

# IT'S BEEN SAID

## mathsoc

A belated hello to you all! I usually write for this rag more regularly, but due to a complicated series of events I haven't been able to do this before now.

I am bun and this column is about MathSoc and anything else I care to write about.

MathSoc meetings are usually held on Tuesdays at 12:30 in MC 5158. Everyone is welcome to attend and participate.

Today's meeting (as I write this) saw many points of business. For the nth time, the question was raised if anything could be done about providing ashtrays for the smoking side of the lounge. We're still working on it. (Seems to me that I heard the same complaints during the summer...)

A report was made on the Curriculum Committee meeting in which was expressed concern about the rumors to do away with co-op general degree departments, leaving only regular general and honours co-op available to get a degree within the Math department.

The report from the Board of Entertainment made note of the fact that there is going to be a Campus Wide Winter Carnival from March 2 to 6. There is still a lot of work to be done preparing and executing arrangements for this event and many volunteers are needed. Your ideas and help are desperately needed, so contact your local Social Director!

It has come to my attention that the Varsity Basketball Team has been invited to Israel to compete in a tournament there. The Feds have already donated some money and in order to raise the rest they are holding a Shoot—athon. One hundred shots are attempted from the free throw line and they gather X shekels per basket from pledges. Therefore, MathSoc Council, in a rare philanthropic mood, is pledging \$1.00 per basket to the highest scorer. Any and all Societies are welcome to match or better this pledge (that is, if they are able). And don't let this forthright action deter you personally from sponsoring the person of your choice!

The remainder of the meeting was taken up by debate whether or not MathSoc should take an official stand on endorsing a particular presidential candidate. Approximately 14 motions were floored, some of which might be construed as 'obstructionist', before any concrete stand was taken. As of this point in time no official position has been taken concerning endorsement. However, a motion was passed to allow Doug Thompson to use the MathSoc office as a distribution point for campaign materials, with notice of motion to rescind this motion at the next meeting.

There is going to be a book sale to support the Décartes Foundation on p Feb. These are books owned by profs and include such things as texts, reference books and possibly some SF.

For all you loyal MathSoc Pub followers, there is a pub tentatively scheduled for Thursday, February 3rd. All that remains to be done is get someone in to do the music. I have a few hopefuls, but if anyone knows of someone who'd like to try their hand at DJ'ing, let me know via BNMILLS or MATHSOC on the 'bun.

That's all for now.  
bun w bunsoc

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# math NEWS



## Ye Olde Flacid Toole

Those of you who habitually frequent that area of the third floor Mathlounge known as the C&D stand, may have noticed some changes. If you haven't, the Optometry clinic at UW offers free eye examinations, phone ext. 3581 for details.

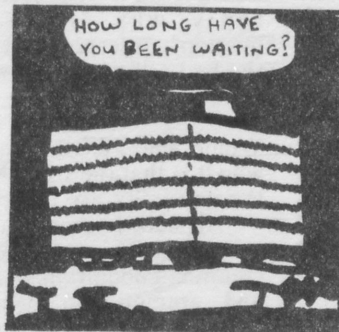
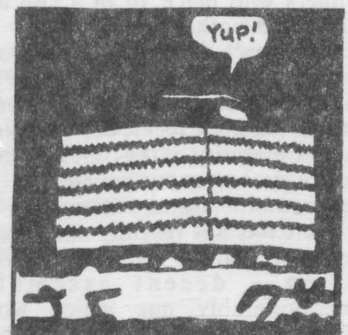
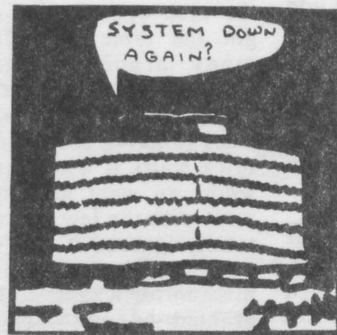
The C&D stand now keeps it's subs and kaisers in a refrigerated cooler to keep them fresh and doughnuts are sold from glass and wood display cases designed to prevent sickies from sneezing on them. All this to keep mathies hale and hearty and free of disease.

Why the sudden change in operations? Well it seems that after 5 years of operation, the Health inspector finally got wind of the existence of C&D and gave us a visit. So now our Math C&D stand is the first one on campus to conform to the Dept. of Health regulations.

Another first for Math!

Mad Dog

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## CSCTRAMP

The CSC TRAMP replies to Ludwig von Zopfault...

I am afraid that I must reply to Mr. Zopfault's most vile and semi-truthful column in the last issue of **mathNEWS**.

First I must say it's about bloody well time you quit. And next in reply to the things you have said about the CSC.

You complain about the swimming trunks and towels tacked to the wall... Where else do you want us to tack them??... Do you think they would dry on the floor??? One bookshelf was covered with used styrofoam cups...but all would have been used again... Furthermore the kettle was not non-working...it had crashed.

The non-working bicycle pump was for the bicycle club, a sub-club of the CSC... Furthermore I notice that you have not mentioned the bicycle rack.. Yours, I have been told.

On the subject of couches... An experienced user has informed me that there is nothing at all wrong with the math lounge couches.

And the hot chocolate.

Not only the exec and sundry visitors drank it but probably a couple of dozen people had a couple of cups at one time or another... If this is what members wish to spend their money on it is up to them. It is most certainly not up to you who are not a member of the club, let alone an executive. You have no right to go in there and start "delousing" (HAH!)

Oh yes, on the sugar consumption... May I suggest something like people sitting there and popping a cube into their mouths every minute?? Or perhaps certain members who place 10 in a cup and add water....and nothing else??

You don't like the way Mad Dog Dillon edited this paper?? Nor MSBrader?? So don't read it or contribute to it (personally I feel it has been very well done the majority of the time). If you think you can do better try yourself. And onto other sundry items...

The CRG has recently announced that it is interested in reforming CS150 i.e. getting a decent assembler in there...preferably one which works in binary...most students have known binary since grade eight, however in the compulsory subject math 134a you are taught all about bases.. for those few who didn't know already. So if you are interested in designing such a machine contact the CRG. [for those of you who think that CRG stands for Campus Reform Group you are wrong! It stands for Computer Reform Group...Give us decent assembler or give us death!!!! (to quote a well known historical personage) (sum1 has just said that you will ask for death...ah well)]

And to come to the defense of the 360 Jonathan Harris is not needed. He seems to feel that indirection and repeat are the only instructions which have to be

justified...Indirection, immediate fields, auto-decrement/increment, automatic subroutine linkage with the CALL and RET instructions and RPT and RPTD are some of the most important...And your subroutine for repeat!! You don't want a subroutine for each length instruction...use an execute instruction. (one useful thing WATMAP doesn't have) You assume the condition code is not preserved...This is the most important part of the instruction...This is part of the repeat instruction...to terminate if the cc equals some value.

Further you say you defy anyone to write a cobol compiler in WATMAP...If you add in stuff so you can do proper i/o and data manipulation for the various data types that cobol supports you could do it. You should go to a lecture in CS360...see what they do with CML (Counter Machine Language) which only has 3 statements... $x=x+1$ ,  $x=x-1$ , if  $x=0$  goto label. Further there are only positive integers and zero in it.

To BURLOAF...the albums that Mathsoc has recently obtained are paid for by mathsoc...you are quite right. Who would lend them any?

p.s. the CSC is looking into cutting down on the doughnut consumption at meetings...can we get those 12000 fortune cookies at a discount??

You have probably read it 50 times in the last week, but the Free Chevron lost the referendum. In a way it is sad...what will we have to argue over now?? I say we should complement Shane Roberts for doing his job in forming activities for members of the federation. This has kept everyone busy and having a grand time for all of last semester...Everybody really had a great time playing politics. No riots however. Shucks. But it came near one the day of the referendum when mathsoc attempted to remove the illegal table (no permission and illegal campaigning) from the area opposite the polls. However we got the table away from them... After many arguments between mathsoc, chevrics, security, and supporters (both sides). (in all arguments the result was both sides thinking they had been talking to a brick wall). it was interesting to note that while we were arguing with them, they went with the law if it went with them and totally ignored it if it went against them, i.e. when they asked to be shown that permission for a table to be set up had to be granted by mathsoc. We asked if they would leave if we proved it. All they would reply was "let's see the permission"...interpret that as: "if you do then too bad... if you don't well then the law is upholding us."

Would the TROB please like to explain why it is that the six IBM 5100's owned by the university are in Brazil???

Ah well, I seem to have been rambling on and on. This was intended to be a short column...goodnit...p.s. ignor the spelling and gramer and punktuashun in this kolum...i think a mistake mit of been made sumwhere

## JJ Rattles on.....



Starting on a non-political note, this week's hack-of-the-week is R.P. Gurd. Preston, who is really above the level of a hack (ie. superhack), is an employee of the MFCF and a grad in Computer Science. Preston's work with the Honeywell has helped improve the system such that we have moved from 6050 to 6060 to 6660 (I don't use the slash). His actions have helped many a UW student.

The free chevron staff were to be out of their office in CC140 by January 25th. However, knowing how the present Federation administration operates and the disrespect the free chevron has for the will of the students, I suspect that those offices will still be occupied when you read this.

Tickets are now on sale for FASS. Despite reports in other publications, it looks promising. With such characters as the Winkle of Fed, Robert Brassiere, K.K. Kong, James T. Jerk, Mr Jock and the the crew of the Satirize we should see what no man's ever seen before. On stage such luminaries as Gary Prudence, R.A.G. White, Bruce Burton and *thee other JJ* will perform. The action begins Wednesday, February 2nd at 8pm. Shows continue until Saturday, February 5th starting at 8pm except on Friday when two shows occur at 7 and 10pm.

For Wednesday's presidential election the four major candidates appear to be Salah Bachir, Mark Wills, Joe MacDonald and Doug Thompson.

Both Bachir and Wills support the reinstatement of the free chevron as the chevron. Bachir, an AIA member, is running on a Marxist-oriented platform. Wills, a former Fed councillor and recall petition organizer, is a former AIA member. Though he still has friendly relations with that group, he asserts that his platform will be significantly different from Bachir's. Personally I can not support either Wills or Bachir. Their views on the chevron reinstatement tend to go against the results of the referendum and I feel that the referendum must be adhered to.

I don't know much about Joe MacDonald, though he is ArtSoc president and former Arts C&D manager. Since he was acclaimed as ArtSoc president last November, becoming an ex-officio member of Federation Council, I have not seen him at any Council meetings. In the last week, however, he has taken more of an interest in Federation affairs.

Doug Thompson, a representative on Federation Council, is running with the support of the Campus Reform Group. Thompson believes that the results of the recent referendum on the Chevron issue should be implemented. He also feels such areas as student services, housing, entertainment, and educational cutbacks should get more emphasis from the Federation, as these are areas that more directly affect the students.



As I look at the candidates in the race, I get the impression that Doug Thompson would be the person best able to revitalize the Federation and get it moving. I have decided that I should support him and help him get elected. You may notice that Thompson and the Campus Reform Group are receiving criticism from people supporting the free chevron and those supporting the present administration. This is to be expected since Thompson is one of the more active council members and is willing to take a stand on issues affecting the students. Most new political groups run into opposition during their formative stages. One must realize where the attacks are coming from and ask what the critics themselves have done to solve the Federation's problems.

I do not wish the chevron issue to become the "Vietnam" of U.W. It is my belief that Thompson and the C.R.G. can prevent this from happening. They should be able to provide the leadership that is needed on council in order to put the Federation back on the track and once again fulfilling its purpose of serving the students.

*JJ Long*



**WINTER CARNIVAL IS COMING!!!  
WE NEED YOUR IDEAS AND SUPPORT**

**Apply to your friendly neighbourhood  
SOCIAL DIRECTOR**

Needed: Bodies needed to fill positions on  
Social Committee. Apply MathSoc.

## FEEDBACK

Dear mathNEWS:

On Tuesday, January 25, the CRG members and sympathizers committed Mathsoc to breaking its tradition of not supporting a candidate in the presidential elections. Doug Thompson is now the only candidate who can use Mathsoc office space and telephones. Voting in favour where: Kevin Willis, Steve Risto, Ron Hipfner, Bruce Mills, Valerie Carr, Mike Hollosi, and a reluctant speaker, Rag White. By doing this, he will be able to move to reconsider the motion at future meetings. By voting against, Geoff Haines, Gary Prudence, and Brad St. Pierre don't have that option. As I said at the meeting, what the hell is going on?

dsrekuta

## Don't Quote me troubles

Old, old, old business: Latest word is that there are only 3 5100s in Brazil, not 6(5) as reported previously. Oh well, not even trobs are perfect!

The only ALGORITHM\_OF--THE\_WEEK submission received was by Peter Raynham. However, since I expect his name will be in the masthead, I will not print it here. Viz:

013 prraynham thurs jan 20th 14:24  
The algorithm clearly adds the two numbers A and B and leaves the sum in the cell B2. During each cycle of the loop, the bit sums (xor's) are left in B2 and the carries in A1. The carries need to be shifted over to be added to the bits of next higher power. When the loop quits, the sum sits in B1, and A1 is empty. This is the way the IBM/1130 adds; it can be observed in the ACC and BUF lights when the machine is run in single step.

Does this qualify me for the prize ?

Since Nobody Else submitted a correct answer, Nobody Else's name will be mentioned. And since Nobody submitted a wrong answer, and there were so few submissions, I'll mention Nobody's name too.

This week's algorithm is sort of almost similar, but different:

```

MOV  \001,B
MOV  B,C
CMP  LDA C
      AND A
      BRZ END
      LDA C
      SHL 1
      STA C
      XOR B
      STA B
      TRA CMP
END   LDA B
      XOR A
      STA A

```

Obviously, a solution should tell what is being stored in A. Hint: B and C are temporary locations of no major consequence.

Eureka! "Trob-O-Graphic Productions" tonight announced the invention of the tetrahedral gridword. There is a finite probability of one appearing in a future issue of mathNEWS.

All of the theory has been completed; all that remains is for someone ambitious

(the Gazette seems to have found a shortage of such types on campus) to actually construct one.

A useful quote from Professor Malzan's 231 class: "The Theorem of Duality states that when lines go to lines and points go to planes, well, everything just stays the same..."

Finally, some speculations about FS. Speculating about FS is relatively safe; nobody seems to know anything about it. FS (Future System) is IBM's "next" machine system, the follow-on to the 370 series. For a while rumours persisted that it had been cancelled, but there are indications that the recently introduced /138 and /148 may be the end of the 370 series and an article in "ComputerData" magazine puts FS "two years away from the market".

Certain trends expressed in the /138 and /148 may lead to interesting theorizing about FS. The main innovation in these recent 370s is the increase "Writable Control Store"—microcode to everyone else. The amounts of microcode provided represent quintupling and quadrupling of the amounts in the /135 and /145 respectively. The increased capacity is put to good use; heavy-usage portions of the operating system have been microcoded.

The implication is that future operating system releases will require these functions to be available at the hardware/firmware level. And since the major difference between members of the 370 series is the proportion of micro-coded to hard-wired instructions, we can anticipate a machine on which these functions are indeed part of the hardware.

This sort of movement has two effects.

It will make things difficult for the manufacturers of plug-compatible CPUs; Amdahl has made the most impact here, but others are getting involved. It also virtually eliminates recent announcements of "unbundling" of IBM operating systems; as the user gets more power to pick and choose operating system components, the operating system disappears into the hardware.

\*\*\*\*\* MEMORY EXCEPTION \*\*\*\*\*

EMERGENCY POWER OFF



## SOUNDOFF: THOMPSON PAPERS

At the next Federation Council meeting, Thursday January 27 (tonight), Doug Thompson, the presidential candidate for the Campus Reform Group (CRG)—founded by many a deserter of Robert's sinking ship—is going to try to ram his motion through council once again. Since this is his last chance before the election, he will try to call in all of his troops—including three out of the five Math Reps, as well as one from most of the other faculties, with the exception of Engineering and Environmental Studies. Contrary to the students' interests and without really letting them know about it, Thompson and gang are going to set up a new bureaucracy called, of all things, a Journal of Politics, Arts, Sciences, and Education. They are going to spend quite a bit of money, and if they had had their way, you wouldn't have heard about it until afterwards.

Why?

Article five of the motion states that positions for co-editors will be advertised, and applications submitted to the Board of Publications. The Board then sends its recommendations to the Feds for ratification. The Board, which is responsible for the student newspaper, had its first meeting in two years last November, and currently includes a CRG member, "Mad Dog" Dillon (I.S., one of **mathNEWS**'s editors), and Rob "Rag" White (Math, Speaker—Fed Council). The current chairperson is Leona Kyrytow. Kyrytow was the controversial Roberts appointee who admitted that at the time she had no qualifications. Contrary to policy, the position was not widely advertised. (Author's note: J.J. Long wants it clear that he, as well as Larry Hannant and others, opposed her appointment.)

Article six says that the co-editors' terms will be eight months, except that in the first year only, one will be for four months. It then goes on to claim that any co-op student will therefore be able to participate. I'm sorry, but my understanding is that if a co-op student did become an editor in later years (for eight months) he would be off campus for four months, leaving the other editor with effective control.

Article nine sets up a special review board that will handle complaints, and report to the Feds. Voting members are: all society editors (6), the co-editors (2), the Board of Publications Chairperson (1), and last but not least the editor of the student paper (1). More on this review board later on in the article.

Article ten sets out Thompson's idea of an editorial policy—R. B. Burton, Thompson's "friendly" "real chevron" editor, take note! The main emphasis is to be an even balance between Education, Politics, Arts, and Sciences. In case of a shortage in one section that can be made up by other sections, the first rule of substitution will be the article's "timely and topical nature", that is, its newsworthiness. Make up your mind, Thompson, do you want a journal or

a newspaper? Failing that, the next rule is drawing of lots. Recently published authors get one lot, not so recent two.

The real clincher in article ten is paragraph "E" though. "Decisions regarding what material is to be included will be made by the review board in accord with the aforementioned criteria and procedures outlined above or added or amended by Council from time to time." Thompson, what were you thinking of? You select two paid editors and then put them in a position where two things can happen. One, the society reps will actually find time to show up each month for the unpaid job of helping a paid Fed appointee and paid editors put together a journal. In this case why be stingy if you want to do a good job? Spread the students' money around and pay everybody. The more likely thing to happen of course is that the society reps will not show up. That leaves two editors appointed by a Fed Board and the Chairperson of that Fed Board and the student paper editor voting on each issue. Cute if you can get it. The best part of the motion is yet to come—Articles eleven through fourteen, dealing with financing and advertising. Article eleven provides that anyone who is not satisfied with the way they have been handled by the review board, or who want to guarantee that their point of view will appear in the paper, can always buy space in the journal, at cost.

Article twelve states the size and therefore the content of the journal is to be dependent upon the amount of advertising to be raised. One third of the journal is to be advertising to pay for the rest. Said raising and soliciting of advertising is to be the sole responsibility of the Board of Publications, while student papers have always had this responsibility themselves.

Article fourteen sets the issue run at 5,000 with the journal to be printed monthly. By comparison, the student newspaper run has been 11,000 to 13,000, the approximate full-time student population. **mathNEWS** is 1200 issues per run.

Clearly, the success of this journal depends on competing with the student paper for the advertising on campus. The Board of Publications, who is responsible for the student paper, is suppose to help cut its throat. Does anybody remember the Fed's and the present CRG councillor's stand last year when **Like it is** was run off campus because it would compete against the Fed-funded student paper for advertising? Does anybody remember the recent referendum where the students voted 8:1 to have a student paper?

No where does the preamble to Thompson's motion state that anybody had actually asked for his journal. It does claim that a large number of students do not want such topics in the student paper. When did a "large" number or any number say this? There were no petitions, there was no such question on any referendum. Does anybody remember being asked? Maybe

the CRG polled themselves, since they claim to represent a "large" number of students.

By endorsing Thompson's journal, the CRG has told the students (in this "elaborate four-page motion" only of course) that they want the students to shell out \$600 per year for two editors that will do either nothing or everything, plus any costs that their advertising won't cover (don't forget those 5,000 issues each month). Thompson and the CRG want to set up direct competition against a student-funded newspaper for advertising revenue, and if they both can't find a lot more new ads, the students will have to subsidize the costs of both more than they already do. They want to do this to a paper that the students have already said they want, without giving any evidence that anybody but themselves want theirs. In other words, to hell with what the students want.

There are several CRG members in **mathNEWS** and Mathsoc. There are seven admitted members in Fed Council, which because of typical low turnout, gives them an effective majority block. They can and will try to ram this through the council meeting tonight (Thursday). They have tried in the past, but quorum was usually broken.

If you don't want Thompson's Journal, go to the Mathsoc office and ask where to find the following Math Reps (Fed): J.J. Long, Kevin Willis, Doug McDougall (all CRG), Ron Hipfner (former CRG), and Rob White (Fed Speaker). Ask them where they stand, and tell them what you think. If they aren't interested or can't be found, remember to ask them why before the councillor's elections coming up soon.

If you want to speak at the council meeting about a pertinent point, or if you have a question, the Ontario Corporations Act gives you that right. Council in the past has tried to require sponsorship by a councillor before they would recognize you, but some councillors pointed out that they legally can't get away with it. The best thing is to have a councillor explain a few of Roberts Rules of order, so that councillors or the speaker can't cut you to ribbons for not following procedure. If you are intimidated by all this, at least talk to a councillor, and then watch him at the meeting to see if he listened to you. If the motion still gets through and you still don't like it, councillors have been known to change their minds at future meetings if someone talks to them about the elections just around the corner. After all, Reps are responsible to the students who elect them, not some party within the Feds, aren't they? Arn't they?

Many vocal CRG members are third and fourth year students, which means they won't be around much longer—unless like Roberts, they plan to hang around for seven years and counting. If by any chance they wanted to get themselves into any



## SOUNDOFF on the REBOUND

Since Mr. Rekuta has taken the time and effort to write an article on the inadequacies he sees in the proposal for a monthly journal of Education, Politics, Science and Arts, we would like to make a few comments in return.

- 1) We have never claimed to be perfect. If Mr. Rekuta or anyone else can find weak points in the proposal, we would be happy to discuss them and make any changes that prove to be necessary. The Campus Reform Group welcomes input from all students on any proposals that it puts forth. Only by working together can students solve their common problems.
- 2) Regarding the problems with co-op students being one of the co-editors. This is a good point. We're not sure how it can be resolved yet, but one possibility is to allow co-op students to serve 2 non-consecutive 4-month terms.
- 3) You say that the review board members are likely to miss meetings, thereby allowing the Fed appointed board members to run the journal. Well, as long as the journal is run according to the guidelines set forth to ensure fair treatment for all writers, this should present no problem. However, if the board cannot mobilize all its members for an appeal meeting or if the editors start ignoring the guidelines, then Students Council can step in to change the makeup of the board. We think that assuming that the members of the board will be negligent in their duties before the journal is started is a bit premature.

In any case, the important thing here is the guidelines by

which the journal is run, and you seem to have no quarrel with them.

- 4) On the subject of advertising. There is more than enough advertising available in this town for both the chevron and the journal. There can be no competition because the advertising for both publications will be solicited by the same person, namely the Board of Publications ad manager.

The problem with the magazine **Like It Is** arose mainly from the fear that it would erode the stability of Youthstream. Youthstream is the national advertising service of CUP that provides a large part of the old chevron's advertising revenue.

What we have said so far is mainly what was discussed when the original proposal was formulated. The proposal has been before Council since November 11, and has not yet gotten to the stage of being discussed by Council. The CRG does not intend to "ram" this proposal through Council. We feel it is a good idea and should be discussed by Council.

And finally, the CRG is interested in what the students want. We would like to thank Mr. Rekuta for his comments. They pointed up at least one weak point in the proposal. That, and the rest of your comments will be taken into consideration, and the proposal for the journal will be reconsidered at the next meeting. We would also like to encourage students to comment on any or all of our activities. Mail sent c/o **mathNEWS** will reach us.

Campus Reform Group

positions of power on campus (one that pays), the best way to do that would be to get a member in the president's spot: failing that, at least enough members in council to ensure themselves or friends get appointed to boards or jobs as fieldworkers—as our old friend Roberts was accused of doing.

That is if they would want to do that of course. These old bureaucrats represent the wish of the students to do away with bureaucracy by setting up a new paper and a new board. They also represent the wishes of the students for more open communication between the students and their elected reps. Remember that elections for council are coming up, and that they love to talk to you. Go ahead. All you have to do is find them.

## CHESS

For all you chess freaks, the University of Waterloo Chess Club is running a chess tournament over the Feb. 5-6-7 weekend in the Blue Dining Hall in Village I. There will be sections for both C.F.C. and non-C.F.C. members, the entry fees being \$5.00 and \$3.00 respectively. The prize fund will consist of all entry fees PLUS \$100.00 which the B. of E. has supplied.

Any questions should be directed to Bob Inkol at South 3, Rm. 111 in Village I (phone 884-7619) or via the University of Waterloo Chess Club (it meets Tuesday nights in the Campus Centre). Please bring your own sets and clocks if possible.

## FEEDBACK



Dear **mathNEWS**:  
My association with **mathNEWS** is terminated.

Mark Brader

## C. U. Chevron

Dear **mathNEWS**:

I am considering starting a new campus weekly newspaper, to be titled "*The Complete and Utter Chevron*". People interested in this venture should send mail to user ID "chforsyth" on the Honeywell, or user ID "forsyth" on UNIX.

Yours faithfully,  
C. H. Forsyth



## CRRG

We are writing regarding the record collection in Mathsoc. This collection, chosen by a committee of three, was bought using Mathsoc fees, which are paid by the undergraduates of the Math faculty.

We feel that this record collection should represent a balanced selection of tastes. Instead, as it stands now, it represents the collected tastes of 3, with the meager peppering of a few other albums thrown in to appease the silent majority.

For instance, out of 48 disks:

- 2 Murray McLauchlan (1+1),
- 3 Gordon Lightfoot (2+1),
- 2 Rod Stewart (1+1),
- 2 CSNY (2) + 1 Neil Young (1),
- 3 Bob Dylan (2+1),
- 2 Elton John (1+1),
- 2 Guess Who (1+1), + 1 Burton Cummings (1),
- 3 Rolling Stones (2+1),
- 4 Beatles (2+2), for a total of 25 disks.

There is one progressive rock (Jethro Tull, Aqualung), one jazz record (Moe Koffman), no classical, no soul etc. We also feel that the record collection is somewhat dated.

The "committee of three" claim that the responsibility for a balanced record collection lies with us, for, they claim, we could have told them which records we wished to hear.

Unfortunately, as they failed to point out, everyone was unaware that they had any choice at all in the matter, for this was kept hidden until the records were purchased. The "committee of three" fully took upon themselves the responsibility of choosing a balanced record collection. And, having failed, we feel that they should fully accept the blame.

Campus Record Reform Group  
(CRRG)

## GRIDWORD

This week we had 9 entries for the current contest and 2 late ones from last week. Since one of the entries was wrong (no AUGMEND) that left us with 8 correct which meant that we only had to flip 3 coins to pick **Ron Russell** as winner. Other correct entries came from Duane Kennedy, Doug McInroy, boff, Mark Hasselback, Nick Barker, Jim Gardner and David Taylor.

The correct solution had **WATSFIC** as the final word with:

UNMADGE = AGENDUM  
CLATOFRIA = FACTORIAL  
MACKWREATH = WATCHMAKER  
MINTSURE = TERMINUS  
TAMICLE = CLIMATE  
TERRAMES = STREAMER  
CENTINTLE = INCLEMENT

In case you forgot we give out free t-shirts to winners of gridwords and to creators of gridwords which we use. We have one gridword in stock which will be presented here eventually should we find someone willing to type it in. **WANTED: ONE(or more) GRIDWORD EDITOR(s)**.

No gridword this week but we do have a contest supplied by a friend. Change **FROWN** into **SMILE** one character at a time. For example, **WORK** to **PORK** to **PORT** to **SORT** to **SOOT** to **SLOT** to **PLOT** to **PLOY** to **PLAY**. The solution we have manages to change frown to smile in 21 steps. Deadline for submissions is the end of the month (Jan 31st Mon). A free t-shirt to the winners or winner of this contest.

**FASCIST**  
**SIR R**



Well here we are, another week gone by, and another column to write for **mathNEWS**. You who are reading this are probably of one of two streams of thought. You're either thinking "I wonder if this column is going to be worth reading this week", or, "I wonder what that fascist pig Risto is going to say this week". (the second group probably correlates well with those who boycotted the referendum.) Well, I'm not going to say much. (as you can already see by the length of this article) The main reason for this is that my CS371 assignment is due tomorrow, and it's time to get to work on that. However, I do have something to say, as short as it may be, and I'll be getting to that in a moment.

Firstly, however, I'd like to kill some space so that this article won't look so small on the page. Therefore I'm going to mumble on like this for a few lines, saying nothing of importance, and generally just wasting my time and yours. That isn't to say though, that this column isn't usually a waste of time and space, as I'm sure many of you believe. Anyways I think that I've now wasted enough space and, since you've been with me through this garbage so far,

then you should be interested enough to stick it through to the end, because now I'm going to get into the serious stuff.

And that is as follows. The Federation presidential elections are coming up next week. (Wed Feb 2) I'd like it known that I, myself, am a member of the Campus Reform Group. As such I am supporting the candidate of our group, Doug Thompson, for president. The Thompson/Campus Reform Group platform is one that we all can support. It calls for the opening up of the Federation to make it more responsible to the students. Reorganization will be done to improve Federation/Society, and Federation/Student, communications. It calls for more open Federation meetings, with agendas and times posted for all to see. We all know what a mess the Federation is in now and how badly this reorganization is needed. Basically the Federation has been completely stagnant since September, and it is time to get it moving responsibly, and constructively. Openness, housing problems, interaction with the community, in a responsible way, all need attention. Also, the platform is against the reinstatement of the chevron, unlike the platforms of some of the other candidates.

The AIA/free chevron people have been mucking things up for us for too long. Now is our chance, (now and in the forthcoming council elections) to tell them where to get off. We are damn tired of never being able to get constructive business done and need a change. The Campus Reform Group is trying to get the Federation to work for the students, not for radical minority groups. So I urge you to vote on Wednesday February 2, and vote for a responsible Federation. Vote for Doug Thompson.

And now to finish up by mentioning a few odds and ends. Gord Swaters (our token leftist at MathSoc) was upset last week when I used the word "reactionaries" to describe people like him. He said he would much prefer to be called a radical. Okay Gordon, so you're a radical, not to mention, as you would say, a social misfit. Also, I read last week's referendum coverage in the free chevron. It was almost exactly as I expected. Funny thing though, they didn't mention in their analysis any of the points that I made last week. I guess they just didn't think of any of those points themselves when they were making their analysis. I bet.

And finally, one final word. I was thinking that somebody should publish a directory of the names of everyone involved in the chevron dispute. It seems to me, that with all the articles being written from people whose opinions are from every corner, it would be good to have a guide so that everybody could tell the good guys from the bad guys. Maybe everyone could even wear numbers on their backs for easy referencing. I think that it would be a worthwhile idea.

And guess what, next week, I hope, I'm going to write about something less controversial (that is if I can find something else going on around here besides the Feds-chevron problems).

when in doubt

# BUR LOAF

Mathsoc decided that their office was too messy and that too many people were using the office as a place to store personal stuff, so they implemented a new policy of tidiness. Now when you walk in the office, you can see the results of their policy, "A Place for Everything and Everything all over the Place".

I found out that Mathsoc's new supply of records were indeed paid for by Mathsoc. Already, though, there is discontent among the masses (actually among a vocal minority of one, as far as I can tell) who claim that the collection is not a fair representation of all popular music. (That's this person's way of saying they didn't buy anything he likes.) The result is the formation of yet another campus group, the CRRG or Campus Record Reform Group. While questioning a Mathsoccer about the record collection, the CRRG representative was told he really ought to do something about Engsoc's AM music that is played in the E4 lounge. I can picture it now, a Mathie CRRGer advises Engsoc to put in a stereo so they can play decent music, and three days later, Mathsoc is missing one stereo system.

Here's a problem to fill in your time during boring classes: The post office is printing up a new issue of stamps of which there will be only 7 different denominations. Due to automation, only three stamps maximum may be put on an envelope (less than three may be used, some may be the same denomination). The denominations must be chosen such that, for some value N, postage for any amount less than N may be put on a letter. The problem is, what is the maximum N may be, and what denominations will the stamps be?

A mathematician, while walking up to an elevator in the building where he worked, noticed that something was wrong with it. The floor numbers on the indicator panel above the door read as: 5 G 2 4 1 3 6. Then he saw a sign stuck on the door which explained the malfunction. It said: *Out of order.*





# unclassifiable ADS

**Wanted:** Our CS 450 selection project. When ccong.manning marked these projects last term, he put them on a chair outside his (math) office December 23. Before we happened along this term, some person or thing lifted our project. I really don't understand selective theft of marked assignments. But beware, he will recognize it if you hand it in as your own at a later date. However, if you give it back, just to read even, I will be somewhat forgiving. Contact **mathNEWS** or rlbiddle.

**Wanted:** books by Philip Jose Farmer. The Daw book of PJF and the Ace double, Lord of the Trees/The Mad Goblin. Anyone wishing to sell these books or any other Farmer works contact jmanderson on TSS mail or phone 884-9239.

**Housing:** Wanted, someone to share a one-bedroom apartment. Approximately 1/4 miles from campus (19 High Street). Cost \$80 per month. Phone Kevin at 885-0081.

**Entertainment:** Come to the WATSFIC meeting in MC 5158. Every Monday at 7:30 pm.

**For sale:** 1000 mm, f/10 mirror lens. Included are 3 filters, lens hood, and carrying case. This MTO-1000 Zenith lens has a thread mount. For information phone 884-7499 or contact djmullin on TSS.

**For sale:** Top three buttons on all my shirts. Contact Bill P.

**Notice:** Regular and co-op students currently on campus and intending to come back in Spring 1977 should preregister now.

**Personal:** Gorgo, we miss you! Beam aboard before we are out of range. - Mom & Dad

**GRAD NOTICE:** The **Grad Club** will hold its Annual General Meeting on Thursday, January 27 at 7:30pm in AL116. Elections will be held February 14th.

**FASS'77:** Star Trek phased out. Tickets for Wednesday & Thursday are \$1.50. Friday and Saturday are \$1.75 each. Two performances on Friday instead of one.

**WINTER CARNIVAL IS COMING! WE NEED YOUR IDEAS AND SUPPORT! APPLY TO YOUR FRIENDLY NEIGHBOURHOOD SOCIAL DIRECTOR.**

**NEEDED:** Bodie(s) to fill positions of social committee. Apply mathSoc.

## Time for MIDTERMS

### Instructions:

Read each question carefully.  
Answer all questions.  
Time limit: 4 hours. Begin immediately

**History:** Describe the history of the papacy from its origins to the present day, concentrating especially, but not exclusively, on its social, political, economic, religious, and philosophical impact on Europe, Asia, America, and Africa. Be brief, concise, and specific.

**Medicine:** You have been provided with a razor blade, a piece of gauze, and a bottle of scotch. Remove your appendix. Do not suture until your work has been inspected. You have fifteen minutes.

**Public Speaking:** 2500 riot-crazed aborigines are storming the classroom. Calm them. You may use any ancient language except Latin or Greek.

**Biology:** Create life. Estimate the differences in subsequent human culture if this form of life had developed 500 million years earlier, with special attention to its probable effect on the English parliamentary system. Prove your thesis.

**Music:** Write a piano concerto. Orchestrate and perform it with flute and drum. You will find a piano under your seat.

**Psychology:** Based on your knowledge of their works, evaluate the emotional stability, degree of adjustment, and repressed frustrations of each of the following: Alexander of Aphrodisias, Rameses II, Gregory of Nicaia, Hammurabi. Support your evaluation with quotations from each man's work, making appropriate references. It is not necessary to translate.

**Sociology:** Estimate the sociological problems which might accompany the end of the world. Construct an experiment to test your theory.

**Engineering:** The disassembled parts of a high-powered rifle have been placed on your desk. You will also find an instruction manual, printed in Swahili. In 10 minutes a hungry Bengal tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decision.

**Political Science:** There is a red telephone on the desk beside you. Start World War III. Report at length on its socio-political effects, if any.

**Epistemology:** Take a position for or against truth. Prove the validity of your stand.

**Physics:** Explain the nature of matter.

Include in your answer an evaluation of the impact of the development of mathematics on science.

**Philosophy:** Sketch the development of human thought; estimate its significance. Compare with the development of any other kind of thought.

**General Knowledge:** Describe in detail. Be objective and specific.

/\* originally titled "A Test for Systems Analysts" in Modern Data, August 1973 \*/

Stolen by gsashby and submitted to **mathNEWS**



## CLASSIFIED



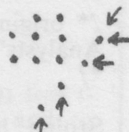
# PLAY PEN

The shocking disappearance of "Kid-dies Corner" after Christmas was extremely disappointing. It was discouraging to see my buddies falling asleep in Friday's classes. I remember the good times last fall—no one was asleep the day what's-his-name sat on the waterbomb!

The opportunities to demonstrate your genius and see your name in print have all but disappeared. We are going to copy sam'n'tak. (In their words, "After all, imitation is the highest form of flattery.")

**Puzzle One:** Using 12 trees arrange them into 6 rows with 4 trees in each row. Example:

This is how you



get 5 rows of 4.

That is an easy puzzle. Here comes a harder one, but first I'd like to say hi to J.J. Long. Hi J.J.

**Puzzle Two:** Using 25 trees make 12 rows with 5 in each. There are two answers to this one. If you get one, you're normal; if you get both you're incredible.

I will apologize right now for giving such a difficult puzzle. I'm sorry.

**Puzzle Three:** Find a word which follows the rest.

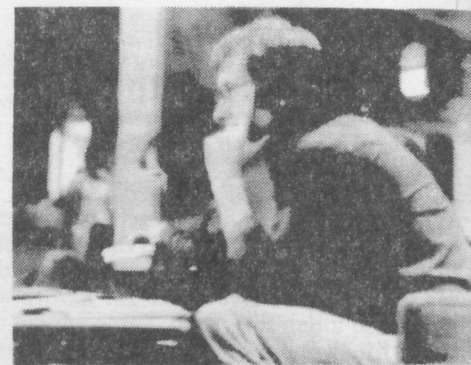
BAM, BLA, BROUGHT, BULRUSH, BAN, BUGLE, BESTOW,...

Recently the movie about Entebbi was on the idiot box. Many English Canadians are optimistic that after Idi Amin becomes PM of Scotland he will become dictator of the PROQ. (No, this isn't a nasty word associated with CS150 (WAT-MAP). It is short for The Peoples Republic of Quebec.) The feeling is that after a couple of years Quebec will be bankrupt, so we'll get it back as a gesture of good faith in a manner similar to the plane he gave back to Israel.

**Puzzle Four:** What has literally thousands of feet, no toes, and no legs? An apology for the really dumb joke (one of a dying breed) will come next week.

**Puzzle Last:** What is the next and only letter left in the sequence BFUARO? Clue: read mathNEWS closely.

I hereby propose a toast to anyone who gets this.



A Mathie Problem:

If a family has two kids, and you know that at least one is a boy. What is the probability that the other kid is a boy?

- 3/4
- 1/2
- 1/3
- 1/4

The answer is one third. If you have trouble understanding this, as our stats prof said tuesday, just try a little experiment.

It is now 1:09am Wednesday as I start yet another masthead. This time the typewriter is in the mathSoc office... also occupying the room are survivors of Randalls-all-nite-solar-system-space-war game... if some of these sentences seem a bit disjointed it is \*\*\* because I am also playing in the game. It can be sid beyond doubt that it(the game) has reduced the amount of useful bodies available to mathNEWS. We \*\*\* tryied to put this together on Monday but eventually gave up. We have 14 pages this week because we decided to do away with odd numbers... so Graphiv Sercices will attempt to produce 1200 of these even "headed"(or is it bottomed) issues. We are financed by mathSoc and are supposed to be independent of them in other matters. The stuff in mathNEWS is in the sole responsibility of its staff & contributors...if you can catch them... Our staff at various times this week were: TOM KEITH casting around for useful to do; STEVE..I thin I'll head down to the chevron office now, I haven't had a good argument all day..RISTO; BRUCE who had files that ocassionally were there and sometimes not MILLS, GLEN annoyance ASHTON; ALEX tramped black on the WHITE; DENNIS first try REKUTA; RON morning shift HIPFNER; MIKE marshalling the posse DILLON; DAVE why-don't-we-have-floating-in-the-air-aeroports GILLETT;we got a J.J.LONG out of the closet; boff got a gridsup; a credit to who wever took those pictures last term... they make great filler; RANDALL artiSt McDOUGALL oh well...just once more; a credit to our mysterious cartoonist; and I may have missed some people (did MSBRADER do anything before he resigned??) but I rarely forget what-his-name DENNIS your masthead typist & misspeller MULLIN. ADD TO PAGE 3: DENNIS, RUSSELL, BOFF We had some ones(ie plural) bring in a questionnaire and since we have the space... we bring you the masthead questionnaire(for GRADUATING students):

Purpose: To find out how many people are interested in a graduation celebration as a group. M67

- 1)Are you interested in an organized party? Yes\_\_\_ No\_\_\_
- 2)Would you prefer a)dinner and dance b)dance only
- 3)What price range would you be willing to pay? \_\_\_\_\_
- 4)Would you prefer a)live band b)disc jockey
- 5)How many tickets would you require? \_\_\_\_\_

Add comments & questions-----)

Send this to mathNEWS along with your name(and phone number if you want answers)

.....  
And now back to our regular masthead... some time in the near future we will be putting out some mathNEWS surveys...this was a semi-regular feature in the summer time... a table is usually set up outside the math lounge with sheets of interesting questions on them ..... ATTENTION! ATTENTION! ... this masthead has just been hi-jacked by Sir R. and is being taken to Cuba ...a special no thanks to Randall who thanks to his new game has had us all wasting hours on end ... so much for my 371 assignment due yesterday...recaptured by mullin at 3:42am... now out of fuel..