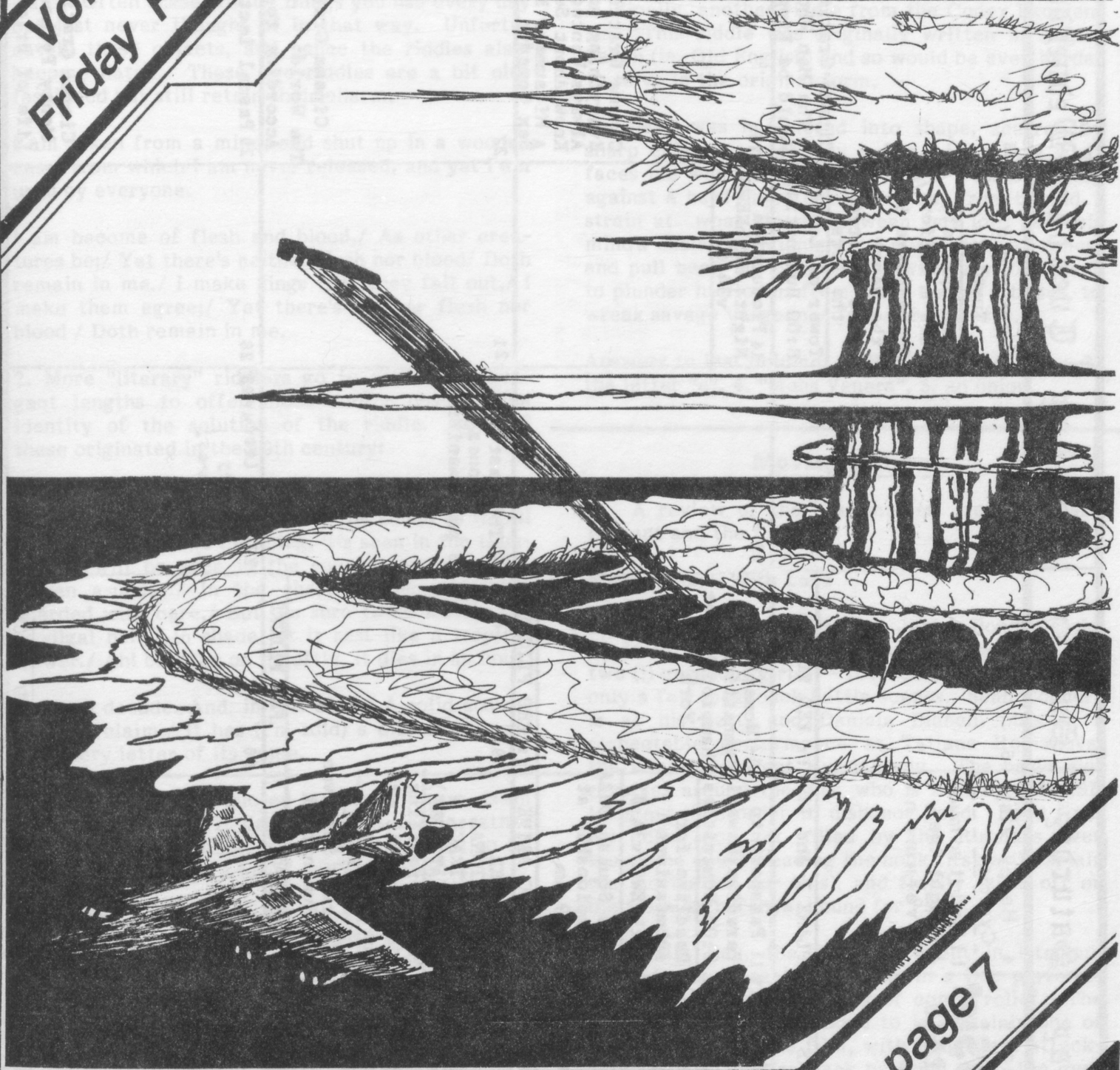


Vol. 34 No. 2
Friday Feb. 3, 1984

math NEWS



page 7

NUKE 'EM!

Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
<p>3 February</p> <p>The FASSIST Manifesto</p> <p>FED FLICKS :: AIRPLANE I and II</p> <p>10 With Spritely Fire & Motion</p> <p>12:30 Theatre of the Arts</p> <p>Men's Nordic Skiing Champ'ship at Laurentian</p> <p>Women's Synch. Swimming Ch'ship at McMaster</p> <p>FED FLICKS ::</p> <p>17 ON THE STANDS mathNEWS v34 #3</p> <p>Women's Squash Championship at Queen's</p> <p>Women's BBall Championship at U of T</p> <p>FED FLICKS ::</p> <p>24</p>	<p>4 Happy 21st Cynthia! ---</p> <p>I Liked it so much I Bought the Government</p> <p>11 Passport to Paradise:Hawaii</p> <p>8:00 Humanities</p> <p>Deadline for submissions mathNEWS v34 #3</p> <p>Mens Squash OUAA Championship at RMC 9 am</p> <p>STAYING ALIVE</p> <p>18 LAURIER INVITATIONAL INDOOR TRACK & FIELD (AT YORK)</p> <p>Men's Wrestling Championship at Guelph 8 am</p> <p>An Evening with Gilbert & Sullivan 8 pm Humanities</p> <p>GALLIPOLI</p> <p>25</p> <p>PSYCHO II</p>	<p>5</p> <p>12 Women's Gymnastics Championship at York</p> <p>FED FLICKS</p> <p>19</p> <p>26</p> <p>27 Gaus's Lectures Gaus Lives!</p> <p>28</p> <p>29 Pascal Lectures</p> <p>30 February</p> <p>1 March Pascal Lectures</p>	<p>6</p> <p>20 The Best of Cannes 8 pm Humanities</p> <p>21</p> <p>22</p> <p>23</p>	<p>7 Are you a Turtle?</p> <p>With Spritely Fire & Motion: Shakespeare & the Dance</p> <p>12:30 Theatre of the Arts</p> <p>Tower of London 8:00 Humanities</p> <p>14 Production Night: mathNEWS v34 #3</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p>	<p>8</p> <p>Cinema Gratis: The Man Who Would be King</p> <p>15</p> <p>Cinema Gratis: Everything you Always Wanted To Know About Sex A Midsumeer Nite Sex Comedy</p> <p>22</p> <p>Cinema Gratis: The World According to Garp</p> <p>29 Pascal Lecture</p> <p>30 February</p> <p>1 March Pascal Lectures</p> <p>Cinema Gratis: Monty Pythons: Life of Brian</p>	<p>9 With Spritely Fire & Motion 12:30 Theatre of the Arts</p> <p>Men's Alpine Skiing Champ'ship 9:00 am Collingwood</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p>

RiddleQuest

Due to the enthusiastic response from last issue's column, the RiddleQuest continues. Readers are encouraged to submit answers to these riddles to **mathNEWS** via the **mathNEWS** box on the 3rd floor.

1. The overwhelming majority of classical riddles describe ordinary objects in unusual and unforeseen ways. Often these will be things you use every day but just never thought of in that way. Unfortunately these objects, and hence the riddles also, become dated. These two riddles are a bit old-fashioned but still retain their charm.

I am taken from a mine, and shut up in a wooden case, from which I am never released, and yet I am used by everyone.

I am become of flesh and blood,/ As other creatures be;/ Yet there's neither flesh nor blood/ Doth remain in me./ I make kings that they fall out,/ I make them agree;/ Yet there's neither flesh nor blood / Doth remain in me.

2. More "literary" riddlers go to rather extravagant lengths to offer clues and/or obscure the identity of the solution of the riddle. Both of these originated in the 19th century:

'Twas whispered in Heaven, 'twas muttered in Hell,/ And Echo caught faintly the sound as it fell .../ 'Tis seen in the lightning, 'tis seen in the thunder,/ 'Twill be seen in the spheres when they're driven asunder./ In the chest of the miser 'tis hoarded with care,/ But 'tis sure to be lost in the prodigal heir./ In shade let it rest like a tropical flower./ Ah! breathe on it softly, it dies in an hour.

No hard decode. And, in this case,/ A solid answer you can claim./ It has (I'm told) a different face/ For every letter of its name.

3. This Irish riddle, quoted by James Joyce, is an exception because it describes an action rather than a physical object. The first line used to be "standard form" for a lot of collected riddles.

Riddle me, Riddle me, randy-bow,/ My father gave me seed to sow,/ The seed was black and the ground was white./ Riddle me that and I'll give you a pint.

4. The Bishop of Oxford in Darwin's day was a staunch opponent of the idea of evolution. But Bishop Samuel Wilberforce also collected and created riddles. The riddled quoted here was published after his death, and the solution is not known for sure.

I'm the loudest of voices in orchestra heard / But yet in an orchestra never was seen;/ I'm a bird of gay plumage, but less like a bird / Nothing in Nature ever has been./ Touching earth I expire, in water I die,/ In earth I lose breath. I can swim, I can fly./ Darkness destroys me and light is my death;/ I can't keep alive without stopping my breath./ If my name can't be guessed by a boy or a man,/ By a girl or a woman it certainly can.

5. Finally, another riddle from the Codex Exoniensis. This riddle was originally written in Anglo-Saxon (ie. Old English) and so would be even harder to solve in the original form.

My head was hammered into shape, scarred by sharp chisels, scoured by a file. I swallow what faces me whenever, wearing rings, I thrust firmly against a hard object; hallowed out from behind, I strain at what stands between my lord and his mind's desire at midnight. I guard gold at times, and pull back my poking nose when my lord plans to plunder heirlooms from those he has subdued, to wreak savage vengeance just as he pleases.

Answers to last column: 1. Man, 2. Teeth, Dark, 3. the letter "e", 4. "Mons Venera", 5. an onion.

Moving Pictures

A review of the best movies, from the past, present and the future.

From Russia, With Love

This film is definitely a James Bond classic. Made in 1964 (happy birthday!), it features only two (!) gorgeous girls — for Bond, at least — and only a few megabuck battle scenes. Sean Connery is at his best, and Daniela Bianchi puts in a respectable performance as Tatiana Romanova, the almost-innocent Russian spy. The basic plot revolves around the girl, who is sent by SMERSH to Istanbul in order to dishonor Bond. Bond finds her, does not get killed by the Russians even though he could (reading the book first will explain the motivation for this), and finally takes off on the train with Tanya, bound for Paris.

Kerim Bey, the Service's agent in Istanbul, with his innumerable sons puts in a fine performance with a good sprinkling of comic relief. The gypsy dinner he takes Bond to is certainly one of the highlights of the film, with Bulgarians attacking and being beaten back by Bond, Bey, the gypsies and — get this! — the Russians' head executioner, Donovan Granitsky. The movie follows Ian Fleming's book quite closely, expect for a somewhat more dramatic conclusion. The film is available on TV several times a year — watch for it!

Entertainment

by Marcel Kahnt

As you by now likely know, **FASS** is on at the Humanities Theatre. It is likely impossible to get tickets now to either of tonight's showings or tomorrow's final performance, but if you can, be certain that you do as from the sneak previews I had before **mathNEWS** went to press, I can well say that this year is likely to be even better than many of the recent performances. This year's topic is advertising, and you can be sure that they are having little trouble mocking many of the commercials you see regularly on TV.

I know this is not an upcoming event, but from what I understand this is going to be a regular event according to Sonny and Bill Flanagan, its organizers. This event is the **Folk and Blues / Creative Arts Board Coffeehouse**, held last Saturday evening in Hagey Hall room 280 (the Arts Undergraduate Common Room). Knowing both Sonny and Bill, I may be accused of writing a biased review of the event, if it wasn't that I am not really crazy over Folk or Blues. As an evening it was very enjoyable, with very good music being performed and no flaws coming forth in the organization other than Bill got more donuts than he really needed, which he used to pay those that stayed around after to help in the cleanup that followed. I have no regrets about spending the evening there and understand that it will be a monthly happening. With both students and local performers from the area there playing for the audience, it proved a good showcase as well for new and rising talent. It is certainly something to keep in mind for something to do.

Tomorrow the Children's Series of the UW Arts Centre comes to a close with Jim and Rosalie, with 10:30 am, 1 pm, and 3:30 pm performances. Using song, humour, puppets and stuffed animals, they deal with themes to which their audiences have little trouble relating. Tickets are \$3.50 (\$3.00 students and seniors) from the Humanities Box Office.

Next Wednesday at **Cinema Gratis** the movie **The Man Who Would be King**, with Michael Caine and Sean Connery (if I remember right) is showing. The story of two deserters from Her Majesty's army in India who flee to Afghanistan where they become God and His aid to a tribe (Sean Connery is the supposed god (some women will swear to it) when one of the tribe's arrows hits him in a notebook he is carrying inside his uniform jacket (right over his heart). The natives, realizing that an arrow hitting him there should kill him, and yet he is totally unharmed, naturally conclude that he is

superhuman (some women will swear by it)). A popular movie for both First Choice and Super-Channel, it is a terrific feature at an excellent cost at 9:30 in the Great Hall of the CC.

Fed Flicks this weekend are **Airplane** and **Airplane II**, and are of course superb if you feel like just going out and tearing your sides open laughing. Admittedly, neither movie has much redeeming social value, but do you really care when you are laughing yourself silly? If you get a chance this weekend, go out and see them, but get there early as there will not be a second showing and lineups this term have been terrible.

Next weekend's Fed Flick is not quite as good. For some reason they are showing (horror of horrors!) **Staying Alive** the most recent John Travolta attempt to learn some real dancing. As I never liked disco (my high school ostracized anyone who saw Saturday Night Fever), I am not going to even touch this movie. You be your own judge on this one (but don't say I didn't warn you!).

Next Saturday sees a benefit evening for the Gilbert & Sullivan Society, Waterloo Regional Branch, with the performance of **An Evening with Gilbert & Sullivan**. This show will have favorite moments from past performances, along with a new production: **Trial by Jury**. Tickets are at the Humanities Box Office and are \$7.50 or \$5.00 students and seniors. The show will be on Saturday, February 18 at 8 pm at the Humanities Theatre.

The week after **The Man Who Would be King**, Cinema Gratis will have a double feature starting at 8 pm with **Everything You Always Wanted to Know About Sex** and followed by **A Midsummer Night's Sex Comedy**. If I remember correctly, both are Woody Allen movies. I never have found Woody Allen funny (except when he pulled Marshall McLuhen out of nowhere to win an argument over the meaning of 'The Media is the Message'. That was an original way to win an argument), and so I leave it to you to judge whether you feel this twin bill to be worth the time.

The last entertainment note is that **math-NEWS** volume 34 number 3 comes out on February 17. At press time for this issue, the tentative articles for number 3 included some views on the campus, university life, and even native rights. In a departure from the tried and true formula of the past, the next **mathNEWS** may be somewhat serious.

MathSpeak

Here's this issue's installment of "brave new words", intended for use in the widest variety of situations. All readers are encouraged to expand their vocabularies or merely to laugh.

unsober - the opposite of sober, in Newspeak; the condition of those who returned from LATESHOW Rhursday AM.

YAK - not your average Himalayan goat, but rather the surreal isomorphic manifestation of quantized bit errors in pudding synthesis.

unpassed, unattend, unadd - the opposite of pass, attend, and add (esp. add a course); useful Newspeak euphemisms for fail, skip class, and drop the course, respectively.

seminate - opposite of disseminate; to recall all the ideas you ever had from everyone who ever listed to you.

emble - opposite of dissemble; to put a thing (eg. 6809 machine code) back together after being put together and taken apart again.

frizzly - generic name for a Bombshelter frisbee after last call.

Terminal Man - an unfortunate Mathie who has been joined at the hip to an IBM 3278 or VC 404; sometimes euphemised as "unfree to move".

IG - undefined generic term for the unconcept of a peeled balloon; found in the great Hindu word "Rig Veda" but forbidden in "the Upanishads" and "Bacon, Lotus and Tomato Sandwich."

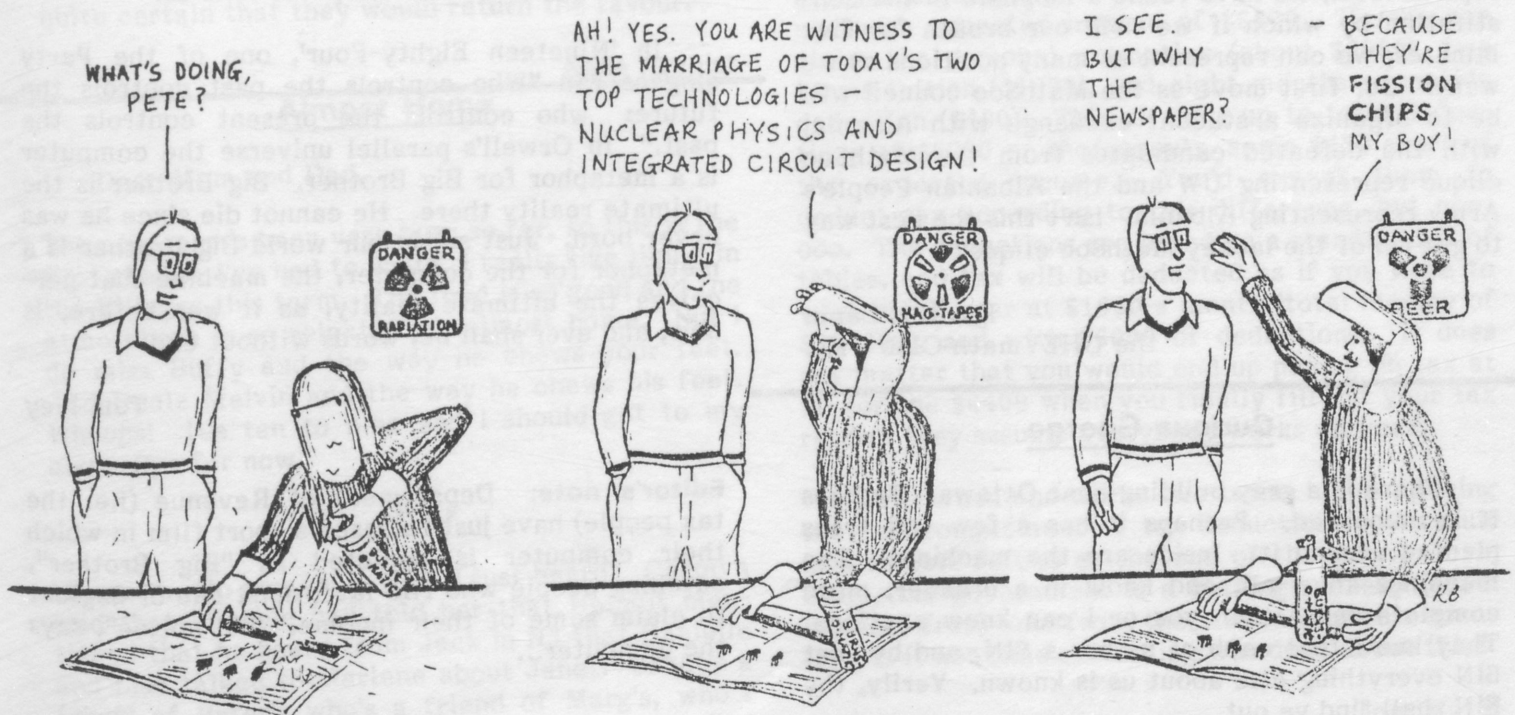
giraffitti - graffitti written ten feet up from ground level on the side of the MCMath building.

Mattammorphosis

For the benefit of those not reading math-NEWS last term, a synopsis: early in the term, after registration, Matt the Mathie (in real life, Matthew J. Burns) was informed that he had already taken enough courses to graduate! He matriculated with some reluctance in October, but after landing a job in some god-forsaken spot out west, he realized his true calling was here at Waterloo.

The result, as you see here, is Matt as a grad student:

SECOND - DEGREE - BURNS



the CHEVmath

Here is the Communist math paper with an article on the MathSoc elections. Once again, the imperialist running-dog lackey monopoly capitalist exploitive clique at MathSoc has manipulated nominations to ensure that only a select slate of 'acceptables' (ie. puppets of the monopoly capitalist imperialists and the CIA) have been allowed on the ballot. All of those progressive minded, true-socialist, student-liberating candidates who came to the MathSoc office on the last day of nominations found that after 6:30, MathSoc was locking out all people, and on the following day (Tuesday), a long list of complaints were filed against MathSoc for improper election procedures (We would have had our nominations in earlier, but we were trying to get some Mathies sufficiently drunk at the BombShelter to nominate us).

By the advice of the CPC-ML (Confused People of Canada - Mighty Looney), we state unequivocally that we receive no funding from the CPC-ML, only the KGB. The fact that we aren't on the ballot has never stopped us from taking power in the past, and we now ask you to defend your basic interests and vote by writing in on your ballot the following names:

President : Ignatius Lenin
 Vice President : Vladimir Jones
 Treasurer : Ivan Stalin
 and for your term reps:
 Jack Andropov
 Clyde "Chico" Marx
 Boris Smith

Don't worry about there only being three term reps in total; we have found a loophole in the constitution by which if we hold our breath for five minutes, we can represent as many positions as we want. Our first move as the MathSoc council will be to organize a student exchange with Albania, with the defeated candidates from the MathSoc clique representing UW and the Albanian People's Army representing Albania. Isn't this the best way to get rid of the lackey MathSoc clique?

Ignatius Lenin
 the CHEVmath Club - ML

Curious George

There is a grey building near Ottawa. Perhaps it is unmarked. Perhaps it has a few tall trees planted around it. Inside are the machines. The machines know all, and know in a broader, more complete sense than you or I can know anything. They know that each of us has a SIN, and by that SIN everything else about us is known. Verily, thy SIN shall find ye out ...

The computer is the most general-purpose tool known to man. It is part of a long illustrious chain of inventions and discoveries. Before it came gunpowder, electricity, atomic physics, and bio-chemistry (among many others), leading to the machine gun, electroshock, thermonuclear weapons, and biological warfare. No tool is evil (or amoral) by itself, but all tools can be put to purposes that are plainly evil (or at least ungood). The computer is no exception.

How can a computer do good or evil? It is just a fast idiot, executing the same instructions thousands of times a second without learning, drawing conclusions, planning, or making judgements. Its behavior is purely deterministic, and nothing is hidden from us. But the idiot/savant does its work so fast that its very existence demands that we use it more and more. In our struggle to feed the Moloch/Computer, our society becomes meshed with the operations of computers. Patterns and restrictions we place on computers become patterns and restrictions placed on us. If you want a picture of the future, imagine a computer stamping on a human face, forever.

The computer is a shard of 'Nineteen Eighty-Four' fallen to earth. Along with power over us we have given it power over knowledge. As a trivial example, whose word do the librarians in EMS take when there is a problem with patron identification? The computer's, of course. If the computer decides that you are not registered, you indeed are not registered at this university. Our perception of the past and the present is not determined by us but rather by what the computer tells us.

In 'Nineteen Eighty-Four', one of the Party slogans ran "Who controls the past controls the future: who controls the present controls the past." In Orwell's parallel universe the computer is a metaphor for Big Brother. Big Brother is the ultimate reality there. He cannot die since he was never born. Just so, in our world Big Brother is a metaphor for the computer, the machine that perceives the ultimate reality, as it was before, is now, and ever shall be, words without end.

Tom Ivey

Editor's note: Department of Revenue (i.e. the tax people) have just released a short film in which their computer is depicted as "Big Brother", catching people who file late, don't file or neglect to claim some of their income. "I'll notice", says the computer...

We Need a Good Nuclear War

It has been quite a while since the world last took some time out of its warmongering and jockeying to beat each other's brains out. Every time you turn on the news, however, people on one side are screaming at the top of their lungs at the other among themselves (the superpowers), while the other side is screaming at both of them not to fight. Tempers are getting so hot that any dream of avoiding war is a simple fantasy.

Now everyone is complaining that the other side, or both sides, have too many nuclear warheads. How are we to bring that number down? Simple, use them, that's how! If we fired them all into space and the Soviets and Chinese did the same thing, then there would only be a select few in bazookas and the bellies of B52s or MIGs on each side. No one would then have the necessary number of bombs needed to destroy civilization 30 times over.

But then the generals would start arguing that they need more missiles again, and two weeks later, we would be back at the same old position. The only way, then, to ensure that they or those under them don't ask is to get rid of them, either by disbanding the armed forces (which isn't going to happen), or by getting rid of the other side's armed forces and any possible reserves (NUKE 'EM!!!). Actually, it would be of little trouble to use the missiles to get rid of our own generals and armed forces, if it weren't for the fact that we couldn't really be sure that the Soviets would disarm as well in this manner. As a result, we would need to use the missiles of the western powers to disarm the eastern powers, and I think we could be quite certain that they would return the favour.

Anne Archist

Almost Home

Dear Mom and Dad,

The new term's been very busy so far, so this is the first chance I've had to write. I really like living in the Villages this term. The food is so good and the atmosphere is so relaxing it's almost home. But I do miss Buffy and the way he chews your feet. And Uncle Melvin and the way he chews his feet. Whoops! It's ten to nine and I should get to my class. Bye for now.

* * *

Hi again. Do you know what I just heard? Carolyn said that Michele had told her that Helmut mentioned that he heard from Jack in N3 that Danielle and Lisa talked to Marlene about Janet! Janet's a friend of Peter's who's a friend of Marg's, who I met in Grand Bend last summer. I guess you had to be there, right?

Aside from the social life here, which you see is getting really hectic, work isn't too bad. I've handed in all my assignments so far, but I haven't got any of them back. We don't have any assignments in my Psych course, but the Prof is signing us all up for experiments. It should be really interesting.

That's about all the news for now, so I'll be signing off. Give Herb and Ross and Fred and Paul and Bill all my love.

Your daughter, Belle

P.S. Please don't sell my bed!!

Editorial

Despite **mathNEWS'** policy to refrain from editorializing, here is one on an issue students are definitely getting short end of the stick on.

When one of us (you, me, anybody) starts his/her co-op job, we all fill out a nice little form provided by the folks at Revenue Canada. It asks us about our expected exemptions as well as our expected income for the year. Now, that's all fine and dandy if your deductions add up to more than your income, but if they don't, you will have disproportionate amounts of tax deducted off your paycheques. Naturally, they will refund all this when tax time rolls along next year, but you will end up waiting about a year before **you** get **your** money back. Is this fair?

Take, for example, a student (co-op or otherwise), who will work one term this year, and make a reasonable salary of \$1600 a month. That adds up to an expected income of \$6400. He/she can claim the personal exemption (about \$3950), two terms tuition (\$1600), and eight months education deduction (\$400). This all adds up to total deductions of \$5950 or thereabouts, some \$450 short of the expected income. You'd expect them to deduct tax according to this difference, but nooooo. The deductions are based on a standard set of tables, and tax will be deducted as if you were to work a full year at \$1600 a month (total income of \$19 200), and with \$6000 of deductions. It does not matter that you would end up paying no tax at all for the \$6400 when you finally fill out your tax return: they assume everybody works all year.

Even when one works two terms a year, paying the full complement of tax deductions will result in a sizable refund at the end of the year. Obviously, the government is getting a cheap (read: interest-free) loan from the students of this country. Is it not time something was done about this?

Tom Watts

ElseWhen

mathNEWS 10 years ago

HEARING TEST

Due to the fantastic reception to the Eye Test in last week's issue, we consulted our Medical Advisor, who came up with this hearing test. As we are under budget this term, we have implanted in the type of this article a miniaturized transceiver which for the period of one week from issue will be activated at a frequency of 7 Hz. If you cannot hear a sound from the paper when placed 14 inches from either ear, you definitely have poor audio response to low level frequencies.

Starting this week, Coffee and Donuts is trying something new. They have two suppliers of kaisers. The story behind this is that two weeks ago one of the Security Guards at the University approached the administration of C & D offering new improved kaisers and Family Sandwiches (subs). The response to these new kaisers was overwhelming, as they sold out by 12:15 every day last week.

As we all know by now, from last Friday's Chevron, the Computing Centre is considering the purchase of a new computer in order to ease the current heavy load on the computing system. Several manufacturers have bid for the contract to install the new equipment, but IBM seems to have the edge, having the inside track since they are the current supplier to the Computing Centre. Another reason that IBM appears to be unbeatable is that the entire staff of the Computing Centre is rumoured to have threatened to resign if a 370/158 is not the new machine to be installed. If, in fact, this is the case, then we must object to this most unprofessional behavior on the part of a group of people who have a greater effect on computing at Waterloo (and as a result, in Canada in general) than almost anybody else.

Golly gee whiz holy cow, but it's getting to be past my bedtime! It seems that this issue is taking forever to get its act together; and DCS has now decided to close down the Xerox at midnight too. Why? beats me --- if you can't read this blame DCS. Staph phor this ish:
 (authors) Tom Ivay (riddles/george), Scooter! (war,WATzat), Marcel (entertainment), Tom Watts (ed.), Vainamoinen (movies,tape(canned)), Ross (burns), Fraser (xword). (production) Alfred (mgr), cary (layout), Watts (typing,layout), Saeed (pasteup), Stewart (cover), Ernie (typing (and writing too (elections))), Scooter! (layout, calendar). And forget the pepperoni next time! at 0119 hours it is time for ... % logout

Prof of the Bi-Week

Dr. J. Wainwright
 B.Sc (Natal), Ph.D (South Africa)

Selected unanimously to be the first Professor of the Bi-Week, Dr. Wainwright started at UW in the newly formed Math Faculty in 1967, after graduating from the University of South Africa.

Of a distinctively cheerful and energetic nature, he works in the Department of Applied Math on his personal field of interest, Einstein's theory of relativity. This theory, which is based on the branch of mathematics called differential geometry, describes gravity in terms of the curvature of a four-dimensional space called "space-time". The theory has applications in astronomy (planetary orbits), astrophysics (neutron stars and black holes), and cosmology (the origin and evolution of the universe. Another interest is the wide range of applications of mathematics, as taught here at UW, that may be applied to real world problems which arise in research and development work in industry. He is known to frequently share this interest with his students. He observed that a difficulty in studying math is that many people are often unaware of its applications, which can reduce one's interest and motivation, a problem we have all encountered at some time in our studies.

Born in the Yorkshire area of England, he and his family moved to South Africa when he was six. Although the main school system was segregated, the universities don't support apartheid and hence non-whites also attend, but in limited numbers due to government restrictions. Dr. Wainwright did note that our school system is less strict and offers more extra-curricular activities, a point also noticed by his sons, Andrew and Martin, a couple of years ago when he took a sabbatical back there.

Not one to be totally engrossed in math to the loss of all other activities, Professor Wainwright finds time in his schedule for jogging, skiing, some mountain climbing, and most of all, being a good family man. Dr. Wainwright, mathNEWS salutes you!

Time: 84/02/01 01:46:20

Options: Pitch 17(SIze 08) LPI 06

Cryptic Crossword

by Fraser Simpson

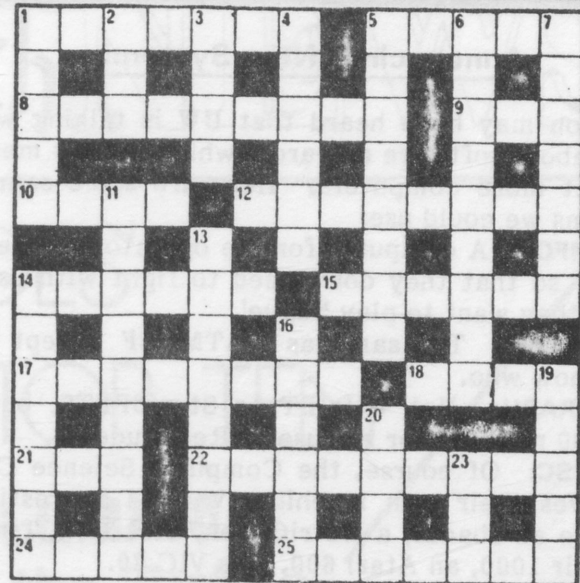
Solve this crossword as you would any other cryptic crossword. Solutions should be submitted to **mathNEWS** no later than February 12th, 1984. Prize: Math 83/84 T-Shirt. Winner will be announced in the next issue. Last week's winner: Ken Sulston. Pick up your prize in the MathSoc office.

$dy/dx = 0$

1. Jumping around with expectations about a piano. (7)
5. A girl is on the front of a magazine. (5)
8. Regretting the new alignment. (9)
9. One aviator. (3)
10. Has a point fixing the window frame. (4)
12. Stayed alive without the bread. (8)
14. Good man at the front with us following in order to get a position. (6)
15. Made fun of French jets, perhaps. (6)
17. Tolls mixed in for each surveyor of public opinion. (8)
18. The last letter incorporated the abbreviation of 'element'. (4)
21. An embrace that's almost gigantic. (3)
22. A mushroom is an amphibian's hammer, perhaps. (9)
24. Observed, we hear, and quoted. (5)
25. Great joy to be expressed when the relation is beheaded. (8)

$dx/dy = 0$

1. Small apartments in Hungary's capital lose out. (5)
2. Chart that's taken up by a girl. (3)
3. Hotels in opposite directions. (4)
4. Swelling in the neck: it will be surrounded with blood. (6)
5. Where the coal might be put for disagreeable people. (8)
6. Father gets hit, strangely enough, with Italian food. (9)
7. Note fixed or changed. (7)
11. The leading actor: frivolous and not very illuminating. (9)
13. Pumped up and slated to fall apart. (8)
14. Father comes up to mix chips about like a certain Greek poetess. (7)
16. Two directions to get identical seeds. (6)
19. Part of your insides that could cause you to stop. (5)
20. Continent is being written up in the first letter twice. (4)
23. Robing holds 10. (3)



Answers to last issue's crossword:

- Across:** 1. braille 5. drift 8. splinters 9. toe 10. cast 12. strained 14. scrubs 15. active 17. abandons 18. snap 21. lei 22. esplanade 24. right 25. recedes
- Down:** 1. basic 2. all 3. ling 4. events 5. distance 6. intention 7. treadle 11. screaming 13. obedient 14. smaller 16. sniper 19. press 20. tale 23. and

MATHSOC ELECTION RESULTS

First the exciting news! Our three 2A Co-op Class Representatives are Lisa Seabrooke, Kevin Mackay and **mathNEWS'** own Cary Timar. Poor Greg Ruddell did not get a seat.

For those of you less than excited about these there are plenty more results worth cheering about. Jane Dunlop and Lida Cepuch were acclaimed as the 3A Co-op Class Representatives.

It was a hot race for the 3B Co-op Class Rep, with Corine Duncan defeating both Christine Allan and Ian Smith. Meanwhile Kelly Masterson was acclaimed as the 4A Co-op Class Rep.

For those of you still in first year here's some exciting news. Brian Fortune was acclaimed the MathSoc Treasurer. Anne Kristensen defeated Dave Lyng to become the Vice President and Ross Morrissey defeated Tim Hill to become President. The Throne Speech occurred on Wednesday. MathSoc would like to thank the 345 people who took the time to vote.

Meanwhile in a cubby hole across from the Tutorial Center the Waterloo Science Fiction Club has been holding its own elections. Rob Ferguson was elected President, Wayne Daw was elected Secretary of War, Rick Buzzeli was elected Treasurer and John Tauro was elected Secretary. Remember the office is nearly always open so don't forget to drop off your short story.

Announcing: New Systems

You may have heard that UW is talking with DEC about software research, which usually means we get more computers. Here are some sample systems we could use:

WATMFCF: A computer for the operators alone at MFCF so that they don't need to fight with users when they want to play 'rogue'.

WATPROFS: The same as WATMFCF except for you know who.

WATTRASH: Not WIDJET or StupidPETS, but a TRS-80 network for the use of Rec students.

WATCSC: Of course, the Computer Science Club deserves their own machine. Various suggestions include an abacus, a MetriCanon, a TI 30, a Timex Sinclair 1000, an Atari 600, or a VIC 20.

WATSUP: The bun-box running outside MFCF has always seemed to me as something that likely eats up a lot of computer time. A small machine such as a DEC PRO 325 could monitor not only WATBUN and WATMATH but also WATROSE, WATDAISY, WATCGL, WATDCS, WATDCSU, WATBANK, WATCSG, microNET, JANet, and any of the new systems.

WATNEXT?, WATELSE?: These systems could be JANet on rooms of DEC Rainbows with MS-DOS for first year students, as these names are frequent questions they put forward.

WATUSEISIT?: Actually, this already exists as Student CMS on WATDCS.

WAT'SWAT: This machine should be a permanent encyclopediac database to make such things as the massive UW collection of periodicals more accessible.

WATISIT?: This name should be reserved for when the University begins designing its own revolutionary super-computer.

WATGRAHAM: I think Professor Graham is one of the first to agree that he should have better access to the computer systems, so we feel he deserves his very own VAX-11/780 for his new position.

WATmN: This is the only way we can see to cut down our annual computer costs of over \$3000. A simple little VAX-11/782 running UNIX 4.2bsd (I know VAX/VMS 3.4 better —Scooter!), with 6 DEC VT240 terminals and 450meg of disk space, as well as our own Xerox 2700 printer (or whatever gets hooked to WATDCSU that does a better job) would ease the harrassment we cause the users and operators of the other systems. We could pay operating costs by selling time to play 'Rogue' to WATSFIC next door.

-Scooter!

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Personals (Impersonals)

SEX under the Sword of Damocles. Are you in danger of getting those vital members severed? Bullet-proof chastity belts now available from WATBUT in CPH 6011.

The wenches of E3 want a lot of things.

ELECT Ignatius Lenin as Fed President. You'll never live to regret it.

Help stamp out and abolish Integration. Leave those DEs unmarred and unsolved. Contact the Anti-Integration Alliance, MC 3032.

Bino: Happy 64th Birthday. Hope you like your fantasy (Camille).

Used VAX 11/780 for sale. Contact Tom at WATSNU.

Bunny Fru-Fru: quit oppressing those proletarian field-mice!!

Are you ready for Hate Week and the Carousel of Violence?? More information and cheap literature available from Paul Azazoff, CPH 5010.

Want a new experience? Hear "Proper Nouns/ Perfect Verbs" in Greenroom, ES2 at 12:30 Tuesday. (Time travel is a must - unEd.)

Lost Grey K-Way at V2 Mazola Party. Call Dave, 666-5678.

Nancy - How about a gopher? Ask me first before you ask K.

K-Way found, drenched in corn oil. Claim from V2 Cleaning Staff.

Tired of looking at those bare walls, guys? Get a 'Dogs of Waterloo' Calendar for some inspiring landscapes.