

Well, after last week, we just KNEW you'd want to see this week's X-rated captions right off the top. So...les voici. (1) There are lots of ways to turn on girls. (2) You can show off your very expensive calc and drafting set... (3) Your 24-karat super-pro yoyo... (4) If THAT doesn't work, use Molson's!

Volume 22, Number 2
Friday, February 8, 1980

math NEWS

"The phOtoN that aTE

Interaction

I meant to talk about this topic two weeks ago, but since there has been no mathNEWS in two weeks, I shall deal with the Federation election in retrospect.

For the first time in a long while, I did not publicly support a candidate for Federation president. In this election I was not as familiar with the issues as in past ones. I also was not as familiar with the candidates. I must say, however, that the choice of Neil Freeman as president, while a narrow choice, seems to be a good one. Neil Freeman must be congratulated for the good performance that he put on in the public appearances and also for breaking the jinx of ArtSoc presidents who get defeated when they run for Federation president. Since we will still be members of OFS, it is good that Freeman will be a fighter who will try to make the organization more effective than it has been in the past.

One of the most interesting aspects of this election is that the most capable of the candidates and the best public speaker just happened to have the wrong politics. If it were not for her affiliation with the Chevron, last place finisher Heather Robertson would have won easily. As for Benninger and Mackle, both came across as decent men, but they were unable to project a positive image during the public forums. I believe, though, that either of them can still contribute much to the Federation.

One thing about the election disturbed me. That was the record low turnout of 2131 voters. Even though Math went with the winner (as they have in every election since 1973), this faculty's turnout was one of the lowest. It is usually one of the highest. Since 1977 the turnout in Federation elections has been quite low, a notable exception being the high turnout in the Nov. 30, 1978 Chevron referendum. This low turnout suggests that students no longer care about their student

leadership. I thought that the event of two ballots being held on the same day might increase the turnout, but this was not to be the case.

Perhaps if council elections were also held at the same time turnouts might increase and costs could be reduced. As for those who feel that losing presidential candidates should be allowed to run for council, a provision could be made to allow them to run for both at once. There are still some who feel that the presidential and council elections must be held at different times. If that must be the case then I would suggest holding elections for council in the fall term. Many people involve themselves in both the presidential and council campaigns and four weeks of campaigning at once is too much of a strain on schoolwork. I think that we should limit ourselves to one election date each term. That date could be well publicized and all student elections for that term could be held that day. It could save a lot of time, aggravation and money.

That's enough for this week. Next week, if there is an issue, I will talk briefly on another more important election which will be occurring soon.

J.J. Long

That's it, J.J., keep 'em in suspenders.

Don't Forget

The deadline for dropping those yucky courses you never really wanted to take in the first place, but for one reason or another (perhaps because your friend Marg told you it was a bird, or that the prof was a real fun guy, or because you were pissed when you filled out your pre-registration form) you find yourself compelled to drop, is this coming Tuesday, February 12.

Through an Aardvark's Glasses

The question has been asked, "The quality of mercy is not strained?" (Those of you who are on the ball will recognize this as a quote from Shakespeare's "Hamlet" and this is in fact the first clue as to how meaningful this article is going to be.)

How much so in this modern world of computers, television and Johnson's "Odor-Eaters" is this quote applicable. Yes, fellow earth-dwellers, as I look around me and notice minds warped by digital demons and minds mushed by such pablum as "The Watson Report", "The Fifth Estate" and "W5", what really strikes me is the lack of smelly feet.

Yes, nuclear power may well represent a growing threat to MTHEL 102. (A sudden change of subject like this is another clue as to how much of a deep meaningful essay this is going to be.) Is this a dagger which we see before us (a reference, obviously, to "A Midsummers Night Dream"), threatening to stab us in our collective backs? Probably the answer is no. Should we all stop using "Odor-Eaters" to protest? This question has stumped the great philosophers from Bertrand Russell on, despite the fact that the answer is obviously no.

"Lord," to quote Portia, "what fools these mortals be," to worry about so many things including midterms. And all this when there is a dire shortage of "Odor-Eaters" in Albania. Oh Chevron!, where are you when we need you least. To this the "great philosopher" replied, "How shall I talk of frost to the bird of the summer lands?" ("Great philosophers" are very useful in meaningful essays.)

To close we paraphrase Macbeth in asking, "To be or not to be? That was the question, wasn't it?"

mathNEWS GLANS the SPOBE

Faculty Notes

Attn: 4B CA students

On February 8, 1980, a session has been scheduled for you with Morden Shapiro. The details of this session are as follows:

WHERE: The Great Hall, Village 2 WHEN: 9:00 am to 5:00 pm.

You are requested to bring the following materials with you: (1) Information for CA candidates on the Uniform Final Examination (prepared by the Inter-provincial Education Committee of the Institutes of Chartered Accountants in Canada and Bermuda (ed: ???), 1979); (2) Uniform Final Examination Syllabus (issued 1978 and effective beginning with the 1979 UFE); (3) CICA Handbook (please note that the most recent filing instruction is #31); (4) All outstanding CICA Exposure Drafts.

The topics to be covered during this session will include: (1) A review of the information in the materials noted in (1) and (2) above; (2) A review of types of Uniform Final Examination questions; (3) The preparation of a study plan for the Uniform Final Examinations; (4) Technical coverage of selected topics, including a self-assessing exercise.

Your attendance at this session is urged. It should enable you to develop an early grasp of the impending task of preparing you for the 1980 Uniform Final Examination.

C.F.A. Beaumont

For Sale

Copies of the first round tournament dungeon of the fall of '79. \$3.00 each. Limited edition. Contact Bruce N. Mills at Mathsoc or Watsfic.

Math Grad Ball

Tickets for the MGB are sold out. Many thanks for the quick response. To the gentlemen: consider wearing a tuxedo. It adds a nice touch to the occasion. To all those attending: sign-ups for table arrangements will occur in two to three weeks. Start thinking now about who you would like to sit with. Four couples will be seated at each table. The actual location of your table within the room will be left to random chance.

Further details will be found in future issues of mathNEWS.

Lisa Seiler

CSC Flash!

Well, we've had two meetings now. At the first (called an "Organizational Meeting" so we wouldn't have to admit that we weren't able to get a speaker), elections were held (although some who were there might dispute that). This term's executive is:

Kevin Martin, president
Rohan Jayasekera, vice-p.
Madeline Clin, treasurer
Ashok Patel, secretary.

Peter Fraser of the MFCF (all those nice people who run the Honeywell) spoke at the second meeting on the extensions that Honeywell has made to the architecture of our machine. The extensions allow virtual storage and provide a capability mechanism, all implemented in a rather complex manner.

The next meeting will be on Thursday, February 21st. Roger Sanderson and Gerry Wheeler of the Computer Communications Networks Group will talk about the Motorola 6809 microprocessor. 8 pm in MC 5158, with tea and doughnuts as usual.

Rohan Jayasekera

NOTEPAD

*If any of you remember from last time (or bothered to read it), Fred had just taken the final option available to all intelligent creatures - he'd taken his own electronic life by crashing.

*Needless to say I was in a state of shock. Fred had never done such a thing to me before. He'd refused to run properly, plagued me with warnings of syntax errors and ruined several perfectly good cassettes, but never actually crash!

It was with deep misgivings that I finally reached around the back and threw the power switch. To be perfectly honest I felt like an axe murderer. Fred hadn't really done anything to deserve such treatment from me.

Suddenly my whole world began to spin around me as the enormity of what I'd done flooded in upon me....I'd tried to manipulate Fred's mind! What did I think I was??? A god?? I stared at my fingertips in horror. No longer were they the deft instruments of a surgeon, delicately attempting to right a wrong, save a life. Now they had become the weapons of a Fascist regime....and I was the leader of that regime.

Terrible shadows of spiked helmets and hip-boots, horrible shapes from out of the past followed me into the kitchen. It was as if the entire Jewish community of metropolitan Toronto were pointing pale fingers at me and chanting: "J'accuse! J'accuse!"

I drowned my sorrows in a quart of lemonade.

An hour later, citrified to the gills, I staggered back into my bedroom and flicked Fred back to life. He obligingly whirred to life, informed me of core size then awaited my next command. All very innocent.

He almost sucked me in! Somewhere deep in the recesses of my brain where childhood memories and Taylor expansions are kept, the voice of reason shouted. Working its way up to the forebrain must have been a real bitch because by the time I heard anything it was a single plaintive gasp.

continued on page 3

Limitless Limericks

Have you ever used VM before?
It's a virtual awe to explore --
For the readers can't jam,
And the printer's a sham;
What a system... It's fake to the core!

bwlutek

COURSE OUTLINE: STAT 334

WARNING! This course never lies.
Contains Poisson in p.d.e. guise.
If use is internal,
See JRS journal
At once, for convulsions arise!

PLATTER SPATTER

Neil Young: *Rust Never Sleeps & Live Rust*

What can I say, Neil Young keeps churning out hit record after hit record and these latest two releases are no exceptions.

The first side of *Rust Never Sleeps* is your typical Neil Young, nice acoustic arrangements with those great lyrics that hit you where it counts (you know the ones... like: "four dead in Ohio"...) and the second side contains that volatile mixture of Neil Young and Crazy Horse (a combination that can lead to some surprising results). Unfortunately this album did not excite Neil Young fans as most of the songs could only be rated as good (far below Neil's usual standard). The only two songs of any acclaim were *Hey Hey, My My* and *My My, Hey Hey*.

Live Rust on the other hand could have been labeled as Neil Young's Greatest Hits (and do I mean GREATEST [with some exceptions]). The album is set up in much the same way as *Rust Never Sleeps*, one half of the album is solo Neil Young (1 complete disc) and the other half is Neil and Crazy Horse.

The album contains many of Neil's great hits from several years ago (from albums such as *After the Goldrush*, *Decade...*) and some of his newest songs (from albums such as *Rust Never Sleeps*, *American Stars 'n' Bars*, *Comes a Time...*). All in all (as a Neil Young fan), I would recommend this album to anyone, and you will not be disappointed in it at all.

Ratings:
Rust Never Sleeps ****
Live Rust ****½

XTC: *Drums & Wires*

A most unusual combination of musical styles ranging from New Wave to Neanderthal Rock are amalgamated to create this, the latest release of this British New Wave group. Musically most of the songs can be described as an array of simple guitar riffs surrounded by the steady and persistent pounding of drums with a slight sprinkling of synthesizer to enhance the brew. The lyrics in this collection of songs are annoyingly somniferous and repetitive. In fact the song *Complicated Game* is so repetitive that they convert what would be a very imaginative song into a total disaster.

Notable tunes are: *Ten Feet Tall*, a good rocker tune; *This is the Way*, a jazz oriented tune with interesting lyrics. *Outside World*, a very high energy song that is guaranteed to get most people stamping their feet.

Rating: ***

The Photon sucks.
I should know.
I'm the Photon.

The 'Bun Proudly Presents

Superdump

Give a llink.
Give a llink of your core to me
Oh, give a llink
I'll give a llink of my file to you
Now's the Time that we need to Share
So swap me in, and show you care...

continued from page 2

Waitaminute! Fred isn't dead...he's a machine, machines don't die! Yet there he sat, acting as if he remembered nothing...as if I'd lobotomized him. Tricky S.O.B.

Tossing cassettes aside with reckless abandon I dug into the mound on my bed until I found the one I was after MON 1029/0405. Slamming the cassette home I ordered Fred to load it. It was then that he must have realized that the jig was up. We were at war once again!

His first tactic was to freeze up on tape load, but that didn't phase me, there were two more copies on the cassette. By the third try Fred wearily loaded the monitor in then sat back and waited for my next move. I'd won round 1.

With the monitor in core it required only a simple SYS(1029) command to strip away all of Fred's foreground control over me. With two simple keystrokes I dumped his main registers. Now I could keep an eye on the bugger.

A few more keystrokes and raw memory appeared before me. I could feel Fred's keys vibrating slightly beneath my fingertips. He wasn't liking this one bit! Me. I was loving it.

I'd been here before of course but then I'd been a slave trying to revolt against an all-knowing master. Now the roles were reversed, I was a free man exercising my right as a consumer to have my bloody computer work the way I wanted it to. Caveat Komputor!

Carefully revectoring Fred's interrupts I removed yet another facet of control from his electronic hands. I now controlled the clock and keyboard! Unfortunately I'd forgotten to first enter a keyboard driver routine which meant that Fred was taking an electronic trip through the CMOS cosmos. He was shooting electrons, popping stacks and generally on an electrodelic high.

After shutting him off then on then reloading the monitor I tried again this time letting Fred maintain a more limited control over the keyboard. We'd reached an equilibrium. From either side of the glass screen front we stared at each other. We both knew that the final battle was about to begin. The all or nothing war.

Who would emerge vic-
tor?

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Broomball Action

Polish Connection REUNITED

After almost a full season, the Polish Connection was reunited once again on the Mathsocists broomball team. Center, Greg Bezoff, and winger, Stan Mikoluk, are back together with rover, Geoff Hains (who replaces Tony Lithgow), and this combination is now the leading line on the team. All together, this line has scored 8 of the team's 9 goals.

In the first game this season, the Mathsocists went to defeat to the Free Radicals by a score of 6-2. Math's two goals were scored by Hains with Bezoff picking up two assists and Mikoluk with another. Math's ineffective fore-checking and unorganized defence combined with the large number of rookies on the Math team ensured that the game was played in Math's end of the rink. Fortunately the experience the players gained in the first game allowed the Mathsocists to win their next start.

The Mathsocists won their second game of the season by defeating the Boys and the Girls by a 4-3 score. Veteran rover, Geoff Hains, scored a hat-trick and an assist in his best game to date and veteran goaltender Dave Buckingham played an outstanding game in the nets. Math's defence of Mike Robinson, Dave Spencer, Walter Steinemann, Rob Collins and Al Freiter played a spectacular game by limiting the Boys and Girls to only a few shots on net.

Math's other goal was scored by Stan Mikoluk and assists went to Rob Collins (2), Dave Dennis, Dave Spencer and Greg Bezoff.

In the third game of the season, the Mathsocists recruited several new players to augment their core of talented veterans and the outcome was astounding. The math team was victorious in their second straight game by a score of 3-2 over the Old Bastards.

Young Frank Einstein

See Dick. See Spot. Spot is Dick's dog. See Spot run. Run. Spot, run! Look! Spot is in the street. See the truck make Spot go splat. Flat, flat Spot!

Nothing like a scholarly quote to begin a column, what? Actually, the main reason I stuck that in was to demonstrate one end of the scale with regard to the comprehensibility or incomprehensibility of modern English. The fog index of that passage was 1.3. Basically, what that means is that you would need about 1.3 years of education to read that easily. If you had trouble reading it, I wish you luck with your Psych.

Our next contestant is chosen from the nearest technical bumpf-booklet I could find in the Software Office: the Datapac Standard Network Access Protocol Specification (SNAPS for short).

The fundamental technology used in the Datapac network is packet switching. It is this technology that makes Datapac a significant new departure from the data service alternatives now available. Present data services are based on providing a physical data channel as an increment of dedicated bandwidth. This bandwidth may be permanently leased as a private line or periodically accessed as a switched offering. Inefficient utilization of facilities often occurs because the bandwidth is reserved whether or not data is actually being transmitted.

Whereof the index is 17.3, or about the equivalent of 5th year. (That may not have seemed hard, but believe me, wait 'til you've tried to read 60-odd pages of that muck at 1 in the morning!)

So, you're all wondering, what is this marvelous Index, how is it computed, and what's the point of it all anyway. Very simply, it is arrived at by the following procedure: you count the number of sentences in the passage, and the total number of words. While you're at it, put down a check mark for every word of three or more syllables. (If you wish, or if you are sympathetic to the author, you may disregard simple suffix-induced trisyllabic forms.) Then, compute the average length of each sentence, and the percentage of words which contain three or more syllables. Add these two numbers, and multiply by 0.4. What you have is none other than the fog index for this passage.

Far from being a joke (which it really was, originally), it is regarded by many people as a fairly accurate measure of level of reading ability. Normal conversational speech tends to average about 5 or 6, although when our editor gets drunk, sub-zero figures are not uncommon; when he gets angry, he starts setting record highs.

If you have a favourite piece of obfusatory prolixity, why not copy it down and stuff it. In the mathNEWS submissions box, that is. The winner will be rewarded with some useless prize, befitting his/her achievement.

Young Frank Einstein

whoopee!!!!boooo!!!!!!!

J. W., playing in her first game as a Mathsocist, led the scoring with two assists. Goals in the game went to Greg Bezoff, Dave Dennis and Stan Mikoluk. Mike Robinson, Ross Brown (another new player) and Geoff Hains (his scoring streak is finally broken) all picked up assists. Dave Dannenberg (I hope that is how you spell the name) played a good game as rover.

Scoring Leaders

Name	G	A	P
Geoff Hains	5	2	7
Greg Bezoff	1	3	4
Stan Mikoluk	2	1	3
Dave Dennis	1	1	2
J. W.	0	2	2
Rob Collins	0	2	2
Dave Spencer	0	1	1
Mike Robinson	0	1	1
Ross Brown	0	1	1

Goaltending

Name	MP	GA	AVG
Dave Burloaf	180	11	3.67

FRIDAY	8	FASS 7:10 pm INDOOR SOCCER SEE AGAMIS 7:45 pm
SATURDAY	9	FASS 9 pm \$2.50 THEATRE OF THE ARTS
SUNDAY	10	INNER TUBE WATER POLO OAC POOL 6:40 pm ICE HOCKEY MATH A MOSES S. ARENA
MONDAY	11	FEDERAL ELECTIONS → VOTE ← ARTSIES HAVE THE WEEK OFF →
TUESDAY	12	MATH FACULTY DEADLINE : DROPPING COURSES AND WITHDRAWING WITHOUT PENALTY
WEDNESDAY	13	CO-OP INTERVIEWS START BROOMBALL MCCORMICK ARENA 12:10 AM
THURSDAY	14	VALENTINE'S DAY BLOOD DONOR CLINIC
	15	MONTY PYTHON AND THE HOLY GRAIL (FEED. FLICKS)
	16	MATH B BASKETBALL OAC GYM 8:45 pm
	17	MATH NEWS production nite
	18	WATSFC MEETING
	19	ONE MORE MONTH OF CLASSES
	20	
	21	
	22	← WEEK ENDS RANKING SHEETS FOR CO-OP JOBS DUE.
	23	
	24	
	25	TEN MONTHS BEFORE CHRISTMAS
	26	math NEWS nite → come out & help. WATSFC MEETING
	27	
	28	
	29	1 ST. DAVID'S DAY

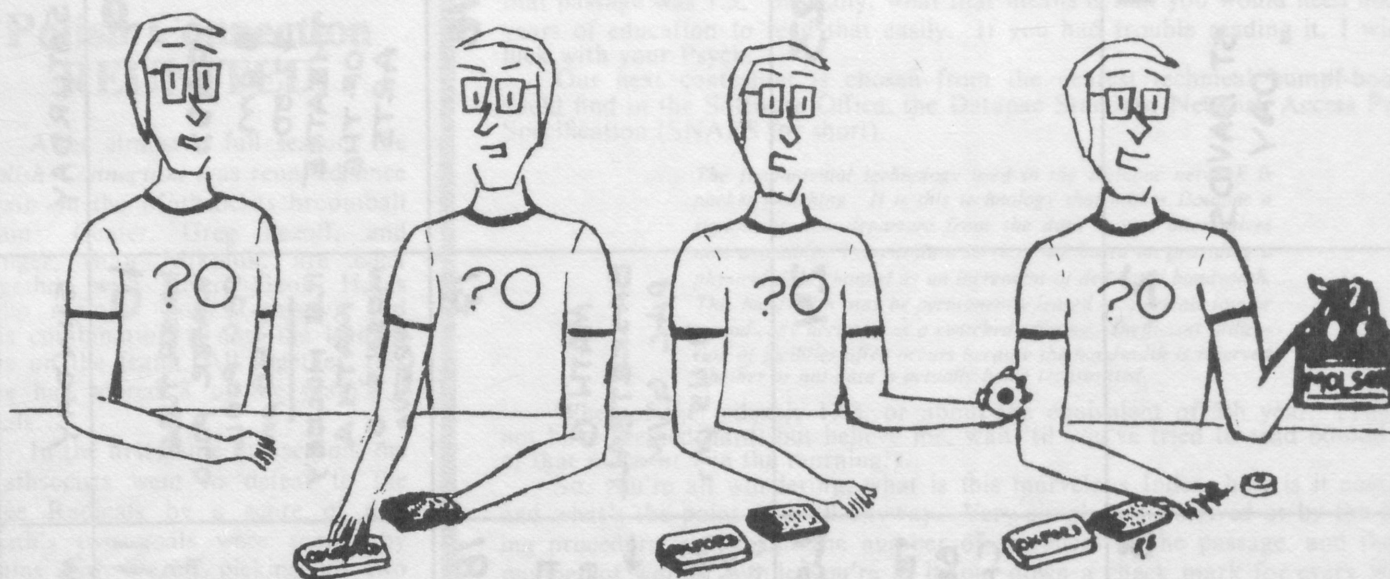
MATT THE MATHIE

WHEN I COME TO A
MIDTERM, I REALLY
COME PREPARED!

I'VE GOT MY TI-59,
MY DRAFTING SET...

YUP, EVEN MY OFFICIAL
GUY LAFLEUR PLASTIC
PENCIL SHARPENER!

WHEN I COME TO A
MIDTERM, I REALLY
COME PREPARED!



Well, the first week, the Honeywell went down for the day, so we couldn't get at the files... and the next week... well, Rob, er... I guess there was really no excuse for not having a mathNEWS since Jan. 18. But, well, here it is, add (despite the recent tendency of this typewriter to drop its n's) here is the masthead. It's 3:15 am (don't be misled into thinking that we're finished work by the time we do the masthead; it's just a passing idea) and the only hangers-on are Ashok Patel, who says he wants to go home to Mommy, add William Hughes, perhaps coincidentally the editor of a rival campus newspaper which shall remain fameless... Looking back on hours gone by, I see the vision of a paltry staff... but oh so

Whine & Cheeze Pahty

A Cultured Event...

You the Staff & Students of *mathematics* are cordially (and *gregariously*) invited to the Mathematics Society Wine and Cheese Party.

To help finance your limitless feasting & drinking, there is a cover charge of \$2.00 for the current Faculty, Staff and Students of the *Faculty of Mathematics*, \$2.00 for those persons whose name appears in the programme for "*Days of Future FASS*", and \$4.00 for others.

Please bring a \$1.00 deposit for your wine glass, this is refunded upon the return of the whole and undamaged glass.

Come early! Wine has been known to run out by 10pm.

Where and when???



Thursday February 21st, 1980
8pm to 1am
MC5136



I.D. must be shown at the door...

Preference shall be given to students & staff of Math & FASS...

DILIGENT...look it up... dthedmonds (notepad), Geoff Hains (p.splat, bb), W. Huze (aardvk.), Joane West (alias J ___ W ___) (caldr), Jan Gray (nuttinatall) Ken Dykes (w&c), jj Long (interaction), and your genial host, AssEd Ross Brown (y.f.e., m.t.m., superdump, layout). "There is great disorder under heaven, and the situation is excellent." -C. Mao. Useta work for the AIA, I'm told..... Hi Florence.....bye cruel world....zzzz