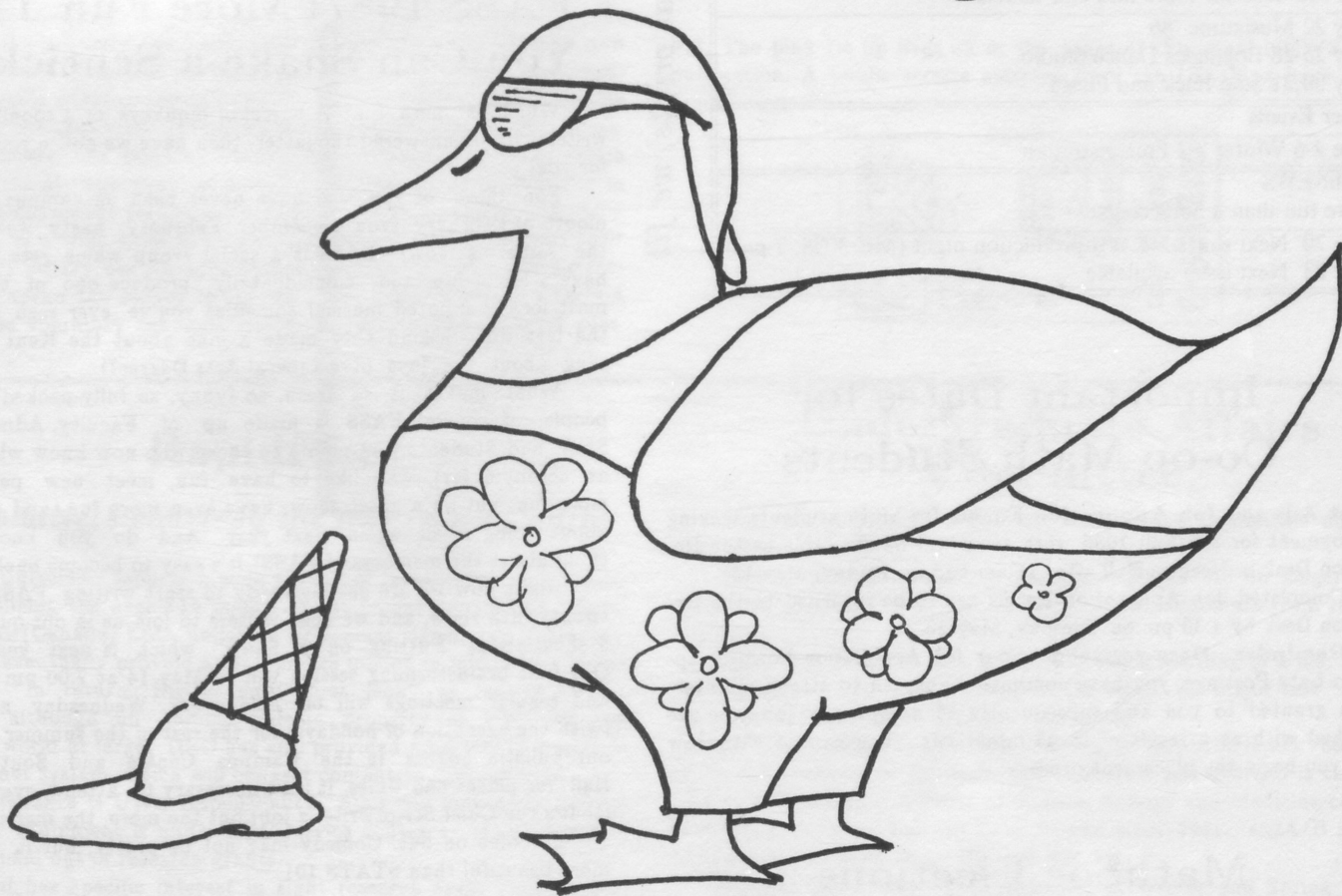
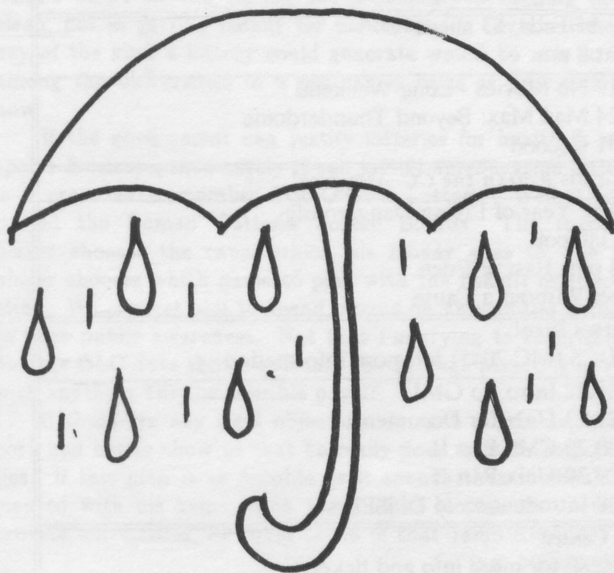


Volume 41 Number 1
May 16, 1986

math NEWS

SPRING in WATERloo



LookAhead

Math Events
May 16 MathSoc Election Nomination Deadline
May 20 Drop/Add Deadline
May 25,26 MathSoc Election Voting - 3rd Floor
June 2 Drop Deadline
Co-Ops Only
May 16 Want Ads Available
May 21 Job Applications Due
Fed Flix \$1 Feds, \$3 aliens Phy 145 at 8 pm
May 16,17 No Movies - Long Weekend
May 23,24 Mad Max: Beyond Thunderdome
May 30,31 Cocoon
Cinema Gratis 9:30 in the CC—it's free!
May 21 The Year of Living Dangerously
May 28 Gallipoli
June 4 (8 pm) East of Eden Rebel Without a Cause
DCS Courses Free! Contact DCS (MC 2045) for more information
May 20,21,22 Intro. to GML
May 20,21,22 Unix for Documents
May 26,28,29 CMS Part II
May 27,29,30 Unix Part II
May 26,28 Introduction to DISSPLA
UW Arts Centre Call 885 4280 for more info and tickets
May 22 Musictime '86
May 25-28 Bojangles Dance Studio
May 30,31 Step Back and Fiesta
Other Events
June 4-6 Winter '87 Preregistration
mathNEWS More fun than a Stats course!
May 20 Next mathNEWS production night (MC 3038, 7 pm)
May 23 Next issue available

Important Dates for Co-op Math Students

Want Ads and Job Application Forms for Math students seeking employment for the Fall 1986 work term will be available at the Reception Desk in Needles Hall after 11 am **today**, Friday, May 16.

Completed Job Application Forms are to be returned to the Reception Desk by 4:30 pm on Tuesday, May 20.

Reminder : Once you submit your Job Application Form or apply to Late Postings, you have committed yourself to attend all interviews granted to you and subsequently to accept any job you are matched with as a result of those interviews. You cannot withdraw once you begin the placement process.

MathSoc Elections

Nominations close today, May 16. Three positions are open for class representatives in first year, one in second year, and two each for third and fourth year. Get a nomination form from MathSoc, get ten (10) signatures fast, and you can become part of the high-strung world of student society implementation.

Prez Sez

It's summertime again and I find myself taking on new responsibilities. Sometimes I have to ask myself why I am giving up a summer of fun and sunshine and taking on the role of MathSoc President, a position which is not highly acclaimed by a majority of students (Math and otherwise).

I have visions of going home every night and seeing three seemingly deranged roommates jump out from under a pile of dirty clothing, dishes, newspapers, and any other collectible materials, singing songs about "Geek" Murdoch which they have so innovatively created during the afternoon. What do Engineers know anyway?

This term will be unlike those of recent years. The MathSoc Executive has three new faces. Myself (4A) and Bryon Isaacs (4A), our VP, are both new to MathSoc and hope that you will support us in our attempt to improve the student environment in the Math Faculty. Our Treasurer, Rose Nyenhuis (1B) is also a new face and will probably be around for a few years.

Things to look forward to:

There are plans on the table for the renovation of the C+D lounge. You have seen the old seats reupholstered. Well, next comes new tables, chairs and also some booths. Unfortunately, this may not happen until August, and so you won't see it until next winter.

Last week's Blushing Brides Pub was a tremendous success except for the volume. We were 22 tickets short of a sellout. Look forward to more events throughout the summer.

Again, we look forward to the summer and hope you enjoy it as well. Bye for now.

Steve Murdoch, a.k.a. 'the Geek'

FASS 1987: More Fun Than You Can Shake a Schtick At

Which is more fun: A barrel of monkeys, or a roomful of FASS writers? If you answered the latter, then have we got a roomful of fun for you!

For those of you who have never been on campus during the month of February (you remember February: nasty weather, much the same as now), FASS is a social group which gets together to have a lot of fun and, coincidentally, produce one of the freshest, most locally-oriented musical comedies you've ever seen. (When was the last time Second City made a joke about the Kent Hotel? Or sang about the joys of a Liberal Arts Degree?)

What makes it so fresh, so funny, so fully-packed? Why, the people, of course! FASS is made up of Faculty, Administration, Staff and Students (ten points to those who now know what FASS is an acronym for), who like to have fun, meet new people, have more fun, put on a great show, have even more fun, and then dream about doing it all again next year. And do you know the best thing about the members of FASS? It's easy to become one!

Right now we are getting ready to start writing FASS 1987, our twenty-fifth show, and we need writers to join us in our quest: writing a show about "Putting on a Show" which is next year's theme. Our first brainstorming session will be May 14 at 7:00 pm in CC 135, and regular meetings will be held every Wednesday and Sunday (with the exception of holidays) for the rest of the summer. Check out our bulletin boards in the Campus Centre and South Campus Hall for places and times. It isn't necessary to attend every meeting (that's the Chief Scriptwriter's job) but the more, the merrier.

So come on out. Comedy may not be pretty, but it certainly is more beautiful than STATS 101.

Paul McKone
Chief Scriptwriter, FASS '87

Well? What'd'ya think? Do I get the job?

Oh.

Well, did you at least like the spelling?

All the news that prints, we fit

Gambling with Underfunding

A funny thing happened to me on the way to the Underfunding March a couple of weeks ago. I realized that raising public consciousness wasn't going to butter the bread of our education because no matter how aware the public was, there wouldn't be more tax dollars for the government to give away. What is needed from the university community is ideas on how to get funding outside of the tax bucket. It's no good for U of W to come up with a funding method for itself since all of the other Ontario universities will want a piece of any pie we can find. So we need a method for generating large amounts of money. An ideal candidate for such an endeavour is the creation of a lottery specifically for University operating budgets.

It's interesting how lotteries have become a part of Canadian society in such a short time. The government only made this type of gambling legal in 1975 in order to help finance the Montreal Olympics. Since then, the provincial governments have been controlling the lotteries though they pay the Feds a fee for that privilege. Now, we seem to have a new type of lottery announced every six months.

The Ontario Lottery Corporation is a Crown corporation which manages the lottery system in this province. The profits from their activities are immense, in the order of \$863,000,000 as of March 31, 1983. Yes, that is Net profits. The costs of the system are quite reasonable considering an enviable 30% profit figure. Commissions for distributors and retailers, advertising, and administration account for 15% with the prizes only using up 55% of the total sales dollar income.

And where does all this money go? The nice thing about this income is that it doesn't have to be accounted for in any budget. The Lottery income short circuits the transfer payment system from the feds and the province can spend this money where it wants and how much it wants. This has provoked the criticism that lotteries in general are really a voluntary tax and that in general, the lower income people are the ones who "invest" in this action, making the tax regressive. However, the Ontario Lottery Corp has done surveys which show a general "approval" of lotteries; as high as 82% in favour in 1975 with consistent results since then. The OLC surveys also claim that there is a wide cross-section of the populace which samples their fare. Each lottery has its appropriate category in which the government can spend the money in the way it sees fit. Thus, to a certain extent, the voluntary taxpayer can direct where his tax dollar goes.

For instance, Lottario and Wintario's profits go to sports, cultural and leisure activities. The Provincial, Super Loto and Loto 6/49 donate their proceeds to health and social service projects.

A University lottery. Obviously implementation details would have to be worked out, but money of this calibre should really be directed to hitherto ignored operating budgets and not for special projects. That's where we are having the problems: in keeping the buildings clean, not in getting money for Institutes for Certain Research. Money of the kind a lottery could generate would be able to be split up among the universities in a per capita basis as provincial funding is now.

If the government can justify lotteries for health & welfare and sports & leisure, then surely it can justify an education lottery. There is a precedent—remember Pot O'Gold Lottery? Well, that one supported the Roman Catholic School Boards. The taxpayer-lottery player chooses the cause which his money goes to, the fun-lottery player chooses which game to play with the benefit of effective marketing. We can get him to spend money on universities without having to raise public awareness. Not that I'm trying to scam the taxpayer, but the OLC data shows also that the average person is not concerned with anything but the possible payoff.

If there are any legal objections to such a scheme, then Mr Sorbora had better show us that he really does want to help the universities. If this plan is as feasible as it sounds then it should be implemented with his help. With the kind of income that lotteries could provide universities, we could be rid of that damn computer fee.

R.S. Nobel, 4B Math CS

P.S. The pink tie (8) lives on in the pages of this mathNEWS type publication. A public service message from the Canadian Save the 8 Foundation.



RapidFire

News bitlets courtesy the UW News Centre

The University reports a wide variety of research is being undertaken, utilizing the over \$15 million of equipment donated by Digital Equipment (Canada) Ltd., under an agreement signed two years ago. DEC will eventually provide a total of \$25 million in micros and larger machines. In return, Digital gets "first look" at results of the research, although all findings remain property of UW and the academic world at large. DEC has also provided \$300,000 to complete the Ethernet system, which will connect computers campus-wide.

Maintenance is UW's responsibility. Staff will look after micros, and larger equipment is under DEC service contract. Maintenance is generally paid out of research grants.

Digital has specific interest in eight research areas: Computer-aided instruction, graphics, networking, Office Automation, VLSI, CAD/CAM (Computer Aided Design/Manufacturing), Artificial Intelligence, and videotext. Proposals have been submitted in all eight areas.

Al "Go" Rithm

Undergraduate Affairs Committee

The following items were dealt with at the Committee meeting April 30th:

Degree Designations for Regular students will no longer have the word "Regular" included, in response to complaints from regular students.

Midterm Regulations now forbid the scheduling of a major test during the last five teaching days of the term. A "major test" is one which counts for over 25% of the final grade.

MTH 302A/B and 402A/B will no longer be listed. 302A/B is the Introduction to Biomathematics course, and 402A/B is the Topics in Mathematical Aspects of Science, Biology and Medicine course. The 302A/B course has not been offered since 1981. 402A/B is still available as GERONtology 400 and 402.

MATH 130A may be discontinued in Winter and Spring. The professors are concerned with the small class sizes and poor overall performance in these terms. (They wonder if they passed too many students!) The best alternative proposed was to combine non-Fall 130A with 113A (the non-Math version) and require a 60% grade as equivalent to a pass in 130a.

Al "Go" Rithm

How I Spent My Not Quite Summer Holidays

Frank Lloyd was Wright: April is the cruellest month, breeding tie-tacks out of the dead land, mixing memory and desire ("Ere, 'eavy on the desire, mate, but light on that memory stuff.") just as I stirred sugar and lemon into those interminable cups of tea drunk during final exams. Nevertheless, as a scintillatingly sunless Sunday dawned about me, I struggled through the aftermath of my last exam and began to clean up my life, starting with the fossilized teacups and proceeding to the three or four inches of navel-lint and toenail clippings layered in my humble abode.

I was stalling, and I knew it. With iron self-determination I resolutely set out to plan my holiday, that ephemeral, ill-defined blob of time that had to be spent whether I liked it or not. Not only did it have to be spent, it had to be spent somewhere, and in this respect it resembled a gift certificate from some small chain store: valid only at participating dealers, offer void where prohibited by law. My luck, as it happened was down and my options were few: stay in Waterloo and watch the grass grow, or go home and watch the senior citizens age. A bear for punishment (and still admittedly a fan of Ma's cooking) I armed myself for the journey home: a few paperbacks, some advanced calculus and differential geometry for what M.A. McKiernan (my boss) terms 'light reading', my decimated collection of winter clothing, and a natty little address book full of people I don't really know anymore.

And so, momentarily immersed in an ill-smelling copy of *The Happy Hooker*, my tranquil afternoon of packing was interrupted by the cheery chirrup of the telephone. It was June, calling from those halcyon days of summer just two months away. (Here names have been changed to thwart the curious and protect the innocent. (But who am I to judge who is guilty or innocent? I always like that motto, dear to the American defense establishment: "God'll sort 'em out later.")) A fugato conversation ensued about Tarkovsky, toenails and Toronto. A visit was proposed, and I, weary wanderer of that trackless wasteland of jean jackets and Don Martin tobacco t-shirts that is Norfolk County, hesitated for perhaps two seconds before agreeing. With the air of one who has a song in his heart but can't remember the words, my body hummed as I finished my frenzied preparations.

After settling a fifteen-cent debt with my roommate, I trundled down the step, pretending I was heading out into a New Life, loaded up the Wreck and drove home. Fortunately, this time I didn't rear-end the wife of a thirty-five-year-old illiterate farmhand whilst watching some callipygian nymph by the fruitstand. However, at a one-mile radius from home my allergy started kicking in. You see, I'm allergic to my mother. We've gradually eliminated everything else: the dog, my brother, watercress, the whole bit. The only way to ensure my survival was to keep a box of kleenex at my side, and keep telling myself 'it's only a couple of days, only a couple of days...'

Tom Ivey

Next time: Lust in London, Horror in Hogtown (or was it the other way around?)

Upstage Productions - A Show for the 80's

Attention all singers, dancers, actors and technicians! Upstage Productions is presenting a hot comedy revue this coming June. We need you. We also welcome contributions of material to the show. If you're the person we're looking for, come to the Theatre of the Arts (Modern Languages building) on May 20, 21 or 22 (that's next Tuesday, Wed. or Thurs) at 7:30. Hope to see you there!

Applied Math Club At Large !

With help from the department, the Applied Math Club has taken on a large number of services. Some of these are listed below:

Social Events

- The Annual Applied Math BBQ
- Wine 'n cheese Party
- Coffee 'n Tea Party

Services

- Post-graduate studies information
- Course Notes on many AM courses
- Career information
- Department-Student liason

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Informative Seminars

Previous seminars included :

- Dr. Lipshitz (U. of Waterloo) - Inside the Compact Disc
- Dr. Carter (Observatoire de Paris) - Black Holes
- Dr. Yuan (Toronto) - The Mathematics of Robotics
- Dr. Borrelli (Harvey Mudd College, CA) - The Mathematics Clinic
- Dr. Strang (M.I.T.) - Optimization in Applied Math

... Not to mention the important *Information Meeting*, where questions on careers, post-graduate studies, and research grants are discussed informally between students and faculty.

A number of seminars have already been organized for this term including a talk on "Magnetic Resonance Imaging", "Solving problems in Industry", a presentation from STELCO, and so on.

Also keep in mind the following events occurring in the next few weeks:

- The A.M. BBQ - Wednesday, May 28. 3:00 - ??
- The Information Meeting - Monday, June 2. 3:30 - 4:30

If you wish to join the Applied Math Club, offer your services, or just to find out what the club has organized so far this term, pop by the Applied Math Club office (MC 5168) any time and hopefully someone will be there to help you.



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Dear Readers,

I miss you. Please write me. Just a note, anything. Leave it in the Black Box on the 3rd floor of MC. Sign UltraClassified. I'll understand.

P., I love you! (MLE)

Here's a saying conjured up during exams:

There are three major types of stress in engineering: normal stress, shear stress, and stress in engineers.

WAT are those Gandalf/Sytek Numbers?

Frequently, CS professors assume that everyone knows how to access the various machines on campus. That just isn't the case. Many computers are not available in an obvious way, like having a room full of terminals directly connected. However, almost every computer you need to access at this University is available by way of two data networks; Sytek and Gandalf. Terminals all over campus are connected to these two networks, and allow you the freedom to access any computer on these nets from any terminal connected to the net.

A word before I go on; the information I am presenting is available in other places. Consultants abound--MC2020 is the DCS consulting office (CMS, VMS), and MC3017 is the MFCF consulting office (UNIX, HoneyBun stuff). The Computer Science Club is usually a good place to get questions answered, too, and they're available whenever CSC members are in the office (MC3037). On CMS, the Gandalf line numbers with terminal BAUD rates can be found by typing the command "HELP GENERAL GANDALF." To find out Sytek line numbers, call line 411 ("CALL 411") and type "HELP" at the first available prompt for an explanation of how it works.

How to use a Gandalf Box

Gandalf boxes are those blue boxes with numbered thumb-wheels on the front. The first thing to do is to turn off this box by pushing the toggle switch down. Set the thumb wheels to the number of the computer you want to talk to, and make sure your terminal's BAUD rate is set properly. (This can be complicated and is usually different for every terminal, so I won't describe it, but if you get stuck ask someone.) Flick the toggle switch up. The light labeled "READY" should come on. If it comes on, but then goes off and the "DISC" light comes on, there isn't a computer at the other end to answer you. Either you've got the wrong Gandalf number, or there are no more lines available to that computer. Flick the Gandalf box off, make sure that the number you set on the Gandalf box is right, wait a couple of seconds (15 is the right number) and turn it on again. If it happens again, try again in a couple of minutes. After you're done your session, you should flick off your Gandalf box.

Getting at a machine through Sytek

Terminals connected to Sytek are usually sitting by themselves without a Gandalf box. There are two terminal rooms on the 3rd floor of the Math Building just full of 'em. If you press "RETURN" a few times, and you get the "#" prompt, you've got a terminal connected to Sytek. To get at the computer you want, type "CALL nnnn", where nnnn is the number of the computer (according to Sytek). Sytek will reply "CALL COMPLETED TO blah,blah" and your computer should answer you if you hit "RETURN" a few times. Sytek, like Gandalf, doesn't have an infinite number of lines into any particular computer so you may get an "all lines currently busy" message. If you typed the wrong number, you may get the "I don't know who you want to talk to" message. Recovery is easy; type "CALL nnnn" again. As with Gandalf, you may have to try a couple of times (or a lot of times) during busy periods.

The numbers...

GANDALF		
Line	Baud Rate	What
3	2400	Community Access Module (this lets you look at card catalogues via computer)
13	4800	WATENG
15	1200	DATAPAC
20	4800	SYTEK
30	300	DATAPAC
50	300-2400	CMS (VM/SP)
57	automatic	WATARTS
60	automatic	WATMATH
61	automatic	WATROSE
62	automatic	WATER
63	automatic	WATCGL
64	automatic	WATDAISY
65	automatic	WATMUM
66	automatic	WATBUN ("The Bun")

Sytek	
LINE	WHAT
15	Gandalf Datapac
50	CMS (VM/SP)
80	CMS (VM/SP) via Yale 3270 simulator
130	WATENG
411	Sytek Directory Information
570	WATARTS
600	ARTS VMS
1200	Gandalf (at 1200 BAUD)
2400	Gandalf (at 2400 BAUD)
4800	Gandalf (at 4800 BAUD)
6000	WATMATH
6100	WATROSE
6200	WATER
6300	WATCGL
6400	WATDAISY
6500	WATMUM
6600	WATBUN (this is it, folks)
6700	WATLION
6800	WATNOT
6900	WATDRAGON
7000	WATMTA
7100	WATDCSU
7300	WATPIX

I don't claim to have mentioned every available service, but I hope that this information helps you to happier, (well, at least less frustrating) computing.

MLE
(Emily)

The Day of The Living Masthead ... Welcome to Spring 86. I know you're really gonna enjoy it. Hey, let's pay attention in class, the ever-popular *Prof Quotes* feature needs your input. Credits: This issue features an almost totally neophyte staff, so plaudits all around. Thanks to our crew of scribblers: fwletniowski (TurboGrid), Taivey (NotSummer), the Geek (Prezz Sezz), R.S. Nobel (Gambling), Al "Go" (News), Paul McKone (Fass), Bruce Sutherland (AMClub), Indiana Fermat (Keeping), Calum (Schmecks), the Profs, MLE (GanSy) and BP (M&M). And our faithful production marathon staff: the well-preserved Thomas Ivey (system magic, sage advice, bad puns), Brad Sokol (LookAhead, typing, layout), Spiff

MastHead

(trimming, laughing), MED (typing, encouraging Spiff), Ken Dubuc (layout, pasteup), Barb Palmer (Art Crew, articling), Ken Shirriff (arrival during TROFF crisis), Steve Furr (ditto), Frank Letniowski (Logo, Art Crew, trimming), Ron Pfeife (gandalf iteration, typing). Thanks to Little Ceasar's for two good pizzas and a nifty toboggan. Eternal Gratitude to Graphics Services for their media miracles, the I/O room staff for patience, and to DCS. Hello to dan who made a cameo appearance. Special thanks to *you*, the squinting readership. Your participation is always welcome ... Next article deadline is whenever-I-get-back-on-Monday May 19 (ie. Tuesday Morning). See you next week (a one-time only threat, I assure you ...). Stuart L.

THOUGHT-full

ALL roads lead
to

THEIR ENDS!
(UNLESS THEY'RE
CIRCULAR)



An apple a day
.....

KEEPS THE
ORCHARD OWNERS
HAPPY



Musings

Ah, the glories of Spring. Ice cream, green growing plants outside of the refrigerator, and ducks in Bermuda shorts. Who can help but be invigorated by the sense of new life in the air?

Well, let's not go overboard. It is good to be back. There are certain joys to summer studenthood ... being able to go out and lie on the grass at some time between 9:00 am and 5:00 pm. Knowing that you can choose not to work at a particular time of day. Once we graduate, summer will be two or three weeks long. It's not such a raw deal here, after all.

There are many opportunities for getting involved on campus in the summer. Representative positions are available on MathSoc and with the Feds, and with various clubs about campus. **mathNEWS** is another good place to get involved, as a writer, typist, artist or production specialist. There are always one-time events in progress, as well. For those who are workaholics, or like to get out and contribute, summer term holds the most opportunities.

Summer term is always a crisis of values. Balancing the academic, extracurricular and social demands is not easy. There are times when any homework at all seems to be an unjust punishment cast down by a cruel, unfeeling universe on innocent students. Yet we are here to learn, and they just don't spoon feed us any more.

The trick, I think, is to prioritise everything in terms of both short and long term goals. Those goals must be personal development goals, not just the physical or financial goals we so easily can become focussed on. It takes equal maturity to skip question 3 to go out with your friends, and to pass up a movie to complete some 'optional' but much needed assignment questions. Learn to do that, especially when it is so inviting outside, and you will have accomplished something significant.

It can be tough to survive here if you think that you can do it all. Most of us can't. However, if you surrender on that basis you will have lost even more surely. If there's one special skill that a summer term at Waterloo develops, it's the ability to tell what matters *to you*, and what does not. For everyone these things are different. If you're satisfied that you did what you could do, with the abilities and resources you had, then no one has the right to expect anything more.

Well, that's a weighty start to things. I think I'll go fill a garbage bucket with water, and get someone *really* wet ...

Stuart L. Hodgins, Editor (Eek!)

Code That Really Schmecks

Greetings. In this column I hope to present cute little programs which do something in a novel way. For starters, what does the following C program do?

```
main()
{
    char    buf[256];

    if (gets(buf)) {
        main();
        puts(buf);
    }
}
```

Don't miss the first Computer Science Club meeting of the term, Wednesday, May 21, topic to be announced (but hopefully another *Return of the Son of the CSC SIGGRAPH Video Review*).

Calum

Math Faculty Spring/86 Deadline Dates

Tues., May 20/86

- Adding/changing courses.
- Dropping courses for students carrying more than a standard course load (i.e. more than 2.50 credits for Pass/General and more than 3.00 credits for Honours).

Mon., June 2/86

- Dropping courses for students not carrying more than a standard course load (i.e. more than 2.50 credits for Pass/General and more than 3.00 credits for Honours).
- Complete withdrawal without academic penalty.

Miscellany and MathSoc

Bits 'n' pieces from British Petroleum (you don't know me yet, but I'll be around a lot):

• MathSoc just acquired an office secretary, which means that the MathSoc office will be open 9am MWF, and open 'til at least 2:30pm on those days.

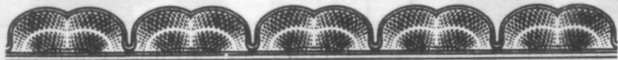
• Class of '87 - a grad committee is being set up, headed by Steve Shore. This committee will oversee the Math Grad Ball, grad photos, and yearbook, among other things. The GRAD COMMITTEE INAUGURAL MEETING will be held on Wed. May 21 at 4:30 in MC 3004. Anyone interested in helping to organize the graduate activities please attend.

• Yes, there will (hopefully) be a yearbook for the Math class of 1987. If you missed the meeting yesterday, and are interested in helping out, please leave your name and number in MathSoc. We especially need photographers and people to obtain and organize advertising.

• The FASS (Faculty, Administration, Staff and Students) Theatre Company is already writing its 25th anniversary show. Writers' meetings will hopefully be every Wed and Sun nights at 7pm in the CC.

• Upstage Productions, a company formed by FASSers who are desperate to act in the summer, will be producing a comedy show sometime in June. Auditions are next week (for everyone, not just FASS people); for more info, see the blurb somewhere else in this issue.

-BP



Summerterm Blues

It's the summer term, and all the birds and trees are green. Welcome, friends, to another sleep-defying term at good ol' UW. As is customary, allow me to warn you of a few of the local seasonal afflictions.

1) Sculpture Burn : This problem is brought on by touching strange metal fragments which have been baking in the sun all day. The best preventative medicine is to remove any dangerous sculptures...

2) Facial Crease : Caused by studying whilst lying on one's stomach in the sun. Not only is the effect unsightly, but it also crinkles that \$52.00 textbook. Prevention : Lie on your back, so the textbook will lay on your face, not vice versa.

3) Checkerskin : An ailment caused by lawn furniture, with no known cure.

4) Frisbee Thumb : Too many hours in the park or on the Village Green cause this illness. Until it heals, switch hands. Can be prevented by burning your housemate's frisbees.

5) Temporal Disorientation : This is the major ailment of UW summers. Warm, sunny days are ideal for the germination of this little bug. A virulently contagious disease, the major symptom is repeated outcries of "Oh ! Is it <date/event> already ?" This disease can result in missed midterms, late assignments, etc. This ailment cannot be prevented, but can be controlled. The scheduling of intensive but brief work sessions broken up by time-controlled recreation can be of some help (if you can do it ...).

Most of you will soon develop 75% of these afflictions, and others too numerous to mention. Remember the bone-chilling winter terms (1B frosh - look out !) and enjoy things while you can. Winter's comin' ...

Dr. Terrence Till

Keeping Out Of Touch

Recently, I read in the newspaper about a new development in phone technology that could alleviate a problem I have. Now anyone who has worked for the government and who has used the EEWD system may take a dim view of all this. They may be justified; however, this new technology has the potential of being a real breakthrough. Anyways, back to my problem. Her name is Pest. For some reason, my mother acquired her when she went to school, and she has not been able to get rid of her since. So in effect, she is my whole family's problem. I really can't say why she intimidates us, but she does and that is that. We thought we were free of her when she moved to the United States, but then she started to phone us frequently—at 8:00 in the morning on Sundays. We are at our wits' end trying to cope with her.

Enter the new technology. For a fee, you can have your phone display the phone number of the source of an incoming call. So if you don't want to hear from Pest, don't answer the phone. Now suppose Pest gets wise (which is a purely hypothetical conjecture) and starts to tie up your phone lines. In that case, you can submit her number to the local phone company and they'll enter her number on a special list which tells the switching computer, "Don't acknowledge calls from this number." This way, you will never get a phone call from Pest. Also, you can have an *inclusive* list instead of an exclusive one. This is better than having your phone number unlisted: even if strangers discover your number, they can't call you. Another nice feature is that the number you dial is displayed: this way you can see whether you have dialed the wrong number or not.

I feel, however, that some other features would have been nice. One such feature would be a programmable answering service: depending on who called and when he or she called, one would get either the normal message, an offensive message, a funny message, a busy signal, a dial tone, a "Sorry, the number you have dialed is not in service," or a 120 dB shriek. Another nice feature would be conditional call forwarding: the number the call is forwarded to would depend on who was dialing. You could have calls from your friends forwarded to another phone, calls from enemies and creditors forwarded to Hong Kong, calls from Revenue Canada forwarded to the auditor-general's office [wouldn't he have an inclusive phone list? - Typ.], and calls from telephone salesmen forwarded to each other. An on-line sound-effects track is another possible feature. If the person on the other end cracks a joke, you can transmit a Ta-Dum-Chhhh! (Drum, drum, cymbal). If it's a bad one, you could transmit a gong sound. If you feel like getting off the line, you could transmit the sound of a baby crying and say, "Got to go now, the baby's acting up." A raspberry could be particularly useful. In my opinion, these features would bring back sanity to the phone system.

Indiana Fermat

Prof Quotes

In public school, the teacher comes into the classroom, says "Good morning class" and the class responds "Good morning teacher." In high school, the teacher comes into the classroom, says "Good morning class" and no one says anything. At university, the professor says "Good morning class" and everyone writes it down.

M. van Emden, CS 340

The implementation file contains everything that is not there.

M. van Emden, CS 340

I don't understand that. Do you?

G. Berman, C&O 270

It's not what I say. It's not what I write. It's what I mean. And even then...

M. McKiernan, AM 381

TURBO

GRIDWORD

Cryptic

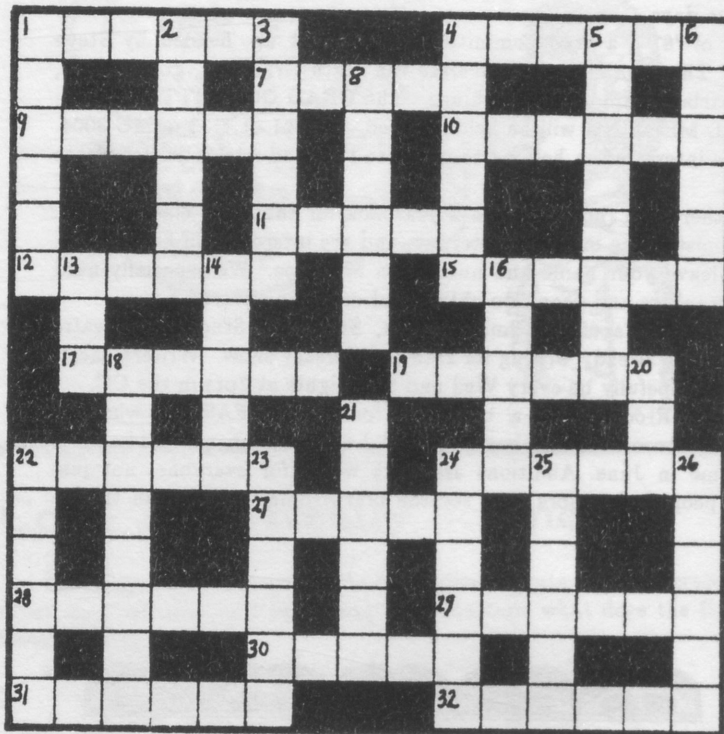
Across

1. Not as quiet dinner; a key to being great (6)
4. About the capacitance to curve? an intermission (6)
7. Leave to marry way back at the end of the earth (5)
9. Enjoy the spread? (6)
10. Externally, a small state will not gain a side room (6)
11. In the craft, ergo following (5)
12. Drapes may flare out (6)
15. Club many a stream (6)
17. A hit starting the hour at a tree (6)
19. Runs around in, that is, to safeguard (6)
22. A loud French friend heads last year's kin (6)
24. An unnatural parent can catch! (6)
27. A vegetable I split over and over again (5)
28. Love is a powerful unit back at a city (6)
29. Re-syllabled release of the socket (6)
30. Inferior mix of roles (5)
31. On foot one way, also with a guy (6)
32. A letter turned grey from work (6)

Down

1. The secret service around Pennsylvania in succession (6)
2. A way to make up an offer for the French food (6)
3. Exist at the top as Henry VIII to his wives (6)
4. Note the small firm on this road on tape (6)
5. Simply above egg preparation (4,4)
6. Position where fifty hesitate to watch a fallen Leaf (6)
8. No sailor raised or was a speaker (6)
13. A former P.M. was a dog (3)
14. Benefit from a victorious sickness (5)
16. Err again with the coating (5)
18. Laugh at an escarpment town to get a lake city (8)
20. Hesitate for a year ... or many (3)
21. Foreigners take a position at a province (6)
22. Well-known to contain half a mouse! (6)
23. Lou lay around everyone but me (3,3)
24. Two ways in the middle to play again (6)
25. Initially, there's a tiger that love's every rat (6)
26. Attempt the father's lead of the Danish (6)

Who?
 What?
 Turbo Speeds:



Conventional

Across

1. horizontally
4. pertaining to Jupiter
7. yellowish or reddish brown
9. zodiacal sign
10. squirm
11. dwarfs
12. renter
15. dispute terms
17. impromptu shelter
19. exact copies
22. fear
24. print type
27. employing
28. afro, for example
29. unwilling
30. black bird
31. Mediterranean fish
32. boulevard

Down

1. fabric
2. Isis' husband
3. social evening
4. Talmud users
5. plot
6. pointed instrument
8. skies
13. elongated fish
14. listlessness
16. pertaining
18. spirit removal
20. winter equipment
21. Sci-Fi writer
22. drug dealer
23. night sky show
24. lizard
25. current measure
26. milk product

Comments of the Turbo Gridword

Welcome to GridWord for hopefully a provocative term. This time I have decided to try something new: each GridWord will actually be two puzzles - a cryptic crossword and a conventional crossword. You will now find two sets of clues - one for the cryptic and one for the conventional crossword. Each puzzle however will have its own solution so the two clues do not describe the same word. The choice is yours of which puzzle to do.

Submit your completed GridWord along with your name via the **BLACK BOX** across from the 3rd floor lounges by **NOTE**: Tuesday May 20, 1986 to be eligible for neat prizes. Correct submitters will have their names embossed in black and immortalized on these very pages!! Also let me know what you think of the new format and/or GridWords in general. Now ENJOY!!

fwletniowski

Editor: Stuart L. Hodgins

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