

Pascal Returns

We are not referring to the computer language, but the lecture series. Pascal, as well as being a famous French mathematician who has had a theory and a computer language named after him, was also noted as a Christian philosopher. The lecture series bearing his name will return to campus in early March.

The Pascal Lecture series was started in the fall of 1978 to present the ideas of modern day Christian philosophers. Previous Pascal lecturers were Malcolm Muggeridge and Donald McKay.

This year's Pascal lecturer is Dr. Charles Habib Malik, a philosopher and Lebanese churchman. Dr. Habib Malik has also served as a diplomat in the United Nations. The topic of his lecture is Christianity and the University. Considering the recent upsurge in the popularity of Christian groups on this

campus, a large crowd could be expected for his four lectures and seminars. Admission is free, but tickets must be obtained in advance from the Pascal Lecture Society or the U.W. Central Box Office.

Formal lectures are scheduled for Monday and Tuesday, March 2nd and 3rd, in the Theatre of the Arts in the Modern Languages Building. In addition there will be informal seminar-discussions in the Humanities Building Room 280 at 2:30 pm on March 3rd and 4th.

The Pascal Lectures may be this year's only chance to see a general interest academic lecturer. As of this date no lecturer has been selected for the Hagey Lecture Series (the other annual lecture series, somewhat older than the Pascal Series).

CSC Flicker (small csc flash)

The CSC is now actively working behind the scenes to bring some special speakers to campus, but nothing is firm yet. We are still looking for new ideas for speakers, though: if you know of anyone that is a particularly good speaker, please let us know.

Today at 3:30, starting at the CSC office and moving elsewhere if necessary, the CSC Curriculum Group will meet for the first time to plan strategy and goals. If you have any ideas on the CS curriculum, you are most welcome to attend.

peter rowley

Volume 25, Number 5
Friday, February 13, 1981

math NEWS

GamesFic Meets

Watsfic, formally known as the Waterloo Science Fiction Club (more popularly known as the Waterloo Wargaming Club), met this past Tuesday in MC 5158 (the Colloquium Room). The members present stated that nothing important happened. However one member did request to be deassinated [sic].

In Complex, our prof seems to feel That his subject marauds its appeal From the lengthy assignments (Conformal confinements?)... Indeed, the whole thing is unreal!

bwlutek

Deadringer Report

The Deadringers are back. As Floor Hockey League 'A' champions from this past term, the Deadringers have returned to defend their title. We have played two previous games, a 3-1 loss to the Clapshots and a 3-0 shutout win over the Mad-Asses. The squad is not as awesome as last term, but shows good promise. We have a good nucleus of veterans and a couple of new recruits.

Leading the attack for the Deadringers are: Pierre Lalonde, Mike Turcot, Wayne Hooper, Jim Coleman, Tom Oldfield and Calvin Martin. On the defence we have: Brad Adams, Armand Chiasson, Ray Byam and Ron Sisson. Between the pipes we have Pierre Coupal, summoned from our farm team in Quebec. John Avis is out with injuries and we hope for a speedy return.

In last nights' action the Deadringers

were up against the Youngtimers. We quickly took control and a goal by Tom Oldfield gave us an early lead. The Youngtimers came back putting the pressure on, but the defence was solid. Late in the first half, from the face-off, Mike Turcot passed to Armand Chiasson and he sent a backhand past the enemy ring stopper. The Youngtimers were pressing in the second half and again the team withstood the challenge. Tom scored his second goal of the night to wrap up the game. After the smoke cleared, the Deadringers walked away with a 3-0 shutout victory.

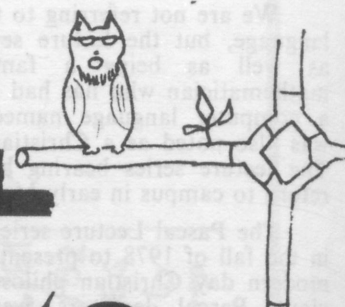
The three stars of the game as selected by Floor Hockey Night In Canada were: Ray Byam, Tom Oldfield and Brad Adams. Our next game is Monday February 16th, 6:45 at Seagram's Stadium.

Army

And now, for anyone who didn't read this term's want ads, we present the mathNEWS

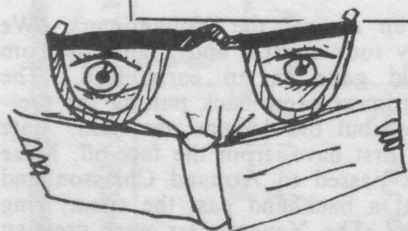


Don't Want Ads



First, some random statistical information. The following is a summary of the number of different jobs plus the total number of jobs available for students in each category. These two numbers are different whenever more than one student is requested for one job description.

CATEGORY	# DIFF. JOBS	TOTAL # POSITIONS
Applied Economics	30	72
Applied Math	20	35
Anthropology	3	7
Actuarial Science	28	46
Business Admin	71	148
Chartered Account	37	59
Computer Science	258	441
English	13	14
Health Studies	66	159
Management Account	39	61
Kinesiology	131	245
Operations Research	30	72
Pure Math	60	155
Political Science	12	19
Psychology	14	23
Recreation	132	231
Sociology	11	14
Applied Studies	16	21
Statistics	29	79



Now, some editorial comments. The information in the headers is by and large quite useful, except for the company who submitted a job description of "Co-op Student". The category LEVEL, however, is worse than useless. It either says "ANY" or some combination of J, I, and S (for Junior, Intermediate or Senior). Unfortunately, it was specified incorrectly in 40 job descriptions, thus ensuing that we will learn not to trust it.

Finally, we present our nominations for awards - actual quotes from job descriptions. The company names have been omitted to protect your feelings.

The BS Award

"Under the guidance of the Operations Support Supervisor, and as a member of the Operations Support team, the student will participate in formal projects aimed at optimizing the production from a resource utilization perspective". (Ed - this means mounting the paper on time)

"If you want to be part of a top-quality development team working at the state-of-the-art level, come and talk to us".

"First work term students are required to work in the media area. Responsibilities include: Satisfying the input requirements for mounting tapes and discs, filing tapes, run benchwork (Ed- whatever that is????), clearing tape drive, working with the main console in the identification of any hardware difficulties".

"Do you like challenging opportunities? If not don't read this ad". (Ed - this ad was also the winner of the Gung-ho Award)

The Keep Us In The Dark Award

"Develops, writes, tests and documents programs as assigned to meet functional requirements, amends or revises existing programs as needed". (Ed - this is the entire ad)

"The work normally involves writing and running original and canned programs".

The So What Award

"The successful candidate will be employed in the corporate head office of This large multi-national company".

"-programming will mainly be on a PDP-10 KC time-sharing system with many peripherals".

continued from page 2

The Oh Really Award

"This position will be of interest to someone with exceptional ethical standards and professional ambitions".

"Self-motivation and maturity are needed to deal with users".

"Under supervision, operate finishing equipment or computer outputs associated with a large computing facility". (- how do you operate computer outputs?????)

"Experience is not essential, however, the ability to identify differences between expected and actual results would be beneficial".

The State of the Art Award

"The successful candidate will have an opportunity to learn many new skills, including the use of 'state of the art' TSO".

"Students may also be exposed to the operation of leading edge peripheral devices such as Mass Storage Systems and Laser Printers". (Ed - WOW!?!?!?!?)

The Variety Award

"ON CLIENT SITE we work with IBM 370's, Honeywell 6000's, Univac 1100, DEC PDP 11/70".

"Our facilities include the full range (Ed - THE full range) of hardware and software: IBM 370-168's, 3031, 3033, DEC PDP 11/34's, 11/70's, MVS/JES 2, TSO/WYLBUR, CICS/VS, IMS DB/DC, S2000, IDMS, COBOL, PL1, BASIC PLUS, MARK IV, etc.". (- winner of the Most Jargon in One Sentence Award)

The Secretarial Award

"1. Issue tax receipts and licences. 4. Type reports and correspondence as required. 6. General office duties as required." (Ed - making coffee???????)

However, there is still some hope. At least one employer has realized that "Knowledge of COBOL is not relevant". Another company has an opportunity for a student to use the programming language C. So does the University of Waterloo, but they say "Programming work will be done in C on PDP-11 VNIIX". (Is that any relation to UNIX???)

So, to all of you who have applied for jobs, good luck. Take heart, maybe the job description is not an accurate description of the job!!!! (It usually isn't!).

Monologue

-with Brad Templeton

"Blessed are the meek, for they shall inherit the Earth.

Blessed are those who support the space program, for they shall inherit the stars."

Ok, I admit it. The first line of the above quote is not mine. The second one however, is, and constitutes the theme of this week's column. (which will be short due to FASS)

March 17 (two days before we go to the polls) is the scheduled date for the belated launch of the space shuttle orbiter. Because of this, and the recent journey to Saturn, NASA has enjoyed some increased public attention as of late. It is my opinion that this may have a profound effect on the spirit, and thus the productivity of mankind.

A lot of people express the opinion these days the the sixties were exciting while the seventies were a drag. During the seventies, many felt they were just living a day to day existence. The world was doing the same, just existing to get the daily job done. Part of this feeling originates in the 'revolutionary spirit' of the sixties. Many felt a certain quality of independence in that period that they do not feel now. The other part, however, has a different source.

As the sixties came to a close, the world (or at least, the western world) had technological "high hopes". Predictions were that the amount known would double every 15 years. By 1975, who knew what wonderful things would come about. Man had walked on the moon, and even bigger things were in sight. Everywhere, money was being spent extravagantly. Research was funded. Universities were built or (like this one) expanded. Everything was on the upswing - what happened?

Well, for one, technology lost some of its high-profile, high-prestige image. People began to distrust scientists and develop a "You've seen one moon rock, you've seen 'em all" attitude. Things that did not give instant voter gratification got budget cuts. Long term planning was naturally hit the hardest by this, and when

you cut long term projects, you are bound to create the feeling of a day to day existence.

During the sixties, the space program was one of the highest profile endeavours of the human race. After Kennedy's pledge, there was a (later uncompleted) race to put men on the moon. This race was, however, more than just a technological achievement; It was the human race actually doing something. The Apollo spacecraft and Saturn IV were perhaps the greatest accomplishments of the human race. They were the culmination of centuries of research and development. Almost every major field of knowledge was used in making the moon shot work. The project was funded by, and thus in a sense the effort of, a great nation of over 200 million people. The sheer glory of the project exceeds any other accomplishment I know.

When Armstrong walked on the moon, the world-wide audience was tremendous. For the first time in the history of man, hundreds of millions of people were all doing the same thing at the same time. For the first time, practically the entire educated population of the Earth was of a single concern. There on the moon, man was doing what he had always dreamed of. Shortly thereafter, the U.S. senate cut the NASA budget. With that action, the human race stopped doing something.

The launch of the orbiter breathes new life into public interest in technology. It is an even more sophisticated device than the craft that took men to the moon, for it has to work more than once. In many ways, it is the first space-ship to be built, for it can take off and land several times, as well as carry large amounts of cargo. If the project is continued, it will open space the way we dreamed about in the sixties. Even in its present scope, it will open up whole new worlds of scientific research and industrial innovation, probably enough to pay for the program several times over once it is going.

Why do I feel good about the eighties? Because mankind is **doing something again!**

a miscellany...

Students with cars are no doubt familiar with the parking lots affectionately named Blot, Clot, Glot, Plot, Slot, etc. For years Blot's lesser cousin B1lot was a keyholder lot. Now it's a pay lot, with a 50¢ entry charge. Somebody forgot to remove the sign which indicates that unauthorized vehicles will be towed away. Ya pays yer four bits, and ya takes yer chances!!

Of ANOVA the lessons are these:

- That dependence equates with disease,
 - That squares can't be rounded,
 - That patience is bounded,
- And that freedom is earned by degrees!

bwlutek



Yes for a few dollars more a term, \$2.50 to be exact, you will have the "priveledge" to contribute to the Math Faculty's Descartes Fund in the same way engineering students contribute to the Sir Sanford Fleming Fund.

Yes, students who have been hit by a series of consecutive tuition increases in the past three years, as well as a number of increases in "incidental" fees (such as the health and athletic fees), are going to be asked whether they wish to pay another fee to support the Descartes Fund. Your Mathematics Society after little publicity has recommended the implementation of this fee. A referendum to be held in March along with the regular MathSoc elections (which at the time of this writing had yet to be announced) will decide whether the Math students actually want this fee collected. The fee would be implemented in either May or September 1981. Fortunately it would be a refundable fee so you would be able to reclaim it. It may also be tax-deductable, depending on whether the Descartes Fund qualifies for charitable status.

In case you haven't heard of the Descartes Fund, its basic purpose is to provide scholarships for "exceptional" students. To qualify for a Descartes scholarship a certain minimum average (near 85 %) must be met and a special test must be passed. Certainly very few students can benefit from this program. Apparently the faculty does not seem to be getting enough donations to this fund from faculty members, alumni, corporations, and private citizens. So perhaps a special fee levied on the students at large could be used to make up for such a shortfall.

Actually I have nothing against the principle of giving scholarship monies to students who obtain high marks. In fact I once contributed to a fund administered by the Alumni Association. (Not the Wat-Fund, I don't like paying for big red ugly monstrosities.) I also don't object to the university asking faculty members, corporations, alumni, and private citizens to contribute to scholarship funds. (There are many of these people who can afford to and do contribute to these funds.) Also any student who independently wishes to contribute should be free to do so. However I don't agree with the idea of taking

an incidental fee from all students to subsidize the few students who can qualify for scholarships. Students have been hit with enough fee increases lately, they shouldn't be hit with more. Many may not be able to return to school next term. Even though the fee would be refundable (with a probable option to refuse payment a registration, like WPIRG) few students would remember to exercise that option. (Even the grossly unpopular Chevron did not reach a 50 per cent refund rate.)

Not every student, no matter how hard some may try, can get a high average. However a number of these students who get lower marks have made major contributions at their jobs or to society in general. Not every student can get the special coaching required to pass a Descartes test. Also I believe that if the Mathematics Faculty's program is of the high caliber it claims to be, outstanding students will enrol in this faculty and university regardless of the scholarships they will or will not receive. I know of a number of students who have refused scholarships from other universities to enrol at Waterloo in the Math Faculty. Also students with a high amount of natural intelligence can usually afford more time to spend working part-time (to make up for any shortfall in scholarship monies) than can less naturally intelligent students.

The Descartes Fund has survived quite nicely throughout the years without a special student fund, I believe that it will continue to survive in the future regardless of the results of the referendum. I personally am against the special fee implementation of the special fee fee. However since the special fee fee will not be collected from me personally, I will not get too worked up over it. So in keeping with my recently announced policy I will not personally campaign in the referendum. If you would like to pay the fee vote yes, or better still write a cheque right now to the Descartes Fund. If you don't want to pay the fee, vote no, or get your fee refunded next term. To their credit the Math Faculty is letting you the students decide this issue. It will be your money collected. It is up to you to vote.

j.j.long

CartWatch

I-Witless News Reporter Irv Weinstein Jr. today spotted a Zehrs Waterloo Square shopping cart, Nescafe ad and all, lurking at State and Hickory Streets in Waterloo, in the neighbourhood of Northdale Public School. Irv and his trained monkey Irv Weinstein III tried to film the incident with their MiniCam, but as fate would have it the shutter froze up. (That damn Brownie has to be fixed every few days!)

And so, as yet, no photos have been submitted in the First Annual mathNEWS Shopping Cart Shopping Spree Contest. But if you do live in that area, you might get a good picture at State and Hickory. However, we do have one piece of advice for you, and that is that the Waterloo Regional Police report growing violent behaviour among wild shopping carts. Once outside their lots they have been observed eating groceries and small children (hence the warnings on the kiddie seats about not leaving children unattended!). Could this be the reason for this cart staking out the school-ground?? Caveat shutterbug!

YFE

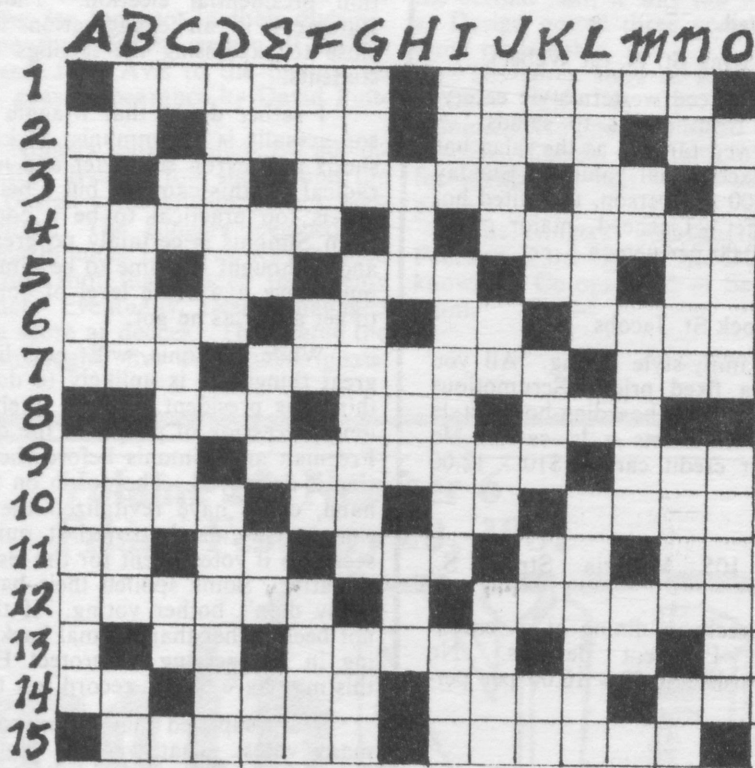


Happy Elves,
Happy Elves,
Happy elves are we
...

ISSN 0705-0410

A weekly (sometimes biweekly) publication of the University of Waterloo Mathematics Society. It is funded by, but independent of, MathSoc, and is the only weekly newspaper on campus with an all-volunteer staff. Content is the responsibility of mathNEWS staff and editors. mathNEWS, MC 3035, University of Waterloo, 200 University Ave. West, Waterloo, Ontario, N2L 3G1.

Divine Gridword



ACROSS

- 1b Summer month (6)
- 1i Java (6)
- 2a Stone age comic (2)
- 2d Sesame (4)
- 2i Latin to be (4)
- 2n Time Sharing (2)
- 3c Warner rabbit (2)
- 3f Entranceways (5)
- 3l Superman's loves (2)
- 4a Tell pa to fetch me a stretcher (6)
- 4j Fear (6)
- 5a Puzzling Enigma (2)
- 5d Freudian wizard (2)
- 5g Natural or laughing (3)
- 5k minus out (2)
- 5n General Degree (2)
- 6a U ran, I ran, we all ran from (4)
- 6f Behold (2)
- 6i Insufferable Swine (2)
- 6l Yellowstone bear (4)
- 7a One time span (3)
- 7e Sucker who takes the rap (4,3)
- 7m Photographs (3)
- 8c Article (3)
- 8g Charged article (3)
- 8k Mr. Whitney made a cotton gin (3)
- 9a French May (3)
- 9e Typical AD&D monsters (7)
- 9m America (3)
- 10a upon a time (4)
- 10f Actium (2)
- 10i Iron (2)
- 10l Los Angelosmajor product (4)

- 11a Ribonucleic (2)
- 11d Negative (2)
- 11g High Frenzied Federation (3)
- 11k South America (2)
- 11n Exclamation (2)
- 12a Body of tenets (6)
- 12j You got it, (6)
- 13c Example (2)
- 13f Board game is yes-yes (5)
- 13l Yukon Territories (2)
- 14a Dungeon Master (2)
- 14d *sigh* (4)
- 14i Fruit filled pastry (1,3)
- 14n Kitchener Transit (2)
- 15b Horse house at equilibrium (6)
- 15i Lessen about cuddling (6)

DOWN

- a1 Laugh in bet (6)
- a9 Gruesome (6)
- b1 Current versus 2a (2)
- b4 Air is chocolate (4)
- b9 Miss Frank (4)
- b14 Neither Miss nor Mrs. (2)
- c3 Beeblebrox, Lickspittle,... (2)
- c6 Caper about in cat (5)
- c12 French article (2)
- d1 Mixed in glob is a monster (6)
- d10 Puzzle (6)
- e1 minus down (2)
- e4 Talking horse (2)
- e7 Satiated federation (3)
- e11 Old English (2)
- e14 Old Bastards (2)

- f1 Teas are a sit-down (4)
- f6 Los Angeles (2)
- f9 Egyptian god (2)
- f12 Loaf about is young horse (4)
- g1 Explosive (3)
- g5 David's opponent (7)
- g13 French one (3)
- h3 Rural Electrical Association (3)
- h7 It's a natural (3)
- h11 Latin may be 'phooey(3)
- i1 Canadian Enigma Inc. (3)
- i5 Quit a session (4,3)
- i13 January (3)
- j1 Grant is a sop (4)
- j6 Stanford University (2)
- j9 Patella direction (2)
- j12 Masking or scotch (4)
- k1 Fruedian Slips (2)
- k4 Hello with Lois (2)
- k7 Affirmative (3)
- k11 A needle pulling thread (2)
- k14 Exists (2)
- l1 One fly is a crime (6)
- l10 ... to Martini & Rossi (3,3)
- m3 Pound (2)
- m6 Flower power (5)
- m12 Old Testament (2)
- n1 And French (2)
- n4 Snow mold (4)
- n9 Moisture is to frost as smoke is to (4)
- n14 Kinetic Energy (2)
- o2 Six pad arragement of petals (6)
- o9 Struck with horror (6)

The Galumphing Gourmets

The Corkscrew 400 King St. W,
Kitchener.

Well, we found another place where you can eat well while becoming thoroughly impoverished. For an average of \$17.00, you can dine very well indeed. A re-entrant salad bar is part of all entrees in this slick imitation mediaeval keep. The surroundings are congenial, and the service quite attentive.

The salad bar is one of the delights of the place. Large blocks of crusty bread with whipped butter in a crock lead off this festive board. In addition to the usual greenery and dressings, there are several fruit mixtures which are delightful. We especially recommend the pineapple with raisins, and the apple with nuts and mayonnaise.

While catering entirely to carnivores, the dinner menu runs from \$6.00 for the daily catch, to about three times that for some of the specialties. Most entrees will come in around \$10.00. The prime rib is somewhat over-tenderized, but otherwise edible if you don't object to the styrofoam yorkshire pudding. The horseradish that is offered with this item is not what you would put on your gefilte fish let alone a 'prime' roast of beef.

One of the truly enjoyable servings is the Polynesia. This tender small roast of pork (they call it a chop) comes with a sauce with black cherries, pineapple, a baked apple stuffed with seedless raisins, and choice of potato or wild rice for \$7.00. It has been enjoyed by us on more than one occasion. One of our number has also turned in a good report on the Teriyaki steak. In fact, most of the steaks are quite acceptable, albeit a little small.

The Neptune's Crown specialty consists of a fine steak, topped with shredded king crab, asparagus spears and finished with a mousseline type sauce.

The bar service in this fully licenced establishment is somewhat untrained but comprehensive. The dry red imported house wine is Szekszardi Voros. There is a limited, but quite good, bottles-only wine scroll.

Desserts consist of cakes by the Cafe Mozart. Three european style tortes and two cheese cakes. Tea served is somewhat above average, but it is still restaurant tea. The same comment applies to the coffee.

That is about all we care to report on this relatively good spot. Dinner for two, with drinks comes to about \$35.00. Major plastic money accepted.

Rating: ~~2.0~~ ?? that is 1.7 ~~4~~

JAN (DID YOU DO ANYTHING?), TRACY TMS (WAXER FIXER), WRITERS INCLUDE JJLONG (ELECTION, MONEY) ROSS BROWN (YFE), ARMY (DEADR) JC WINTERTON et al (GAL GOUR), BWLUTEK (LIMERICKS) PLRDWLEY (CSC), VAL CARR & SHY SAM (i don't want ads) BRAD TEMPLETON (MONO) & I GUESS THAT'S IT. (& THE PIZZA ISN'T EVEN HERE YET. BEWARE OF BLACK CATS & LADDERS. GNITE - JO.

Previously Rated.

Cassidy's 405 King St. N. (at Weber).

A moderately priced western-style eatery. Foods range from steaks to salads. A good spot for vegetarians, as the salad bar is eclectic. Exceptional value for Sunday brunch at \$5.00 per person, unlimited hot and cold buffet. Licenced, major credit cards. \$8 - 10.00 per person.

2.0 bunnies.

The Stone Crock St. Jacobs

Reasonable family-style dining. All you can eat for a fixed price. Scrumptious soups, salad bar and boarding-house style table service. Desserts a la carte. No licence, major credit cards. \$10 - 12.00 per person.

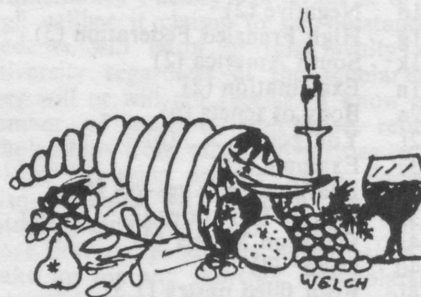
2.1 bunnies.

Shin Shin 105 Victoria Street S., Kitchener.

Very good Szechuan dining at a reasonable price. Excellent desserts. No licence, no cards. \$6.00 - 10.00 per person.

2.0 bunnies.

jcwinterton et al.



Election Retrospect

"I choose incompetence over communism", is the way one Math student expressed his choice in the recent Federation presidential election. Though this statement is an exaggeration it comes close to expressing the feelings of many students.

I rather doubt that Maggie Thompson actually is a communist. I know that she is a Chevron supporter and much too radical for this campus, but I believe that she is too practical to be a communist. Wim Simonis is certainly no great leader and is thought by some to be dim, but he must have had some level of competence to get as far as he got.

While Simonis will not likely do great things, he is unlikely to do terrible things as president. It will likely take a long succession of people of the quality of Freeman and Simonis before the Federation is destroyed. Thompson on the other hand, could have revitalized the Federation quickly or destroyed it quickly. It seems as if voters went for the less bad alternative. Some spoiled their ballots and many didn't bother voting. If there had not been higher than normal backlash voting in Engineering to protect Engineers, this may have been a record low turnout.

I am suprised that Thompson got so many votes. That was the biggest vote for a Chevron-backed candidate in over four years. The high percentage of votes garnered by first year student D'Arcy Emery in the off-campus mail-out after he withdrew was surprising as well. It is unlikely Emery would have won had he stayed in (he finished second to Simonis in the mail-out where it was not known he was in first year), and since the total vote of Simonis and Emery was more than double the Thompson vote it is unlikely that Emery would have prevented Simonis from winning. However had Emery stayed in the race, he would have made the election much closer by taking votes from both of the other candidates. I would not be surprised to see him run in the future, considering he got 8 per cent of the total vote from only 20 per cent of the total voters.

j.j.long

MASTHEAD: HI AGAIN, WILLIAM FORGOT HIS TYPEWRITER AND I AM TOO LAZY TO PHOTON THIS THING. (ESP AT 2:17:39 WED.) AT LEAST WE HAVE A NEW (USED) WAXER!! PRODUCTION HELPERS TONIGHT INCLUDE TRACEY ALLEN (EVERYTHING (ALMOST)! - TYPING, LAYOUT...) WILLIAM HUGHES (WHO KNOWS... EVERYTHING ELSE), DAVE WELBOURN (GRAPHICS, GRIDWORD) PETER ROWLEY (PREVIEWING, CSC, PHOTON?)