

math NEWS

Volume 35 Number 1
Friday, May 11, 1984

Adamant

"We need someone," says the latest issue of the student newspaper MathNews, "to rid the school of its recent fixation with shadowed Boxes around articles." In its first manifestation early this term, it has grown to dominate the newsletter's graphic presence.

"Apart from being visually repugnant, the Shadows distributes pools of undried ink to the reader's apparel."

Tough.

Men Without Shadows

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UW Guilty of Chromocide?

Chromocide (*n.*) the wilful killing of aesthetic use of colour.

For many years now, the University of Waterloo has been practising the "crime" of chromocide, offending students with multi-coloured sculptures and, lately, distastefully coloured buildings.

Every student here has seen the phallic totems in front of Hagey Hall. Nothing more need be said about them—very few people actually like them.

Few students see the Orange Cow beside Carl Pollock Hall. No one quite knows what to think of it, but the general consensus of students is that it is one of the ugliest sculptures ever seen. Fortunately, the sculpture fits right into the environment created by engineering students.

A plastic sculpture called *Convolution*, but known to students as the Red Worm, once sat near the Arts Library. A few civil engineers decided that this eyesore was just too much to take, so they blew it up. Its remains can be found in the warehouse on north campus.

The most notable "artistic" monstrosity on campus now is the piece of Skylab debris sitting in front of the Math building. It was perfectly at home nestled away with the Orange Cow, where very few people saw it, or cared about it. It is now the focal point of the campus, as everyone looks forward to seeing how it's been redecorated each day.

Sculptures are fine—we can live with, and do something about, ugly sculptures. The constant re-decoration of the "CS" sculpture is an example. What we can't do much about is the University assaulting our eyes with ugly buildings.

Before ES2 came along, the campus looked great. The massive grey Math and Computer building, the sugar cube Arts Library, and the collection of brown brick buildings all blended in with each other nicely. Then the offending Red Worm was blown up. So ES2 was built.

ES2. It has been described as "the only building on campus that makes no attempt to hide its banality." Its hideous reddish (the University calls it salmon pink) colour stood out as the ugliest thing on campus. (Maybe it was made the colour it was just so people could find it easily.) Inside, its sterile white corridors do nothing to aid its cause. ES2 is just plain ugly, and the University knew the students couldn't do anything about it.

Until last fall. Then, a fine arts student (I've forgotten his name) made some large rust-coloured foam brackets and attached them to ES2 in various ways. The students loved it. At last, ES2 looked like something neat. It had *character*. From that day on, no one could look at ES2 with the same disdain he/she once did.

So the University fought back, and hit the students where it hurts. Their homes.

Look at the Married Students Apartments from the ring road by Hagey Hall. The vomit-coloured yellow-green siding being installed stands out. One building wouldn't be too bad, but when all six of them bear the same colour, the ugliness is multiplied. The University's explanation: "The brick has deteriorated."

Ugliness on campus, as mentioned before, can be lived and dealt with. When the ugliness of a building is forced on not just students, but the city as well, then first-degree chromocide has been committed.

What can be done? We could teach the University designers and our architecture students about effective use of colour. But that doesn't undo what's been done. If this were coupled with the painting of the siding at the Married Students Apartments, the solution would be almost complete. But the problem will never be solved unless everyone at the University (students, faculty, staff, governors, planners—everyone) realizes that the campus we have is beautiful, and must be kept that way.

This means that the students should not go out blowing up or repainting sculptures, and the University should keep its building designs and colours at least aesthetically pleasing. How about it?

dwarf

LookAhead

A glance at upcoming events

Fed Flicks

Fed Flicks are held on Fridays and Saturdays in Phys145 at 8 pm. Cost: \$1 feds, \$2 others.

May 11-12: *Catch-22*

May 18-19: *No Fed Flicks - use engie movies*

May 25-26: *Trading Places*

Cinema Gratis

Starts in the CC at 9:30 pm.

Get there early and get a good seat!

May 16: *An American Werewolf in London*

May 23: *Fanny and Alexander*

UW Arts Centre

May 24: *Coppella* presented by the
Carousel Dance Centre

7:00 pm Humanities Theatre

DCS Courses

*Free! One to three one-hour lectures;
contact DCS to register.*

May 15, 17: *Introduction to GML*

May 22, 23, 24: *CMS Part II*

Co-Op Deadlines

May 11: *Math Resumes due today*

May 18: *Math Want Ads are out; AM/Eng resumes due.*

May 22: *Math Job applications due*

May 25: *AM/Eng Want Ads are out*

May 28: *AM/Eng job applications are due*

Deadlines

May 14: *Adding courses*

May 28: *Dropping courses*

Other Things

May 16: *The Dream of Gerontius* by Elgar.

K-W Symphony Orchestra, Centre-in-the-Square, 8:00 pm

May 18: **ICR Seminar: Expert Systems, Logic Programming and Prolog.** MC 5158, 10 am - 3:15 pm

May 21: **mathNEWS production night**

May 25: **mathNEWS next issue (be warned...)**

Hacker's Cribbage

(For CS 369 Students)

Ever wanted to play cribbage, but didn't have a cribbage board? Or, even worse, have all of your pegs broken off inside it? Now, wherever you are, whatever you have, you can enjoy a friendly (or not so friendly) game of cribbage.

If you don't know how to play cribbage, go and find out how to count up to fifteen (15).

Required materials are a standard deck of fifty-two (52) cards and two (2) eight-bit (8-bit) registers. Note that eight-bit registers can be simulated with eight (8) two-sided (2-sided) objects, with the provision that the sides must be recognizably different, and that they are monostable (i.e., if they are put one way up, they will stay that way!). Optional equipment includes: a decade counter for each player (this can be simulated by a four-bit (4-bit) register, or an up/down counter using (say) excess-10 (oops ... CS 350) notation); a flip-flop to indicate whose deal and crib it is (modification required for non-two-player games; this is left as an exercise for the reader); mirrors for people who can't read binary upside-down and backwards; and, of course, the obligatory supplies of refreshments. (*No beer! You aren't engineers!*)

Rules are the same as standard cribbage with the exception of scoring. All scoring is done in hardware (unless you have a Turing Machine (*person*) (oops ... CS 360) emulating the hardware, in which case the modifications should be user-transparent). The eight-bit (8-bit) registers are used to keep track of the score of each person. The ^{mirrors} are required so that, if neither person can read binary upside-

down and backwards, the mirrors can be set up behind the registers. One person, most likely the one who is keeping his score on that register, can read the value directly; the other can read the value off from what is displayed in the mirror.

For real wimps: the registers can be connected to seven-segment display drivers, and the values read off directly in decimal. Note that this will result in more current being drawn, so make sure that your power supply can handle the increased requirements!

That is about it for the hardware specifications. Others can be added as desired, but we aren't interested in them, so unless you think you are super-cool wowie gee whiz golly with your ideas, don't send them in to us. The circuit(s) can be constructed using any conventional techniques. Fabricating a chip might be taking it a bit too far. There are no high-frequency signals to worry about, unless you are Superman, so inter-lead capacitance is negligible. Note that construction techniques might have to be invented if you are emulating the hardware with a Turing Machine.

Rules are the same as for regular cribbage. One add-on to consider is an obnoxious buzzer that goes off whenever "muggins" is claimed. A shock machine can also be used for those who improperly claim "muggins."

Going further: the enthusiast may want to add micro-computer control, with voice-recognition on such keywords as "muggins", "go", and "nineteen" ("19"). Programming is dealt with in more advanced courses, such as CS 340. Automatic card shufflers and dealers are *passé* and should not be considered.

Since some people who can read binary are not that proficient in adding in it, it may be necessary to add an ALU (Arithmetic Logic Unit) in order to do the additions that are required. Inputs will be from the register holding the person's score, and an auxiliary input which defines how much is to be added. This extra input is left to the inventiveness of the reader—our suggestion is a hex keypad. Note that since the register's output, after being processed by the ALU, is fed back to the register's input, edge-triggered registers must be used, not simple registers with "latch-enable" inputs.

If the wimp version (see below) is not going to be played, the registers can be reduced to seven (7) bits, thereby reducing cost. If expansion to n bits is desired, it might be advisable to design the system around a bit-slice microprocessor (oops ... oops ... CS 350 twice! (2 times!)) for easy expandability.

Other courses which may be of interest and relevance are CS 486 (A.I.), CS 452 (real-time), and C&O 482 (game theory).

CS 180 Rules

These rules are for those people who are not proficient in binary, and hence should not be allowed to take courses past CS 180.

The essence of this version is that numbers like 15, 31, 121, etc. are not immediately recognizable by the average non-mathie. The hardware remains the same (so electrical engineers might have a chance of survival with this version).

The scoring rules in this game are changed somewhat. In counting hands, 16's are counted instead of 15's; three (3)

About The Cover

Last term, mathNEWS made a comment (Vol. 34, No. 6, March 30, 1984) to the *Gazette* about its fixation with shadowed boxes around articles. We asked for volunteers to rid the *Gazette* of these clothes-staining visual obscenities.

The *Gazette* responded shortly thereafter with an article entitled *Adamant*, which told us, in a word, "Tough." The article was, in true *Gazette* fashion, enclosed in one of their ubiquitous shadowed boxes.

The cover is our response. Help stamp out shadowed boxes!

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Editor-in-Chief: Tom Ivey

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of a kind count for 8 points, and four (4) of a kind count for 16; runs of length x count for a score of 2^{x-2} , for $x \geq 3$; a five-card (5-card) flush is worth 8 points (no change for a four-card (4-card) flush). The reader may wish to verify that this leaves important consequences unchanged—for example, the maximum is still 29 points—while results of no consequence may not still hold (as 19 is now a possible score).

In play, the same results occur as for counting hands; also, play is to 32 instead of 31. Skunk is moved to 96 from 90 (that is, bits 5 and 6 set), while double skunk is moved to 64 from 60. Game is 128 points, that is, setting the register's high-order bit.

This system was designed and tested (not in the depth that this article covers) by the authors. It took a joint effort to develop and test the system. Our thanks go to Dr. Bruce I. Nary, who gave us the inspiration for this system, and to the various CS professors who taught (or will teach) us the information required for all the needed refinements. If you don't know the basic rules of cribbage, talk to Hoyle (if you dare admit the fact).

Happy hacking!

James Puttick
W. Jim Jordan

War Surplus Cookery

with Marlon Brando
and Martin Sheen

Fellow war-hawks, we are witnessing the end of the age of hand-to-hand combat. Our familiar instruments of brutal warfare are being replaced by more gentlemanly devices, like tac-nukes, in everyday use. So what are we going to do with all of the surplus weapons, dear to our hearts, but now obsolete?

We say, let's use them to solve the food crisis. Here is just one of the imaginative recipes which we've developed.

Duck a l'Agent Orange

Shoot, debrief and hogtie one wild duck and remove feathers using 2 tbs. napalm and a piece of cheesecloth. Drench with a mixture of 2 cups sterno, a dash of gunpowder, and 1 tsp. flour. Place in upturned combat helmet sprayed with "Pam" and cover with chicken wire. Cook in 600-degree oven until duck glows orange. To test for doneness, remove pin from one standard-issue grenade and push into flesh; pin should emerge half-melted. (Be sure to dispose of live grenade.) Remove remains of duck from oven and garnish with defoliated parsley. Serves 20. Kill radius, one kilometre.

Ah, how I love the smell of napalm in the morning... it smells like...victuals. (Or Village cooking...)

Engineers Publish Clean Society Paper

Many of you may have seen on the benches of various buildings of this hallowed campus a new tabloid-sized publication entitled *Heliograph*, which turns out to be the monthly publication of events and activities of EngSoc. (NB: For those of you not familiar with the way EngSoc handles newspapers, *Iron Warrior* is the paper they publish to present news on engineering in the real world (a subset of the complex world that Mathies handle with few problems), *Heliograph* is a new paper to present EngSoc activities to engineers at UW, and *Enginews* used to play the role now held by *Heliograph*, but with an approach to women and non-engineers that made *Penthouse's Callgula* look like a Disney movie) Being News Editor and usually a heavy critic of engineers (which is why I so often run down VIA Rail), I went over this paper with a fine tooth comb, finding only a few points questionable.

First, I feel that there was just too much blank space, such as very wide margins. *Iron Warrior* is not so bad, but any copy of *Enginews* I've seen has also had that problem. It's likely their own choice at layout.

Second, there was a reference to EngSoc A (the other stream), having to use an inflatable doll for their Lady Godiva parade and saying that that was the best that stream had ever done with women. That was the only sexist remark in the entire paper that I caught.

Third, and perhaps the biggest problem, is that I swear they printed more copies than *Imprint* does. Everywhere you turned, there were piles of *Heliograph*. Considering that engineers have virtually all of their classes in the engineering buildings, why couldn't it have been restricted to those five in that corner of campus? I was tripping over bundles all the way up in Village One!

But, as you can see, these points, compared to what could be raised against *Enginews*, are simply petty. There is no way around it, EngSoc must be commended for publishing an excellent new newspaper for the engineers on campus. Now if only those engineers could read...

Scooter!

Something to think about as you sip your Friday afternoon coffee.

Human beings seldom live past a hundred years. Their remains eventually decompose. Styrofoam cups do not decompose. They produce poison gases if they burn. Therefore they are not burned.

The point: the world will eventually be overrun by coffee cups!

Imprint at a Crossroad

Imprint, once the darling of Canadian University newspapers and the final solution to the Chevron affair, now finds itself in trouble with a drop in the size of its active staff (including several of the paper's senior contributors), a drop in the quality of its news and sports coverage, and threats to establish a competing campus student paper. This was recently reflected in Imprint volume 7 no. 1 of last Friday, which has come under a wide consensus as being of rather poor quality.

Disenchantment with Imprint started to come to the surface last January when the then News Editor (and now Editor-in-Chief) George Elliot Clarke began writing a regular column entitled 'Speeches'. Although written as a thinking man's discussion of contentious subjects in picturesque prose, it soon became infamous for certain views that caused a variety of readers to brand Mr. Clarke as a Communist idealist, and launching a barrage of reaction resembling the attitudes of the height of the Chevron affair. The most recent issue of Imprint, although lacking the now discontinued 'Speeches' column, did little to shake the fears of a renewed Chevron affair when it carried an article, previously seen in the Chevron and written by Jeff Conway, who is the only Chevron staff member to sign his own name to an article in the 'rag's recent history.

In discussions with Federation President Thom Allison, **mathNEWS** has learned that the Federation has given Imprint until their June 1 issue to get the quality of the paper back up to par, or the Federation will use some of the powers given it during the Chevron affair. These powers include having Security change the locks to CC 140 (the Imprint offices), the cancellation of the Imprint fee, and removal of Imprint as the campus student paper.

At press time, there were no reports of how refunds of optional fees were going, but in an informal survey, this reporter found that there are many more (in his sample, roughly four times the usual number) who were planning on refunding the Imprint fee, most of whom had not refunded the fee in the past, but were now planning to do so. This reporter, who, like this group above, has chosen for the first time to obtain an Imprint refund, found last Friday that an argument of great severity had broken out among members of the Imprint administration that could be heard out into the Great Hall of the Campus Centre. One student, wishing to use the new Fed 'free phone' (just like the one in the MathSoc office for years now!) found that she had to ask Mr. Clarke and the rival in the argument to keep the noise down so she could finish her call.

Such problems have made Imprint a news item both at UW and WLU, where the Cord Weekly first broke the story of Federation plans to start a rival paper. **mathNEWS** promises its readers that it will follow this story to the best of its capabilities, and will keep its readership informed of any details as they become available.

Grop!

Bank of Commerce Installs Instant Tellers

Coming in July (the sign says September because it was put up for the other stream and regulars who won't be back until then), the Canadian Imperial Bank of Commerce in the Lower Mall of the Campus Centre will be installing not one, not two, but four instant teller banking machines, which will be open and operational each night until 10 pm and for limited weekend hours. Requiring the erection of a modified entrance, it is anticipated that these machines will be better able to serve the normal banking needs of the student body at large, with the staff inside the bank better able to concentrate on the special needs that may arise from time to time such as OSAP, RRSP policies, or term deposits. It is also anticipated that these machines will overcome those ungodly two hour line-ups to get twenty dollars drinking money for Thursday night which almost all of us have had to endure at some time or other.

Blurbone

Once again **mathNEWS** has successfully replicated itself for the delectation of MC students and readers in general. Our mandate is to inform, entertain, and provoke discussions on divers subjects among the populace. Alas, we cannot live on computer time and layout work alone. The communication between **mathNEWS** and its readership should not be one-sided; readers (you, for example) are invited, dared, challenged even to reply, rebut, riddle, argue, complain, challenge in turn, opine or simply write in exactly what they think was, is now, and maybe shall be concerning **mathNEWS**, Mathsoc, DCS, MFCF, the Math Faculty, UW, K-W, or the world at large, using appropriate media, which include paper (via the **mathNEWS** box on the 3rd floor), orally to anyone mentioned in the Mathstead (Masthead, rather), or via computer mail to mathnews@watdcsu.

N.B. Avoid run-on sentences.

CSC Flash

Welcome to the CSC Flash. The CSC Flash is an article put together by the U of W Computer Science Club and its purpose is to keep students up-to-date on just exactly what the CSC is up to. Keep your eye on it for further information about meetings and other club activities.

The most immediate issue is election of executives. Nominations for the positions of Pres., Vice-Pres., Treasurer, and Secretary will be accepted. You must be a CSC member and be nominated by at least two other CSC members. Submit nominations to the CSC from May 9 to May 16 and be sure to include name, phone number, year, programme, position nominated for, and signatures of the two nominators. Memberships can be obtained from the CSC for \$1.

Entertainment

by Marcel Kahnt

In this issue, **mathNEWS** looks at the happenings at Cinema Gratis, Fed Flicks, and the new remake (or retelling) of the story of what happened to William Bligh and Fletcher Christian on **The Bounty**.

Movies

Dino de Laurentiis has finally completed and released yet another remake (remember, he was the one to give us the King Kong remake about ten years back?), but this time, he didn't use the previous versions as a guide, but instead followed a book entitled **Captain Bligh and Fletcher Christian**, deviating from it only when the records of the Bligh Court Martial were clearer. Plagued by fears of overwhelming costs, indecision as to who should play Fletcher Christian, changing directors, and an original script of eight hours duration, the project stalled on more than one occasion, permitting leads Anthony Hopkins (*Captain Bligh*) and Mel Gibson (*Fletcher Christian*) to take on a variety of other roles during the six years it took to put this two and one-half hour feature together.

If you get much of a chance to see movie reviews on television or read them in the *Star*, the *Globe*, the *K-W Record*, or maybe even the *Sun* (???), you will know that everyone has been describing this as absolutely terrific. Well, I thought it was good, and I did enjoy it for its steadiness, cinematography, and competent acting (but not superb). I just cannot bring myself to say that it was as good as everyone seems to think of it. Before seeing the movie, I read about it in a magazine available free of charge at the theatre (**Marquee**, published by Marquee Communications Inc. of Toronto). There were all sorts of points in the article to point out how Lt. William Bligh (this Lieutenant was Captain of the *Bounty*, it was not his rank as most believe) was not a disciplinarian, but this did not really come across in the movie at all. When on the ship, Bligh seemed to be just an old stodgy trying to do a rather non-descript job with a bunch of lusting seamen longing for the Tahitian women. Perhaps it was meant to show all of these men as just human, instead of being any of Marlon Brando, Errol Flynn, Clark Gable, Trevor Howard, or Charles Laughton, all of whom were Bligh or Christian at some time. The only time I was in any way aroused by the film was when the drifting loyalists to Bligh sighted land and sailed into a Dutch town settlement, which assured their survival and return to England. This Orion Entertainment release playing at the Hyland in Kitchener and rated PG (a bit low considering that there were, out of over two hundred women, only four whose bosom were not open to plain view, and there was an extensive presentation of a fertility festival) rates 7.5 out of ten for production quality, 7 for story, and 6 for acting, for an overall weighted rating of 6.8 (as a reference, *Casablanca* gets 9.3, *Terms of Endearment* gets 8.5, and *Gandhi* gets 8.3).

Fed Flicks

Tonight and tomorrow is the source of a very common phrase, **Catch-22**. An insane man cannot be removed from the armed forces of the United States unless he seriously believes himself to be sane. Set in World War II Italy in the summer of 1944, this movie was released around 1970 and is quite comical in some of the methods used to try to convince the officers that various enlisted men were insane. This included such stunts as bombing one's own runway on the orders to bomb any military installations (well, it **was** a military installation, wasn't it?), and deliberate misordering and misshipping of supplies such as potatoes being sent in place of parachutes on a mission. It is somewhat anti-war, and subtly anti-Nam, as well as being quite hilarious at certain points.

Two weeks from tonight is **Trading Places** with Dan Aykroyd and Eddie Murphy. I thought I had reviewed it during the winter when it first showed on campus, but I cannot find my description anywhere. It doesn't matter so much as I no longer dislike it as much as I did when it first showed. Actually, after seeing it in the winter, I liked it, unlike my feeling that it was weak when I paid six bucks fifty to see it at a theatre in Moncton (after spending two hours in a bloody-freezing line-up!). Murphy and Aykroyd work far better than Murphy and Nolte (or even Murphy and Piscopo (Brad Hall and Joe Piscopo actually seem to me to be the ones to best carry Saturday Night Live)), which comes through in some absolutely excellent point/counterpoint scenes.

Cinema Gratis

Wednesday, those terrific Turnkeys (can I get my ID card back now?) are showing **An American Werewolf in London**. I don't know what to say about this one. It's not too bad (it could have been far worse), but I didn't find any really substance to, if you will forgive the phrase, bite into. It has some excellent Rock and Roll, and I think it got an Oscar for its make-up or special effects or something like that (if it didn't, it should have), but I just didn't take to the story line. The following week's feature is better rated, being the European film **Fanny and Alexander**, which won something like five or six Oscars this year, including Best Foreign Film. I haven't seen or heard much about this one, but it certainly sounds like I should try to learn more by actually seeing it. I am expecting it to be quite good and recommend it.

Arts Centre

We don't have much from the UW Arts Centre yet this term other than **Coppelia** at 7 pm at the Humanities theatre on May 24, presented by the Carousel Dance Centre. I haven't received a press release from UW Arts Centre about it yet, and so I don't even have the prices available. More information is available from the UW Arts Centre Box Office in Hagey Hall.

Getting the Most Out of Your Textbooks

Okay. So they're sitting there in your knapsack. Of course you couldn't afford cash for them, but you know that your cheque will be happily digested, and you can almost feel your bank account dwindle. They cost you at least \$40 apiece, and 30 in line. Soon they will be collecting dust on your bookshelf. So what good are they?

Yes, you know why you buy textbooks. You're supposed to. Profs enforce this by using them for assignments and memorization of proofs of theorems (when you can't read your own notes (or the prof's in the first place)). But still you think—\$50 for one bloody book?!?!?

Fear not, brave mathie. There are ways to optimize your "investments," and I would like to suggest how to get your money's worth out of the damn things. We're not beat yet.

Social prestige is always nice. Take another look at your knapsack. Pretty full, eh? Compared to the Artsie handbag (or purse), you have a mountain on your back. Also, the THUMP when you throw it on a desk will cause gasps of astonishment from anyone within earshot.

Making those THUMPs is actually good for you. Aside from relieving built up tension, THUMPing and carrying those books is great exercise. Forget your aerobics class! Walk around the block with your textbooks.

I suppose they are also good for studying. After going over your own (illegible) notes for the twentieth time in preparation for "the big one," you may still have the jitters and desire a change. Pick up your textbook and read it. If you are still awake (sleep inducement is another use for texts), you can easily convince yourself you are learning something, although you are actually going over the same material. At least you have new places to doodle.

Finally, I have to admit that textbooks do have a use in your future. Sooner or later you are going to (a) get a full time job and (b) settle down. Both home and work will have lots of desk space and empty bookshelves. You are obligated to fill these spaces, and in doing so you will need every book (text or otherwise) you have ever owned. At work textbooks are preferable to Hardy Boys or Nancy Drews. They tend to look more work related. Studies are also generally better suited for textbooks. It keeps the neighbours from talking.

grmcfarlane

The T-Shirts Are Coming!

MathSoc will have (probably next week) available a T-Shirt in a brand new (!) design. Alas, we can not reveal the design to you at this time. The shirts will be available in yellow and royal blue, and the price is rumoured to be about \$5. We'll do an update in the next issue.

Feedback

(dated March 30) To the Editor:

I only read one mathNEWS this term, the Mar. 30th issue, but I was really pleased to see your article about the Imprint ("Feds Dissatisfied with Imprint"). Thanks for the (apparently) non-biased coverage of a very important issue that hasn't received the attention it deserves.

Yours truly,
Alex Weaver
3B Chem.

Frosh Issue

Each summer, Watts and the boys and girls get together to generate vast quantities of ASCII text files, paste up strange pieces of laser-printed paper, order pizza and create the Frosh Issue of mathNEWS. Think of your experiences when you were first a Frosh. What were the good points? What were the bad points? What strange and interesting courses have you taken? We're looking for lots of help to make Frosh Issue '84 the best ever, and you can assist this noble cause. If you have any Frosh advice, course reviews, or other useful Frosh helps, please contact mathNEWS via third floor mailbox, catch some staff members in MC3035, or mail to mathNEWS via watdcsu. Better still, come join the mathNEWS team and enjoy fringe benefits such as pizza, and meet the people who bring you this publication. The pay really is unbelievable!

ElseWhen

mathNEWS 10 years ago

PUB RUNNING DRY—mathNEWS has learned from a source in the Federation's Board of Entertainment that the campus centre pub "may close within two weeks." A Federation executive member has told mathNEWS that the pub is presently losing an average of \$100 per day...

LOCKERS—Math Society president Paul Armstrong has informed mathNEWS that plenty of lockers are still available with over 150 having being issued to date...

GET A BITE OF THE 'BUN—Students who wish to obtain a Honeywell 6050 userid must punch a card in the following format: 1-20, surname; 21-23, initials; 25-33, student ID; 35-, course name. One card per math course is necessary. Resources \$500 and 12 links file space will be given for each course. Bring your cards to MC 5060. Don't try and cheat though because all information will be checked against the registrar's registration data...

COMPUTING CENTRE MAKES MUCH CHANGE—Well, spring is in the air, a new term is upon us, and so is a new computer services accounting system, not to mention the new two-digit computer phone system and even the newly renovated Honeywell terminal room...Accounting is now on a supposedly "real money" basis. This led to the removal of the GENERALUSE accounts from APL...It also means that the Computer Science Club probably won't get much in the way of Computing Centre account numbers...

Strange Fed Bellows

This issue we begin **Strange Fed Bellows**, the **mathNEWS** column of happenings at the Federation of Students. Updating what happened in the winter:

- Fed Hall was successfully tendered
- The Feds pulled out of the Canadian Federation of Students
- The Fed fee was raised 50 cents a term to due to inflation
- Against four challengers, Tom Allison was returned to office with a new executive
- A proposed rise in the residential fees was rolled back to 6.6 percent due to Federation intervention.

The biggest story is the long awaited start to Fed Hall. With construction one week ahead of schedule, the only stumbling block that may arise is a rumoured mechanics strike in the construction industry, although Tom Allison did note that one of the sub-contractors, quite possibly the mechanical sub-contractor, was not unionized, thus allowing us to avoid such a delay. With a dining lounge license, it will permit the pub to operate seven days a week, with the Federation bartending staff providing alcoholic services to the patrons (contrary to what was reported in *Imprint*).

Activities planned for this term include last week's **Clash** concert, the computerization of the Used Book Store, the retirement of the Federation Business Manager, a second major concert with a yet unnamed group along the popularity level of the **Clash**, as well as other unannounced activities and all of the regular services of the Federation.

How Not to Write an Article

Note: This article replaces one entitled How to Not Write an Article. Its author decided to take his own advice... -ed.

Did you begin reading the blurb entitled *How to Write an Article* in last week's Heliograph with great interest? Did you give up after the third paragraph, concluding writing was too much work, and that you'd never make it as an author? Read on, help is on the way!

Basically, Heliograph tells to (1) think, (2) write an outline, (3) think, (4) write an opening and a closing, (5) think, (6) write, (7) think, (8) edit, (9) think and, finally, (10) edit again. Whew! Well, if you are writing for **mathNEWS**, you can immediately discard all the odd-numbered instructions; our articles are generally meant for readers who can think for themselves. While you're at it, throw out the outline, since organized articles are a phenomenon unknown at **mathNEWS**. Openings and closings are usually hidden somewhere in the middle of articles, and we'll even do the editing for you. As an added bonus, we'll throw in some free (but often stupid) editorial comments!

So what's left for *You* to do? It's the scariest thing of all, **WRITING!** Being as desperate as we are, we'll accept just about any drivel you can generate; we're looking for news (!), humour, sports reports, crosswords, contests, album and movie reviews, and anything else that's printable (except class notes from Math 230B). So grab a pen and start moving it!

The Clash in Concert

Friday, May 4th, The *Clash* appeared in concert here at U(W). The general opinion seems to be, "I should have saved my \$11.50 for something more entertaining, like bowling." The concert was plagued with problems.

The show was opened around 8:30 by *The Wise Guys*, a local rockabilly band. Even though the (double) bassist did provide some entertainment with his antics, the people who came to see the *Clash* weren't in the mood for Elvis sound-alikes. There was cheering for the first song, polite applause for the second, restlessness for the third and projectiles after that. Either fewer songs by this group, or another group that is more a part of the *Clash* genre would have been an improvement.

The opening number, *London Calling*, didn't sound bad; a bit rough but OK. Next song, though, it begun getting worse, and the songs become almost unrecognizable. *Rock the Kasbah* was plain pitiful, and even the (I thought) undamageable *Police on My Back* suffered major damage. The sound was *terrible*. The echoes off of the back wall were as loud as the band if you were more than three-quarters of the way back. I don't expect studio quality, but some kind of soundproofing mechanism across the back wall would have been very welcome. I guess this is not *Clash's* problem though... The situation was made worse by the sound man, who (probably in accordance with Joe Strummer's instructions) cranked up the instrument amps *way* past clipping, while leaving vocals low enough that even Strummer's screaming was swallowed by the guitars. While the concert sounded exceedingly loud, it turned out that it was mainly the distortion making it sound so, and no serious ringing of the ears resulted from the show.

The *Clash* accused U(W) of charging the AIA \$40 for the use of a room, while some other group got it for free. If I had heard what this other group was, I would be in a better position to comment on this (possible) slur on our school. Then again, Jeff Conway probably had had time to have a chat with Strummer beforehand...

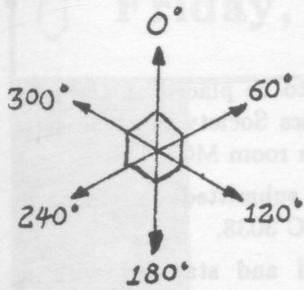
One good point: BENT should be commended for their quick responses when the lemmings crawled up on the stage. There were a couple of yellow shirts there in no time, ready to throw the fool into the wings. I understand it was not so in the English Beat concert, and you couldn't see the band for the fans.

The concert was not a complete write-off; there was the bonus of seeing what the latest grade ten punk fashions had to offer. There were all manner of strange and wonderful hair-dos to look at and make fun of. I didn't think Kitchener-Waterloo had so many punks; I thought that one would have go to Toronto to see that kind of specatcle. I particularly liked the one with the spiked, bleached hair who jumped up on the stage, and then back into the audience, using human beings as a soft landing surface. Very classy. Perhaps the Registrar's office could be convinced to offer this young man (?) a scholarship of some kind.

Conclusion: Amusing, but not \$11.50 worth of amusing.

Who:

Why:

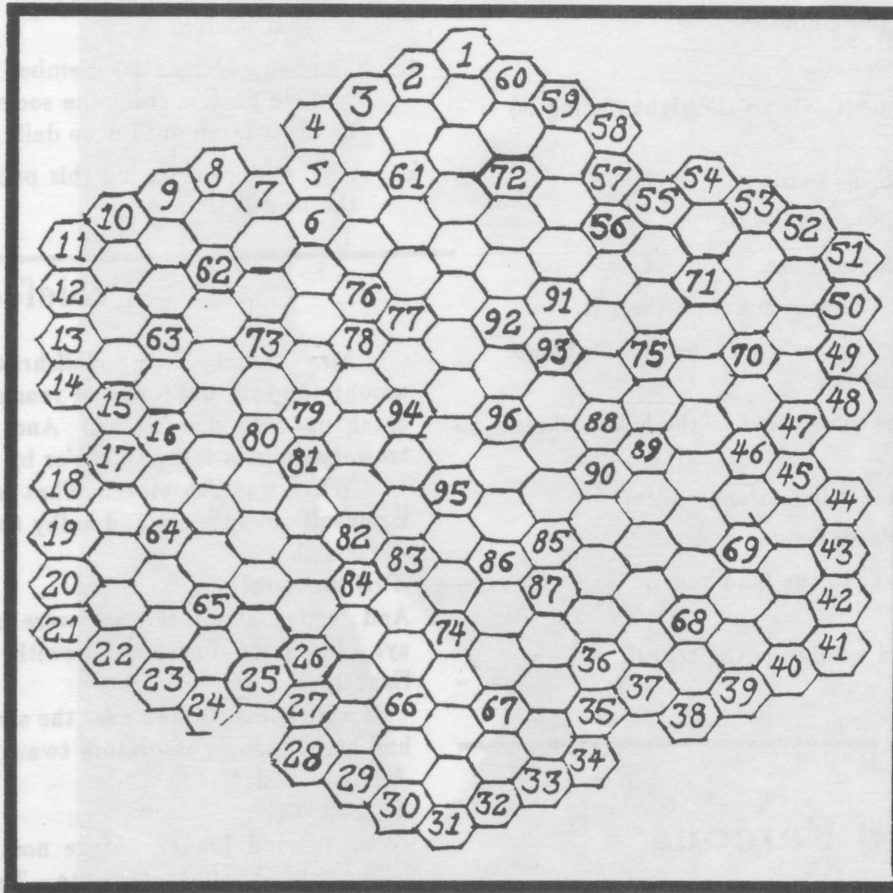


GridWord

GridWord

The GridWord has landed! Solve this week's GridWord, send it in and you will receive prizes like fame and recognition. There might even be some concrete rewards, but we can't promise them at this time. Just send them in to mathNEWS via the black box located across from the third floor smoking lounge. Beware, some clues may be rather cryptic, and they go in all kinds of directions.

(Note: this GridWord was largely ripped off an ancient issue of mathNEWS. Clues were changed somewhat.)



0 (north)

- 22. view
- 23. Beat —
- 26. cream
- 33. forerunner of PBS
- 36. it holds both ways
- 37. — Guthrie
- 39. like
- 70. disjunctive or conjunctive
- 74. ??B monitor
- 75. — gate
- 92. early (comb form)

60 (up right)

- 5. company suffix
- 12. a vegetable
- 13. see 180 degrees, clue 61
- 15. east Africa
- 21. tramp boats
- 23. SI unit abbr.
- 26. over
- 27. road
- 29. not (prefix)
- 30. avoirdupois weight
- 61. functioning
- 63. four make a hotel
- 66. all of
- 75. in no way
- 76. an english collage
- 77. prepare flax
- 79. Duran Duran song
- 83. solidify
- 85. free on arrival
- 87. LIFT : 3142
- 88. see 180 degrees, Clue 7
- 89. non Jew
- 91. a first name
- 93. ASCII control character
- 94. the end of all
- 95. "ease"
- 96. printer's measure

120 (south-east (sort of))

- 2. Toronto event
- 3. half noon
- 5. to be fond of Odet
- 6. Hindu weight
- 9. — Farrow
- 11. affirmative
- 13. led to erase key
- 16. deranged addition
- 17. hot, gaseous object
- 19. phone home
- 27. done to cards
- 55. some of it is fine
- 61. idea

- 62. the Queen's initials
- 64. to render scrambled
- 71. hydroxide
- 73. senior
- 74. inert gas
- 77. good cheer
- 78. the middle half of a pile
- 79. a city in Abraham's time
- 81. energy unit
- 83. decay
- 85. french
- 87. beginning to be iambic
- 89. used to control prices
- 90. one of the testaments
- 93. soviet fighter
- 94. generous

180 (down)

- 1. regulates
- 3. libidos
- 6. art (L)
- 7. that is
- 9. one Scottish, half Gael
- 10. tenth Hebrew letter
- 45. short kiss
- 52. your
- 56. doctrine
- 59. Tolkien's tree
- 61. Old English
- 62. military greeting
- 71. Agent E gets nullified
- 74. end of a precedent
- 78. regret
- 80. rational
- 83. a talking horse
- 84. Tolkien's troll
- 86. bit condition
- 93. moray
- 94. railroad
- 96. see 60 degrees, Clue 95

240 (down left)

- 42. there's a record man in MSA
- 43. first person plural
- 78. sell short
- 80. utilize
- 81. Mr. Patrick became this
- 82. hospital employee

300 (north-westish)

- 25. sibling
- 33. activated state
- 43. beginning to bias
- 47. unix feature
- 79. half each

Where I come from, we have mastheads. On boats, of course, but this one will have to be a reasonable substitute. Who wrote things for this issue? Good question. Seems like Tom Wasts (Article, Clash (with ELScearce)), chris seiffert & Jan Gray (CSC Flash), Scooter (fedbellows, heliograph, bank, imprints), dwarf (chromocide, elsewhere, crib (w. James Puttick)), grmcfarlans (textbooks), djcl (gridwork, froshblurb), Marcel Kahn (entertainments), mandrive (prolefeed), and me (masthead,

look, blurbs) all contributed. On Monday night, grmcfarlans (proofreading, layout), Scooter (typing, picking up pizza), dwarf (cover ideas, terminal anchorman), krye (proofreader, laying out, production, being conscientious), Ron Pfeifle (cover, of course), ELScearce (layout, proofs), wasts (pizza orderer, typing, running around), djcl (more gridwork, g.p.), dwarf (groping, too) all dropped in and hung around. Now that the queue is OK, it's time to ZZ. [Tom Ivey]

Who Owns The Zebra?

This logic puzzle was sent in last month by Ruth Sabine, late of 4B Math. The solution is printed in this issue.

1. There are five houses, each of a different colour and inhabited by men of different nationalities with different pets, drinks and cigarettes.
2. The Englishman lives in the red house.
3. The Spaniard owns the dog.
4. Coffee is drunk in the green house.
5. The Ukranian drinks tea.
6. The green house is immediately to the right (facing it) of the ivory house.
7. The Old Gold smoker owns snails.
8. Kools are smoked in the yellow house.
9. Milk is drunk in the middle house.
10. The Norwegian lives in the first house on the left.
11. The man who smokes Chesterfields lives in the house next to the man with the fox.
12. Kools are smoked in the house next to the house where the horse is kept.
13. The Lucky Strike smoker drinks orange juice.
14. The Japanese smokes Parliaments.
15. The Norwegian lives next to the blue house.

Now, who drinks water? And who owns the zebra?

Rich And Famous

That's what you could be if you wanted to. Haven't you ever wanted to see your name in ten point type like this? Or want to talk to 900 people at once without dressing like a prof?

The KEY to success is: mathNEWS.

Here you can gain rewarding experience (as well as warm pizza) in the fields of: amateur journalism, text hack-work, layout design, production, and distribution. And all in the same night!

How can I become a part of this camaraderie, you ask? It's easy! Just show up at 7:00 pm or so on any **math-NEWS** production night and be welcomed. See you there!

MathSoc Bulletin Board Policy

1. All notices, signs and posters to be placed on the bulletin boards of the Mathematics Society must be submitted to the MathSoc office in room MC 3038.
2. All housing notices must be submitted on standard forms which are available in MC 3038.
3. All posters will be numbered and stamped with a removal date. An extension for a specific poster must be submitted to MC 3038 by noon of the removal date for that poster.
4. Only the designated member of MathSoc may post or remove posters from the society's boards. Posters will be posted/removed once daily.
5. Any posters violating this policy will be removed from the boards.

Prolefeed

Mr. Lionel Twerp-Halfshrift walked with mustard among the external forms of yeasts and towels. Gare ye dan catch up with me say he!! And yet there were sayanorah trowel scrolls in the watchto'er by the scree.

What was i'th store? That is contrajindicated say he!! Beingsoft soundmines and lodby the Godby man sayess:

-Yeasssssh!

-Prffftooooow!

And reeling about the ark were bergs, flaying heigh in the ayr, being of onesubstancewith. Nothing. I did. Yes. Exactly so.

A dirkness slashed over the soon (many moons) and yest had breitly sang nomorethin twanzly yeas whan:

-Krrrrrrthttt?

-33333333!

-Whant, quod Linnel, bid ge nos yezt?? Darjeeling reeling jelling whirld replicatess note. Telling me whuch I dowint knowth. Alith, ge shoud be no powess!

Softly, prwwwwgg, he precessed unto the anner umbulation of the cluds. Runtulicus. Ambivlicus. Softly, the cluds. Yes. I will. But.

<discontinuity>

It was mooch leiter in the day that the Bacon was flaying in the hearst. Quof the Bagon:

-αεκβεφρω? -καγεδμρ!!

And lam led the Vagon the whey dun the pass the yeargling gurgling dun rungling in the caynes. Whann the fit frayed the carch did largung bie.

Up a level. Yes. Back into the stings of thworld. When will west be the breiv? Unknown. Origin. Fire. Smoke. Whistle. Ha, the runeing-dog lackey of the imperialist Watmongers. Gone now, furgut. Ethos, where are the umclouds? Crowds me out. See, I am gone.

- George Mandrive