| 8 | 6 | Village Community Disease |
| 8 | 12 | simple linear transformation of rhinos |
| 9 | 1 | justice is a _____ |
| 9 | 9 | Civil Engineering |
| 9 | 12 | singular of burnt offerings to the Machine( |
| 10 | 1 | sum |
| 10 | 9 | an animal |
| 11 | 1 | an article |
| 11 | 4 | one of our colors (fr.) |
| 11 | 11 | Humanities |
| 12 | 1 | replace n in under by d and minus der |
| 12 | 6 | place where the Machine is found |
| 12 | 14 | a male's name |
| 13 | 1 | creator of WITS II |
| 13 | 5 | adjacent over the hypotenuse |
| 13 | 9 | engineering lecture hall |
| 14 | 1 | first female liberationists |
| 14 | 9 | and (lat.) |
| 14 | 12 | 800 dollars |
| 15 | 3 | ∅ |
| 15 | 11 | winter recreation on Lake Columbia |
| 16 | 1 | 2 |
| 16 | 4 | Physical Resources Building |

## DOWN

| | | |
|---|---|---|
| 1 | 1 | Campus Center Cafeteria |
| 3 | 2 | men and women have one in their changing rooms |
| 9 | 2 | 25 cents, Campus Center Bubblegum |
| 1 | 3 | he, she, ___ |
| 8 | 3 | intimate name of our president |
| 13 | 3 | ♂ |
| 1 | 4 | ♏ |
| 5 | 4 | Church Colleges |
| 14 | 4 | Zn minus n |
| 3 | 5 | sound familiar only to you |
| 9 | 5 | O L D+1 |
| 13 | 5 | a soft drink |
| 1 | 6 | definitely not sheets in the village |
| 7 | 6 | D.C. |
| 11 | 6 | fe |
| 1 | 7 | Math and Computer Building |
| 1 | 8 | ARGRYK |
| 15 | 8 | operations research |
| 1 | 9 | right vertical inverse |
| 5 | 9 | an easy course |
| 1 | 10 | ♂'s |
| 5 | 10 | for both sexes |
| 12 | 10 | in |
| 2 | 11 | heaven's virgin |
| 11 | 11 | all the people in MC2066 |
| 15 | 11 | ∅ 3 1 ACROSS |
| 1 | 12 | science |
| 8 | 12 | single athenians love all males |
| 14 | 12 | linear kenning statement |
| 5 | 13 | Health Services distributes these |
| 13 | 13 | type of drinking race |
| 1 | 14 | Lakeshore Village |
| 14 | 14 | 8 |
| 2 | 15 | U of W players (male) |
| 12 | 15 | a place where we 14 14 DOWN |

# ‡RIDWORD



### Gridword Comment

## INTRODUCTION

Dr. Natic (most of us fondly call him by his first name Lintzmyplopemxti) is well known by his students and is liked by everyone. He will be easily recognized by you frosh, since most of the time he wears a bright purple tie with his fire-engine red T-shirt. His outfit is complemented by blue and green Bermuda shorts, and a pair of beat-up sneakers.

# Prof. of the Week

Prof of The Week :  <u>Dr. L.U. Natic</u>

## INTERVIEW

This week's prof has some interesting views about our campus and the students here. So, mathNEWS went to his home for an interview:

mN.  :Good evening, Lintzmyplopemxti. We are fine.

Dr.N :Hello, mathNEWS. I am well too. What can I do for you?

mN.  :Well, we are writing a special edition for the freshmen, and you have been chosen Prof of the Week!

Dr.N  :Oh! my goodness gracious! Really!? You woudn't fool an old letcher - I mean lecturer - would you? Are you going to take my picture? Should I dress up?...Oh Drat! my T-shirt's in the wash.

mN.  :That's quite alright. This is just an interview.

Dr.N :Well then, I guess I'd better go Listerine my mouth...
             (10 minutes later)
....Well then, won't you sit down?

mN.  :We understand that you have some fairly radical opinions about students on campus, as compared to the other profs. Would you care to discuss this?

Dr.N :Did you know that elephants can't fly?

mN.  :No, we didn't and thanks for the fact. But about the students...

Dr.N :Or that ice cream has no cones!!?

mN.  :Very relevant, indeed. I'm sure that should create a stir with the Federation of Students. Our next question involves your extracurricular activities. With all the facilities provided at Uniwat, you must partake in some of them. Which is your favourite?

Dr.N :Sitting with a 24-pack, watching the all-night horror flicks.

mN.  :You like Dracula and the ghouls?

Dr.N  :Oh, no! I'm talking about the Doris Day and Rock Hudson shows - they're a real scream!

mN.  :Very true. Next question. We have heard that you will be in charge of the largest freshman courses this year.

Dr.N :Yes, that is correct. There are three of them: Remedial Mathematics for Beginners; Remedial Arithmetic for Advanced Study; and Remedial English for Everybody.

mN.  :Those sound like fairly tough courses.

Dr.N :Yes, they have our highest failure rate, but we're trying harder every year.

mN.  :Well, thank you very much for an informative interview, Lintmyplopemxti, and good luck in the fall.

## WORDS OF WISDOM

If in need of a job there are several positions on campus available to obtain extra money.
Jobs are available with:
Physical Resources, grounds maintenance.
Mathsoc, selling coffee and donuts.
Libraries, part time librarians.
EngSoc, selling coffee and donuts.
Federation, selling ice cream
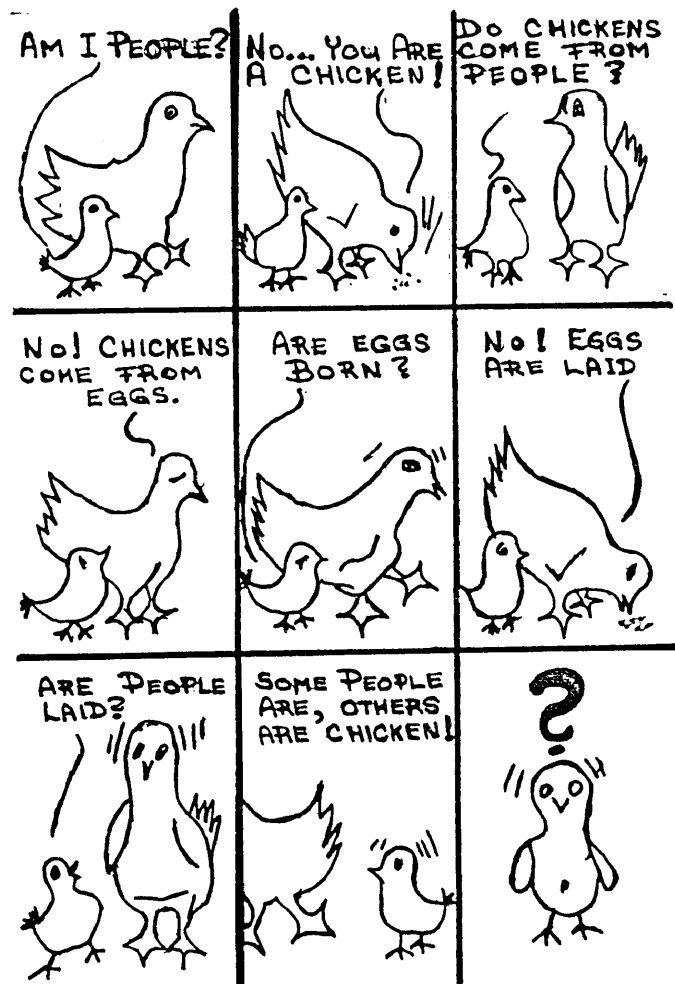             ushering for convocation.
             selling coffee and donuts.
             acting as turnkeys.
             running fed flicks.
For other odd jobs check the Circle K office door right next to Mathsoc office MC3038.



**9**

from "Summer '73"

Supposedly, a few words of welcome and sage advice are in order. Well, here goes very little of either. I have a few special items of great importance. First, contrary to public opinion, there is a third floor to the Math Building. Several important things happen there. The Math Society is alive and well. Our office is 3038; our extension is 2324. We sell T-shirts, give advice, and provide a place to come and talk. We have a whole bundle of activities going on. First of all, we have the council itself. With 870 of you guys out there, we need about six or seven council reps. Anybody who is interested in grassroots student participation should drop around to the office, and ask for a nomination form. We'll do the rest. Mathletics is a going concern, if you wish to play basketball, football, softball, hardball, waterpolo, co-ed inner tube water polo, volleyball, slow-pitch, soccer, hockey and lettuce ball. We sell things to eat at our donut stand. We have coffee, (of sorts), donuts (with and without holes), and sandwiches. If you want to work at this stand come to our office and you might get a job.

Shades of high school, we have a few (400) book lockers. If you come to the office early enough, you might get one of those too.

We also have n! positions on various boards and committees which require people to fill them. We can put you to good use. Social events are our forte. Pubs are the mainstay but we do have some other activities. These items will be covered elsewhere in this paper. Speaking of papers, we try to publish one. It is neither as gross as Enginews nor as radical as the Chevron but we have a good time. Any budding journalist should give us a try. There are a whole bunch of other things that we do or take part in but I am running out of time, energy and space.

A few words about other activities; Math Start and Math Room are ideas of the Dean's. They are there to help you. If you have any problems, go there and ask for Janie. Well, not much else to say. Liz is bothering me and Herbie wants to go home. So once again, welcome to the wonderful world of the Faculty of Mathematics at the University of Waterloo (Herbie was just sick).

Bye now!

John Dark
Summer President

mathNEWS - financed by but independent of MathSoc

If this were a normal issue we would be here at 4:30 a.m. typing cutting comments about everyone we could think of but instead it is only 11:00 p.m. Never-the-less we started at 12:00 noon instead of our regular 7:00 p.m. Now we gaze upon our work and .... Thank you

## FELLOW STUDENTS:

As president of the Federation of Students, I would like to take this opportunity to welcome you to the University of Waterloo.

The coming years will no doubt be a challenge. The amount of growth that you will experience will depend on the degree you are going to be involved in the life of the university.

The university environment can be one of enlightenment or stagnation. I urge you to examine with a critical view your surroundings. Appreciate what is good at the university, and try to change its flaws.

The Federation of Students is charged with the task of protecting the interests of all the students at the University of Waterloo. You can be as active or as passive in the Federation of Students as you want to be.

The sole criterion for a functioning Federation of students is student involvement. The Federation of students needs the involvement of first year students, as well as advanced students. If you want to be involved, or if you want to discover the various areas of activity of the Federation of Students, feel free to come in and browse around. Remember the Federation of students is you!

Orientation, beginning on September 6th, will give you the opportunity to tune into your new environment. Be inquisitive and involved.

If you have the opportunity, please drop by and see me. The Federation of Students' office is located in the Campus Centre, Room 235.

Fraternally Yours,
Andrew P. Telegdi,
President,
Federation of Students.

MathSoc for the refreshments it was certainly a break from that horrible coffee which you usually provided (no offense intended Rodger). We would like to say ... Thank God it's over for now. The regulars: Marsha Tatebe, Randall McDougall, Bruce Morrison, and Phil Lanouette. The rookies: Carl Chaimovitz, Marg Telegdi, and David McMaster. 71.4% of us were/are frosh. We would like to thank the many people who helped us in some manner to produce this special issue. Thanks to: Dean Forbes, John Peebles, P.C. Brillinger, Cindy Harris, John Dark, Andy Telegdi, Dennis Ablett, Tim Skinner, John Higgins, Rodger Dougall, the Phantom, One important thing we will say: this paper has given us is knowledge of text editing systems.

Finally we wish the frosh the best of luck and these words of advice: Don't buy your texts until you have been to at least a week of classes. Ask anyone you meet on campus especially the MathSoc executive for help.

That's all for now see you in September or January (which ever one comes first). Good night!