Antical Is Coming!

This year's Anti-Cal (course - professor evaluation book) is being administered a little differently.

The following procedure was worked out during the summer by the Math Society - Faculty Anti-Cal Committee consisting of 3 students, 3 faculty and chaired by Dr. Ponzo (Associate Dean of Math).

Starting next Monday, your professors will be showing up with big bags under their arms. This bag contains all the survey equipment. The professor will then ask a few students to distribute the questionaires, pencils (don't steal them) and the questionaire cards. When the surveying is complete, a student will be asked to stuff all the survey equipment back in the bag, and return it to the Math Society office (MC 3038), at the end of the class.

Hopefully this method will ensure that more classes will be surveyed, than have in the past.

This method is used in the Science faculty and has worked out extremely well with the co-operation of the faculty and students.

Remember, this system depends on co-operation, so make sure your professor will be distributing the survey equipment. If he doesn't show up with the equipment, ask him why when the survey will be done.

Gary Dryden

Mike Moran, winner of Spelling Bee for Math 3 yrs. running, with his championship trophy. On his left is Bruce Rorrison of Artsoc.

ORTHOGRAPHICAL RECONQUEST FOR MATHEMATICS

The Artsoc-Sponsored Pandemonium Week Spelling Bee last Thursday finished just the same way as last year's.

The first event consisted of a series of three-way rounds in which each contestant, at a blackboard, had to print the given word, spelled correctly, faster than the others. Dr. Jack Gray, Professor and Dean of Undergraduate Affairs of the English Department, officiated.

Five words comprised each round. The words for the quarterfinals were: □ *lucubrate indurate bombastic salacious miscegenation* □ *eclectic cockalorum exoteric mendicant crapulous* □ *sylph shibboleth hegira eldritch pluvious* □ *gymnosophist enceinte elegiac quarantine rhododendron* □ *satellite shillelagh sobriquet soulless spaghetti.*

The survivors (and one competitor with a bye) met in the semifinal rounds: □ *miscibility interstitial adscititious androgynous stoichiometry* □ *moccasin tessellated accommodation naphtha senescent.*

Unfortunately, all the mathie semifinalists met simultaneously, so that **Mike Moran** needed only to defeat an artsie to win the final: □ *imbroglio sedulous autochthonous esurient eructation.*

Next was the team event. Math, Arts, and E. S. each entered a two-person team. Here there were two rounds of only three words each, with one competitor from each team competing in each round. Moran took the □ *sarcophagus perspicacious trumpery* round from his opponents, and **mathNEWS's** Mark Brader took the last round of □ *soubrette chiaroscuro mahogany* to complete the Math sweep.

ELECTIONS

Due to the resignation of Selma Sahin (Math Regular) from Fed council, the feds are holding a by-election to fill the vacancy. If you are in Math Regular, this is your chance to show your concern with the federation by voting this
Monday 29 November
3rd flr in front of the lounge
It is interesting to note that in the recent past, 3 candidates have been acclaimed to council (MATH CO-OP, SCI REG., E.S. CO-OP). Monday is one of those rare occasions when students have a choice as to who will represent them on Fed council. You should note that you have a $26.50 stake in the Federation, 5 times as much as you pay for Mathsoc.

On MONDAY 29 NOV. Exercise your DEMOCRATIC RIGHTS.

V O T E !

PANDEMONIUM WEEK Wrap-up

Pandemonium week was a splendid example of society co-operation and participation, and a moderate success.

Inspecter Clousseau was found to be chasing the Pink Panther up and down the aisles of AL 116. Both were featured in the film presentation on Monday night.

TOWNSON TROPHY

Late Flash: Math won the Townson Trophy for the first time ever this term. The Townson Trophy is awarded to the on-campus group having the greatest number of participants in all intramural events over the whole term.

Congratulations, people; it's your trophy!

Not building bridges, but cards was the concern of the couples that gathered on Tuesday night in the North lounge, as they participated in a Bridge tourney.

A huge contest developed in more ways than one on Wednesday afternoon, when 6-foot slide-rulers were used by eight competing teams of faculty and students. The winners were the Applied Math team, consisting of Stud McGee as captain, R. G. Dunkley, D. D. Cowan, and R. Honsberger.

Roller skating, a new activity to the week, was at Bingeman Park, and the bus provided made it a worthwhile event for participation.

Spelling, believe it or not, is not this author's greatest asset as far as speed writing goes. The spelling contest was held where no-one could find it (in the

1

THE CANDIDATES

Kevin Willis

My name is Kevin Willis and under the present conditions of the Federation, I have decided to run for the Math regular seat in order that I may bring society (ultimately student) input to this council. I feel capable in this respect as I am presently Vice-president of the Mathematics Society.

Part of my responsibilities is presenting the views of the student to the faculty and thus I am an active member of the Mathematics Faculty Council. On behalf of the Math students I recently managed to voice their sentiment concerning an unbearable exam table i.e. the scheduling of exams too close to the holidays. I was able to get the Faculty Executive Committee to take action in this matter and they have promised to come up with a solution that will please all or most people.

In the last few months I have witnessed the Chevron conflict and because I am student motivated not politically oriented, bound to the society (which I feel is more responsive to student needs) with no affiliation to the present Federation administration, I have no official position on the subject. However I personally feel that Shane Roberts acted prematurely in closing the Chevron. I don't think he weighed the consequences of his actions. He should immediately instigate an unbiased investigation in order to clarify the situation. The "Free Chevron" staff are just as bad. They brought this down upon themselves through their pressuring and the forcing of certain politics onto the Chevron, hoping to use the media to influence the student body. This was not just a couple of articles but a number of articles every week. Does it not seem right that the Federation should react when a group of people tend to use for their purpose the Chevron, a paper financed by the Federation as a student enterprise.

This problem can be solved but only through more feedback from you. I am easily reached in the Mathsoc office, MC3038, or by phone, ext. 2324. Call, come in and see me or leave a note telling me of your stand. On Monday Nov. 29 vote for an experienced worker from your society who will take your stand to council. Vote Kevin Willis and I will continue to work for you.

All photos
courtesy of:
Rabid Rabbit

Peter Blunden

On Monday, November 29 there is a by-election for the math seat on council. I'm running for this seat because I feel I have enough insight into the workings of council to make a responsible and responsive representative. I am also extremely dissatisfied with the current council and rather than sit back and complain, I feel it would be more constructive to try and change it.

We math students pay $26.50 in federation fees every year, yet we get little in return. What we do get is mismanagement of funds, untold amounts of money sunk into bureaucracy, corruption, political patronage, lack of action, broken election promises, etc. Below I'll outline some of the issues of concern to students at the present time and how I feel these issues should be dealt with.

Cutbacks

What has the federation done about the cutbacks? Little if any research has been done.

Cutbacks go much deeper than the higher tuition fees students are expected to pay this year. Increased class sizes, fewer tutorials, fewer full-time professors teaching, less research monies and facilities (computer time/resources) all contribute to the decline in the quality of education. Unemployment this last summer was higher than it had been in several decades, foreign students are expected to pay huge increases in tuition, and there are fewer jobs for graduates. In particular the federation has been very lax in dealing with the foreign student fee hikes. No serious discussion has taken place on this very important issue. I feel students are unclear on the issue of cutbacks because they have not had enough information given to them.

I propose more investigation and research by the federation so that students can be educated and organized around the issues. Before any action against the cutbacks can be taken, before students are going to be convinced of any one action, there must be a thorough investigation. To act before any investigation is ridiculous.

Federation president Shane Roberts has said that it is up to OFS (Ontario Federation of Students) to fight the cutbacks and that the duty of the federation is to keep students informed on OFS's activities.

OFS/NUS

This is unrealistic. If these organizations are to be at all effective, they must have support at the campus level. At present over $20,000 of student funds go to OFS and NUS. Whether this expense is justified or not remains to be seen. Certainly if these organizations are to be at all effective, if they are to represent the student's voice, they must have the support of student governments.

NSD farce

Because they had done so little investigation into student's problems on their own, the federation had to rely heavily on the cooperation of the administration to speak at "student" forums. NSD (National Student Day) coordinator Diana Clarke has said publicly that over 400 students were involved in NSD and that the day was a success. In fact fewer than 75 students participated and the day was a dismal failure and a scandalous waste of student money.

The federation accounts for this and other fiascos by blaming it all on student apathy. This is totally wrong! Rather than blame the students, they should look at the real reasons for so little student participation: namely that the leadership is poor and has done no investigation; that "student" leaders have been non-students for so long that they've lost touch with student problems and interests.

Move to censure students

No wonder then, that federation president Shane Roberts has recently declared that council should not hear student delegations but that students should only speak through their councillors. This, in spite of the fact that it is illegal under the corporations act for the federation to refuse to allow students to attend or speak at council meetings. I myself was not allowed to attend an executive meeting earlier this year simply because Roberts and McLellan objected to my presence. How can the federation operate openly and above board if students are not allowed to attend meetings? Is this another tactic to muzzle the student voice?

Chevron affair

The chevron affair is now two months old and still no resolution has been reached. The federation's handling of the situation has been both disgusting and embarassing. In fact, it may even be illegal. Their methods have evoked cries of protest from campuses across Canada. Why does Roberts consistently oppose an investigation of the entire affair? I think Roberts' own politics have clouded his thinking and obstructed the implementation of a just solution.

I believe an impartial investigation of the chevron and the federation is in order, with reinstatement of the chevron first.

What can be done?

I ask students to consider the unjust and illegal acts perpetrated by the federation; their flagrant disregard for the students' voice; their unwillingness to listen to and act on student problems; the nonchalant way in which money is tossed around.

I believe that in order to combat student problems, councillors must be willing to do some legwork and communicate extensively with students. I

propose that this be done by the following means: holding more "meet your fed rep" sessions; bitch sessions with all councillors in attendance; councillors should be made to submit reports to council on their activities and justify the use of privilege cards; the money from privilege cards could be better used for newsletters, surveys, projects, etc.; reps should frequently talk to classes; agendas and minutes of council meetings should be more accessible to students so they can see just what their reps are or are not doing.

The problems of so-called "student apathy" are not due to students, but to the leadership. Councillors should be educated by constituents about their problems and interests. The responsibility lies squarely with the reps.

I have attended every council meeting this term and if elected will continue to do so.

I believe I have a firm grasp of the issues concerning students and I am willing to work for the students best interests. To the students of the math faculty I offer a person who is willing to put in the time and effort required for responsible representation.

On Monday, November 29 vote Peter Blunden for math representative on students' council.

Humanities foyer) on Thursday afternoon. The lack of an audience didn't prevent Mike Moran, a Math student, [from winning] for the third time in a row.

Card night at the grad club featured dominoes, cribbage, euchre, and a lot of beer. Everything *but* bridge.

JJBT held their Table Hockey Tournament on Thursday, Friday, and Saturday with over 100 participants (Varsity tiddley-winkers beware). An early hour for most, 8:00 AM Friday brought the start of an all-day Broomball Tourney at St. Clements Arena. Eight teams were involved in 40-minute games in eliminations for consolaton and finals. Whiz kids tromped Artsoc in finals and Science beat Math Hacks in consolation.

Most of the Math Hacks drowned their sorrows at the wine & cheese in the faculty lounge of the Math building and Humanities Friday night. For a dollar admission, you could drink and eat all you wanted.

The finale was the Society Social or semi-formal, held at the Valhalla Inn. Faculty and students sat down to a four-course roast duck meal and danced to a fantastic group called Chelsea Morning.

Plans would best be made now for next term's week, so anyone interested in helping out, come to the Mathsoc office and state your intentions.

FEDERACTION

Many of you know about using QED and roff commands for text-editing files on the Honeywell system. The Federation may fund a project by which the Honeywell system will use QED and roff to store copies of the Federation bylaws and their revisions.

Still on the subject of computers, Judy McMullan has been selected as hack-of-the-week. Though presently not as active in hack affairs as in the past, she previously involved herself in many Honeywell projects as well as being a Honeywell operator. Also, I figured R. P. Gurd might be kinder to me now that his girlfriend has been named hack-of-the-week. See, I am really not that much of a fan of Canada's lumberman. I'd like to help TV repairmen as well.

Well, we are finally going to have an outside investigation of the **chevron** affair. Through the help of Renison student Larry Smiley (a person Shane Roberts prevented from presenting a delegation to council), I was able to persuade council to proceed with an investigation. The vote was a close 8-7 in favour, with the unlikely trio of Shane Roberts, Larry Hannant and Heather Robertson voting against. I was worried that the motion might never get voted on in light of the near record number of quorum calls (many of them by Hannant), but quorum held until 10:30 PM and we got some business done for a change. The committee still needs to be formally constituted but that should come soon.

I found it quite interesting that Heather Robertson lectured Larry Hannant, the so-called defender of the oppressed, on his responsibilities to defend the people of Ontario against the repressive measures of the Davis government in regards to the Elora Gorge controversy. Robertson told Hannant, (who, along with Manny Brykman voted aginst a Robertson motion to have the Feds give $2000 to the Elora Gorge Defence Fund), that a person must always oppose repressive actions, not just those that affect a person directly.

I was treated better than usual at the "Free" **chevron** office during my latest visits. Salah Bachir even sold me a copy of PCDN. Docherty said that they didn't mind me coming to "their" office but that they didn't want to see "scum" like Dillon, Thompson, or White there. Though I did not think Leona Kyrytow should have been appointed Board of Publications chairperson, I believe comments by "free" **chevron** staffers referring to her as "Mrs. Roberts" were totally inappropriate. While I do not agree with the editorial policy of the free **chevron** (a policy I believe to be leftist and elitist), I don't feel throwing a rock through their window (damaging University property) is the proper way to voice that disagreement.

Hopefully, the **chevron** issue will be behind us soon, and we can get on to the real interests of the students.

If you want to talk to me about any ideas you have in regards to the Federation or Mathsoc, drop by MC3038 and say hello to us. I'd like to hear from you.

JD Long

left to right: Dr. Jack Gray, Mark Brader, and Mike Moran, winner of the Spelling Bee.

This week we discuss an article on computing written in the "Real Chevron" of November 22nd, comment on some IBM software, and mention the proposed general programme in computer science.

OS 360 catalog management has proved to be a major security problem at many installations. System datasets are protected from unauthorized access but are completely unprotected from the wily user uncataloging the sensitive datasets. This user could then update entries in the system catalog to point to his versions of the same. A good example is the TSO userid file "sys1.uads". One could simply uncatalog it from the volume (read disk) on which it resides, and then update the catalog to point to your version of a "uads". If this malicious user knew the format of the file, or knew how to have one created using a utility program (kindly provided by IBM) the security of your timesharing system would be compromised.

Catalog management also causes a bottleneck in the allocation and creation of datasets for jobs. This happens when JCL is read in by a reader-interpreter and the Job File Control Blocks (JFCB's) are being built for the job. A job with many steps and datasets to be allocated for it can take a long time to get through interpretation, and in the meantime, no one else gets any throughput.

A chronic complaint from co-workers (of co-op work term fame) is that IBM utilities don't work as advertised. A for instance would be trying to use IEHMOVE and having it die on a system 0c4 (protection exception). This and many other complaints re the useful(less)ness of some utility programs available for OS have been made by compatriots from work.

IBM (bless them) have finally come up with some "enhancements" to catalog security under the Virtual Storage (VS) versions of their operating systems for the /370 series. They added VSAM catalogs which have more effective protection mechanisms than old OS catalog management.

There remains a serious bug in the OS version of the extended SVC handler routine. A friend wrote a simple 25 line assembler program and ran it on the /75 belonging to the Computing Centre. It simply put him in to supervisor state with all interupts inhibited, and he executed a privileged instruction to prove it. The program didn't blow up, so it seems the bug is quite legitimate. A warning: the program is short but not trivial, and takes some knowledge of OS internals to write.

Our source of the aforementioned bug is a systems programmer at Canada Systems Group, and he tells me that the bug has been fixed under OS/VS2 (they sent in the notice to IBM about the bug, according to him).

Here we comment about the "Computing and the Faulty(sic) of Science" article in the "Real Chevron" of November 22nd.

I agree with the overall point made in the article about the lack of "applications" courses offered by the computer science (CS) department. More on this point later.

There are some basic criticisms of CS 140, CS 150, and CS 240 which are incorrect. First of all, CS 140 is now concentrating on teaching a structured programming methodology using WATFIV-S. Pre-processors for FORTRAN (e.g. Ratfor) are now becoming popular (especially since publication of "Software Tools" by Kernihan and Plauger) and have been around for some time.

Criticism that the /360 assembler language naturally includes all necessary machine-level language concepts is patently false. The /360 has no indirect addressing (which is available on such popular mini computers as the PDP-11 and the IBM 1130) and lacks some the nicer instructions available on machines like the Honeywell 6060 (e.g. the repeat instruction). The /360 also has its method of relocation through a second level of indexing, not available generally on most machines.

The criticism of ALGOL-W as a programming language for CS 240 is not fair. The AlgolW compiler was written at Stanford University, and is in use as a teaching language in North America at other universities. It has good run time diagnostics, and the rules of the ALGOL language lend themselves to teaching the data structuring and recursive programming techniques being taught in the course. PL/1 on the other hand has a tricky set of rules for definition of arithmetic expressions, and too many defaults (a problem with FORTRAN) that allow the programmer to get away with careless mistakes in his code.

Bachus-Naur Form (BNF) is not a method of instruction, but is a way of specifying the grammar of a programming language. BNF lends itself to the definition of recursive patterns in the language SNOBOL 4, which is used in the string manipulation section of the course. Using this method of definition for a grammar, we can easily see the recursive nature of many language definitions (e.g. in ALGOL).

The final comment concerns the slant of the curriclum offered by the CS department. It is almost completely CS oriented with few applications courses offered for non-math-oriented engineers, physics students, and the like. Other faculties offer their own computing courses to their students. The inherent danger in this is that the staff teaching the computing courses will have no formal CS background. This could lead to teaching programming with none of the methodology that has developed in CS during the past few years.

A new approach developed at Washington University in St. Louis, and adopted at Simon Fraser University in B.C., is to develop an integrated curriculum of core CS courses, and a large number of branch applications courses, which have a minimal CS prerequisite (e.g. one introductory programming course). The applications courses would be taught by staff familiar with both subjects (the person either imported or appropriately schooled). A more detailed reference to this type of curriculum will be given next week.

A proposal for a general degree programme in computer science is currently under scrutiny by the CS department curriculum committee. The student representative on the committee is soliciting responses to pass back to the faculty members concerned. So far the response has been light, but one comment states that the programme should have stricter requirements. If you're interested, the proposal has been taped up to the display case outside the third floor lounge. Comments can be sent to userid PFSTEVENS on the Honeywell or userid PFS on Math/UNIX. Messages for PFSTEVENS may also be left at the Computer Science Club office MC 3037 (across from Mathsoc).
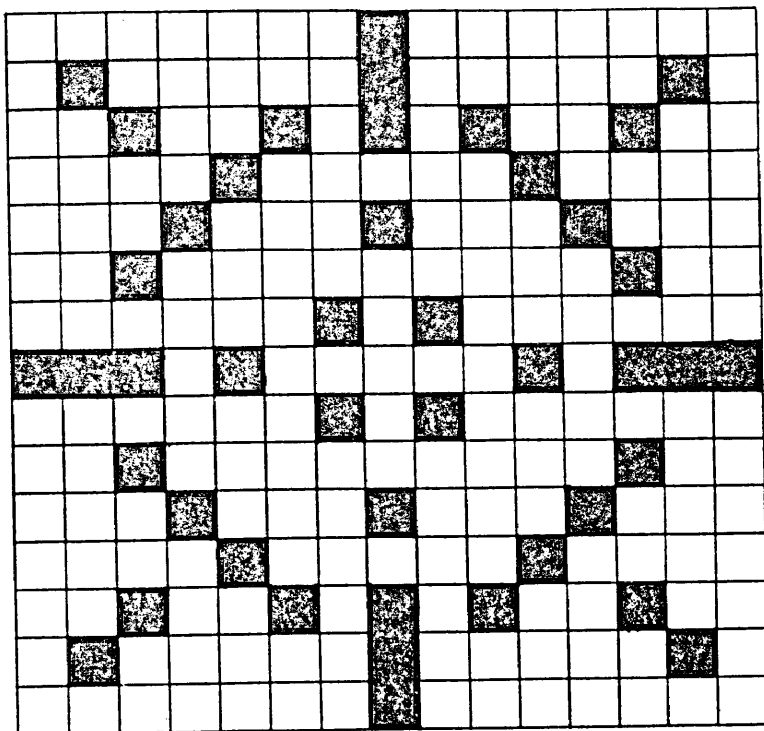

RANDOM BITS:
□Specific permissions have been implemented on Math/UNIX as "Access Control Lists" (from this viewpoint there is a preference for the Honeywell terminology). ·
□Progress is being made on the user interface commands for the UNIX to 360/75 communications line. At this time the IRUN command has been written, with IGET and ISEND yet to come.
□The CSC has a very good tentative program of speakers for the winter and spring terms (details sometime in the future, as they are confirmed).
□A non-CS item of news: a short review of the Dan Hill concert of Monday the 22nd. The performance was very good. The rapport established with audience was friendly and the emotionalism of his lyrics was refreshing; quite a change from the staid world of computing.

Next Week: to be decided.

IDENTIFY YOUR SELF

→ACROSS→

A1	Tasty mollusc (7)
A9	Type of cephalopod (7)
B3	Church meeting (5)
B9	~attribute of corpses (5)
C1	Around, about (ger) (2)
C4	2nd musical tone (2)
C11	Of (Fre) (2)
C14	I are (2)
D1	1.6 km (4)
D6	The Three Musketeers In Jail (1,1,1,1,1)
D12	Corny old baseball player (4)
E1	Wrath (Lat) (3)
E5	Bovine love call (3)
E9	Feathered snake? (3)
E13	Nearest G2 star (3)
F1	~ = (2)
F4	Old mining hand (9)
F14	Destructive Elk (2)
G1	Takes as one's own (6)
G10	Shortened sail (6)
H6	French evergreen (5)
I1	Third capital (6)
H10	Orders (6)
J1	See J14
J4	Not at all a quiet feline (5,4)
J14	With J1 exclamation of palindromic satisfaction (2,2)
K1	Sauron's creation (3)
K5	Basis for A-bomb measurement (1,1,1)
K9	Biblical agreement (3)
K13	Baseball stat (1,1,1)
L1	Queen's Park people (1,1,1,1)
L6	Latin river (5)
L12	Feeler (4)
M1	Preposition 1 removed from ends of the alphabet (2)
M4	Surprised exclamation (2)
M11	~an outside preposition (2)
M14	Dawn prefix (gr) (2)
N3	what D1 did to get K13
N9	B.F. factory (5)
O1	Multiple division signs (7)
O9	Came with a girl (7)

Speech bubbles: WHAT CAN YOU DO? / EMPLOYMENT OFFICE / YOU'RE IN LUCK. WE HAVE AN OPENING HERE IN THE **FEDERATION** COUNCIL. / I CAN TIE MY SHOES AND WAVE BYE-BYE.

↓DOWN↓

1A	Al2 O3 (7) ******NOTE: THIS IS ALUMINUM OXIDECHEMICAL FORMULA****
1I	AB=BC=CD=DA (7)
2C	Bogged down (5)
2I	Punctual attributes of a nobleman (5)
3A	Simile conjunction (2)
3D	6th in C4 series
3K	Math option (1,1)
3N	Fre. possessive pronoun (2)
4A	Untruthful stringed instrument? (4)
4F	The precipitation is here mainly in the flat regions (5)
4L	Boar's harem (4)
5A	~many (3)
5E	Another French word (3)
5I	Tilde (3)
5M	Sound of surprise (3)
6A	The answer is negative, captain (2)
6D	Haitian slave liberator isn't all holy (9)
6N	see F1
7A	Perry White, for example (6)
7J	Wasp deeds (6)
8F	7th dwarf (5)
9A	Truncated 1/4 ruminant (7-1)
9J	NaOH vat (3,3)
10A	Singer Jolson (2)
10D	He's taking a trip (9)
10N	Title of Kildare (2)
11A	Cover (3)
11E	Cardinality of {all years lived} (3)
11I	Genetic material (3)
11M	Wedding vow (1,2)
12A	With more French! (4)
12F	Structure of 11I (5)
12L	Aren't you getting tired of French? (4)
13A	The person who's doing this (2)
13D	IBM operating system (1,1)
13K	Egyptian sun god (2)
13N	Rubber Gloves (1,1)
14A	Article (1)
14C	Home (5)
14I	Saturday night, you may find me under it (5)
15A	Battled noisily (7)
15I	Alternative to shaping up (4,3)

5

DRYDEN SPEAKS OUT

COMMENT

If you know me at all, in the past I have been a fairly unpolitical being (mathNEWS athletic editor, president Math Society, Anti-Cal co-ordinator).

But I feel that it is time for the non-political types to take a stand on what is happening to the media on this campus.

There is a Federation by-election for the Regular Math seat coming up this Monday and I've become a biased S.O.B. so I'm going to tell you how I'm going to vote and why!

The two candidates are Kevin Willis and Peter Blunden.

Kevin Willis is currently the Vice-President of Math Society, a member of Faculty council and new to Federation business.

Peter Blunden was a Science student until he switched into Co-op Math this September. Three days ago he switched into Regular Math, two days ago he put in a nomination form for the by-election seat. Mr. Blunden is also a free chevric.

I think that at this time, if the chevron affair is to ever be resolved we need a fresh and un-biased opinion in this seat. We need some-one who is not going to be a sheep and vote unthinking one way or another on motions that pertain to the chevron or any other things. Willis is not a sheep and he has a lot of experience in the diversity of fields related to student government. Willis does not have tunnel vision.

Vote Willis on Monday Sept. 29.

Gary Dryden

l to r: John Ostler and Gerry Macerollo, winners in JJBT's Table Hockey Tourney. **6**

EDITORIAL:

Last Saturday I went to a seminar advertised in the free chevron as a "NEWSWRITING SEMINAR FOR EVERYONE" accompanied by R.A.G. White, speaker of Mathsoc council. Since the seminar was late in starting I sat down to wait. While I was waiting I was subjected to a stream of verbal abuse, insults and profanity from Neil Docherty. Someone also accused me of having been involved in the production of the "Fucking Thing". (For those who haven't seen it; this publication, which appeared on campus last Monday, cuts up the free chevrot [sic] & the feds in a way that puts Enginews to shame.) Needless to say, I was not responsible for it.

At one point, when Neil Docherty wanted to get at a desk drawer beside which I was sitting he growled at me, "Get out of my fucking way!". Later when Val Moghadam, another staffer of the renegade paper, entered the office, he told her, "Sorry about this scum, they just came in off the street."

This is the type of person that the Federation of Students laid off on Sept. 30. Don't you think that we are better off without him? After all he may be a half decent journalist and production manager, but when he allows his political views and personality to rule his actions to such an extent I think the feds would be better off hiring a student in his place.

The free chevron eventually allowed me to stay for the seminar although I was not given any of the handouts they had prepared because "we had to pay for them". In spite of the political overtones of the seminar I did learn something about newswriting (if only I had the handouts to remind me of the various points). In closing let's have another quote from Docherty, "That man could never learn journalism because you have to have some honest interest in telling the truth". Well Neil, here it is, the truth!

mathNEWS will print your **ads free of charge**. Just jot them down on a piece of paper and put it in our *mailbox* on the third floor across from the C&D lounge, or take it to Mathsoc and have them put it in our mail slot, or put it in the mail addressed to **mathNEWS**, MC 3038, or send them in the mail subsystem on TSS to userid **mathNEWS**.

Dear **mathNEWS**,

This comment is in response to:
1) A poorly-played parody of CS 150 in **mathNEWS** two issues ago.
2) A congratulatory response to the above.

/* tasteless!!! */

Learning about machine codes, and an assembler for a specific machine, is invaluable.

1) It makes any further assemblers easy to learn.

2) One acquires an intuitive idea of how programs work (ie. how they can, and hopefully how they are compiled)

3) It aids in trouble-shooting programs.

4) Library routines, and segments of programs can be optimized

5) In memory-restrictive systems, it's the only way to program, ie. micro's and PROM's and ROM's.

The philosophy behind CS 150 I completely agree with, although its implementation is perhaps lacking. The problem I see is that there is a "wide" range of computing experience inherent in the classes. To the uninitiate, the ideas of processor, peripherals, op-codes, addresses, pointers, stacks, contiguous memory, and bits and bytes may seem a bit foreign. In that case WATIAC/WATMAP may be all that should be tackled in 3+ months. To those with the/some requisite knowledge, the course is awfully BORING!

For instance, a friend of mine, on his second or so assignment, was using reasonably implemented subroutines, and about every instruction in the book. He happened to already have an average/some/working knowledge in PDP11 and a Univac machine.

I think that there are enough students to support an alternative CS 150 class (mainly co-op students and hacker-types). Such a group could study a more complicated processor in depth (say Honeywell+EIS or an 11/45), and compare its instruction set, user, interrupt and addressing modes with a variety of other machines (Honeywell, 11/45, 360, 1620, Z80(micro)) to give a good idea of the variety of machine architectures. Other topics such as micro-ops, machine code translation, types of memory, processor-peripheral interface, relocatable code, subroutine conventions, virtual memory, memory protection, implementation of system calls, time-sharing vs. batch, could be brought up for lecture and discussion. Assignments would be of the form: Write a program in "appropriate language" which does "appropriate problem".

Admittedly this would be a heavy course, lectures being mostly an overview of "handouts"/"buyouts", but with **good** documentation (something which most manuals seem to lack, but the WATMAP text is 95% effective at) of the processors, etc., this course would be relevant and interesting to those involved.

Terrence O'Leary

FEED BACK

Dear Apathy Club Members:

I've been meaning to write something in **mathNEWS** to all the members of the Apathy Club for the past two weeks, but I was just too apathetic to bother. Probably no-one cared anyway.

Up until now, the club has been thriving on lack of interest. I'm up to my ears in no responses. It seems apparent that as the end-of-the-term crunch grows near, the rise in the Apathy Index is exponential. That's what I call non-spirit.

But I guess it's good there are some enthusiastic people; otherwise, there would be no **mathNEWS** and therefore there would be no Apathy Club and therefore there wouldn't be me wasting valuable sleeping time writing about it. Hmmm, maybe it *would be* better that there were no enthusiastic people. Of course, then the club would expand to the point where someone would have to do some work to organize the bi-annual Apathy Club meeting to decide what we won't do for the next two years.

I've come up with a motto for the club. It goes like this:

"I don't know; I guess I didn't bother to learn it."

Then if someone asks you what the Apathy Club motto is, you can easily repeat it without trying. It also comes in handy when your prof asks you why you flunked his midterm.

Well, that's enough for one night.
Bye for now.

I. M. Apathetic, Ph.A.
Chairman of the Apathy Club

IMA/lw

P.S. I'm sorry that J. G. Kalbfleisch will not be allowed to join the club because of the effort he put into his proof of how much he worked on Question 3 of the 1976 Anticalendar 3 weeks ago.

Also, Owen Leibman is out because he handed his CS 454 assignment in two days early.

Dear **mathNEWS**,

On November 15 I was astonished to see a marching band parading through the campus, other than our talented Warrior Band. It is unfortunate that this talent is limiting itself to such rare appearances. If these musicians are looking for a place to perform, they should give the Warrior Band their consideration, as *the* band is looking for such people.

The Warrior Band have representatives from most departments, but their numbers are few. Although the musical talent varies from day to day, one thing is consistant, and that is enthusiasm. The band has accumulated a limited number of drums and cymbals for the rank amateur, and any instrument from a sousaphone to a kazoo would fit into our ensemble.

A warm invitation is extended to all departments to give the Warrior Band a try. Enthusiasm is the only pre-requisite and there is no such thing as an audition.

Anyone interested in joining us for another exciting basketball and hockey season, show up, prepared to play, at any home game or give Mark Hagen a call at 634-5376.

Mark Hagen
Chief Centurion

Hannant's Excuse

At the Students' Council meeting Sunday, Bruce Rorrison, co-editor of Arts Lion, questioned Larry Hannant of the free chevron regarding the lack of coverage of **Pandemonium Week** in his "student" newspaper. Hannant replied that it was council's fault because they do not recognise the free chevron. Rorrison then asked whether the free chevron is a student newspaper and received the reply, "It is **the** student newspaper of the University of Waterloo". With that, Rorrison rested his case.

When contacted afterward, Rorrison expressed shock that they could call themselves a student newspaper while ignoring **Pandemonium Week,** a series of events run by 4 of the 6 faculty societies at UW.

JJBT valiantly
strives for victory
in the Slide-rule
contest. But the
Applied Math team
won.

Kiddie Korner

Hi Kids!

This week our column will be short since we both have a lot of work to do.

Without any more introduction, here are the solutions to last week's puzzles. The first person to get our second progression was tjthompson who correctly completed KATNMAS, which is SAMN-TAK backwards. He can collect his coffee and donut from us whenever he wants to. Others who got the progression right were sboyd, wfnoordermee, bdroblin and nizeldin. There was a typo in our first progression. BMOVC should have been MBOVC. In spite of this, kwstreet and wfnoordermee both got the correct answer. The sequence was Mediterranean, Baltic, Oriental, Vermont, Connecticut, St. Charles, etc. (the streets on a Monopoly board).

This week's progressions are HHLBB and BCDGJ. No hints are needed if you've been a regular reader of our column.

The first droodle in last issue's column was a man with his bowtie caught in an elevator door. Those who got it right were tjthompson, bdroblin and mcrichardson. The second one was a giraffe walking by a window. A lot more people got this one. They were John Becevello, tjthompson, astuivenberg, bdroblin, klrichardson and mcrichardson.

Pleased as we were about the response to our droodles and progressions, we were disappointed in your apathetic attitude to our NAME_THE_COUNTRY contest. Don't you people realize that this is a matter of national importance? So please enter soon, since the contest closes on Tuesday. To get you all started, here is a sample entry we made up. Québec would become Québesque (as in Levesque). This would start the ball rolling and everyone would begin seceding. The Maritimes would become Smallwoodland. B.C. would join the U.S. while Alberta would join the OPEC nations. Manitoba and Saskatchewan would secede, but they would soon sink into the wheatfields since, on their own, they wouldn't have a prairie. That leaves the Yukon, Northwest Territories and Ontario to carry on our great nation (that is until the North joins Greenland). See how easy it is? Do you think you could do better? Then let us know! Send in your entry *today*.

We are pleased to announce that Sam and his partner, Nelson Tishcoff, came in second in the doubles competition in the Mathsoc/JJBT table hockey tournament. In a magnificent gesture of unselfishness, Sam and Nelson have revealed that they intend to donate their prize to charity.

That's all for this week. Actually this column is mostly the work of Tak since Sam was very busy (socializing with female friends). Please send all answers, comments, crank mail, and obscene messages to rhtakashima or scveffer on TSS mail. So long till next week.

sam'n'TAK

A Nother Colum

Good morning/afternoon, **mathNEWS** readers. You are about to read one of the articles in this week's **mathNEWS**. This one is called A Nother Colum, and it is about nothing in general, but since you are reading it, it must interest you in some small way (or you may be very bored).

Basically what I would like to do with this colum (yes, I really am illiterat) is to have something in it for everyone, like music, humour, recipes, and whatever else comes to mind. For instance, today I would like to tell you about a recipe and a few albums.

First the recipe: This recipe is for Good Food, and can be done almost anywhere, with little in the way of utensils, and requiring less than average intelligence (even I can do it).

Ingredients:

1 medium onion, finely chopped
1 medium green pepper, finely chopped
Average Food

Instructions:

Add peppers and onions to Average Food. This will make it Good Food. Of course, if you live in residence, you never even see Average Food, and I'm not sure whether Poor Food-with-peppers-and-onions is even Average Food, but it's worth a try.

The above recipe works especially well with the following: cheeseburgers, scrambled eggs, steak, tomato soup, salads and oatmeal. And no, I didn't learn it on Galloping Gourmet.

Queen I is a very good album, which I just bought. It was released in 1973. I bought it in 1976. It's still good, although I'm not sure if it's still as good as it was when it was released. At any rate, it doesn't sound much worse. Oh, and by the way, it's by Queen.

Emmit Rhodes released an album a long time ago called *Emmit Rhodes*, and two of the songs, *Fresh as a Daisy* and *She's Such a Beauty* made the charts. However, the rest of the album is good. I bought it, and Emmit's second album, *Mirror*, for 33¢ each about two weeks ago. Maybe I'll form a cult, or an Emmit Rhodes Fan Club. He's a very good musician, who played at least a dozen instruments on the two albums. It's too bad they didn't sell, because with financial backing I think Rhodes would be as well known today as James Taylor. If anyone out there has both of Emmit Rhodes' albums, would you please drop me a line care of **mathNEWS**? I'd be interested in knowing how you found out about him.

If dconroy is reading, here's a note for you: Peter Gabriel is now recording his first solo album, in Toronto, with Bob Ezrin producing. Larry Fast of Synergy fame is playing keyboards, Ken Ellis of Boxer is playing bass, and **Robert Fripp is playing guitar.** I don't know how many times I'll have to tell you that, but, as one observer said, "Look who's calling whom misinformed". As for the status involved in living with Peter Gabriel's drummer (you didn't say which one), big deal! My roommate lives with a guy who writes for **mathNEWS**.

Since I haven't told any N-jineer-jokes lately, I'll reprint one that a 1-jinear told me. I hereby declare the following to be the funniest thing I have heard an N-jineer say so far this term:

Q. What's a six-letter word that rhymes with Most-Beautiful-Girl-In-The-World?

A. Nurse. *[sick]*

It must take a lot of imagination to come up with something like that.

That joke just took the life right out of me. Now that I've written it down, I don't really feel up to writing any more, so, just to prove I'm not spineless, I'll stop.

$STEVE$