headless man votes Democrat

STUDENT'S' COUNCIL ELECTIONS

As a result of last week's election fiasco, the position of President of the Federation of Students may or may not have been filled. At any rate, there still remains the task of providing the highest officer of the Federation, whoever that may be, with a council. To this end, next week will see elections for students' council for the academic year 1974-75.

The student council of the Federation of Students consists of elected representatives from all facilities. In addition, there are also elected reps from the graduate students and for Renison and St. Jerome's colleges.

The council is the actual governing body of the Federation amd is charged with the administration and control of finances--the over $200,000 provided through the compulsory $11 student fee that all undergrads pay each term. As for other duties, all boards and committees within the Federation are responsible to council.

Math has 5 seats in total on the students' council. These consist of 3 regular and 2 co-op positions. One of the co-op seats has been acclaimed and is to be filled by Chris Trothen; the other co-op rep will be chosen by the spring co-op students in a June election. Because of the co-op acclamation, the only task for mathies this term is to decide on the 3 regular reps. There are 7 candidates--Carl Chaimovitz, Cindy Harris, Janice Halligan, Howard LeBlanc, John Long, Steve Shine, Thomas Weller-- seeking your support in next week's election. That's Wednesday and Thursday, February 27 and 28. The polling booth, to be located outside the lounge on the third floor, will be open from 9:30 to 4:30 on both days.

All candidates were invited by mathNEWS to submit platforms. These appear elsewhere in this issue.

math NEWS

forum falls flat

FACULTY of COSMIC PROFUNDITY

"I regret that there hasn't been more discussion," remarked Dr. P.A.Staal at "onday's forum, hastily arranged to discuss the proposed changes in the name of the math faculty. This remark certainly was tainted with irony as little more than a dozen students sat in on the ensuing discussion.

This rather poor response clearly reveals two things - the lack of interest on the part of students and/or the half-heartedness of the sponsors of the event, the Math Society. Although MathSoc council members voted unanimously last Tuesday to hold such an event, it was not until Friday afternoon that Dr.Staal was officially invited- a small notice, posted on the showcase outside the third floor lounge on Friday afternoon, was the only apparent attempt at advertizing the event. In fact, arrangements for a room were not completed until 1:25 Monday - 5 minutes before the forum was to begin. And, at that, the room (MAC3011) turned out to have a class scheduled at 1:30.

In any event, little that hasn't already been mentioned in past issues of mathNEWS came to light from the answer and question period. Dr.Staal reiterated his reasons for the name "Faculty of Mathematical Sciences" including, a more accurate reflection of what students in this faculty are actually doing; the term "mathematical sciences" is widely established; the subtitle of the degree, refering to the department of study, will indicate what the student has done; students caught in mid-stream will have a choice of degree.

The possibility of a two degree stream was mentioned by one student. Dr.Staal

ELSEWHEN

Fragments from mathNEWS, Friday, Feb. 23, 1973, one year ago this week. "...are you power mad? run for Mathsoc rep...";"...the latest mathNEWS is undoubtedly the greatest piece of tripe...";"...by the time you read this article, the Honeywell TSS will be modified, revamped, and generally new and improved..."; "...Are you getting ripped off?...";"...Following are the names and phone numbers of the candidates running in the Federation elections:..."

A PLACE TO STAND

Next Wednesday and Thursday, February 27 and 28, regular math undergrads will go to the polls to elect three representatives to Students' Council. Polls, to be located on the third floor of M&C outside the lounge, will be open from 9:30 to 4:30 pm.

On Monday of this week, mathNEWS invited all candidates to submit summaries of their platforms. Here are the candidates' submissions.

CHAIMOVITZ, Carl

(No platform submitted)

HALLIGAN, Janice

My name is Janice Halligan, and I would like to talk to you about the federation. The federation of students - it sounds as if it should have "united" preceding it (We do pay our "dues", you know). Unfortunately, the federation is everything but united right now, and I feel that it is time for some changes to be made.

The most important and most drastic change will have to originate with you the students. You have to start showing an interest in your federation (believe it or not, it is for you).

Self-interest (on the part of the students and the federation) is the major reason the federation is what it is today. How many of you feel you are getting any return on your $11.00 per term investment in the federation How many of you also think some changes are necessary? How many of you realize for instance, that the people you elect to federation council are candidates for appointment to the executive council? How many of you care ??

Very shortly, regular math will elect three representatives to the federation council. I urge you to vote, and when the election is over, I urge you to keep in touch with those you have entrusted with your interests. Let them know what you want to see the federation doing, what you agree or disagree with. This communication is of course a two way street, and I feel it is the representatives' responsibility to their constituency to do their best to keep them up to date on what is happening at council meetings, and to keep themselves in touch with the feelings of those they are representing.

HARRIS, Cindy

There is an increasing need to make the Federation a credible organization, and one that is recognized by the general student body (although I am specifically concerned with the Math population).

The only way to make the Federation a credible organization is to have enough interest to elect the representatives from your constituency who will directly input into the Federation council, opinions which you, as a Math student, hold.

Having been president of Math Society for the past year, I think that I have a good understanding of how the Math population feels on certain issues, and a relating of these opinions is most important if the Math student at all cares in what direction the Federation moves.

In any event, it is most important that, as a 'concerned' Math student, you vote for your Federation representative(s). Complaints, opinions, and suggestions can be dealt with in a positive manner, if you simply take the time to vote.

LeBLANC, Howard

My name is Howard LeBlanc and I am presently a 3rd year regular math student.

I chose to run as a candidate for math representative on the Federation council because I felt that it was important for math students to have people in this position to keep them informed as to the council's activities.

It looked pretty sad for Math students at first when it appeared as though enough math students couldn't be found to fill the positions available on council. But I'm glad to see that other people have also realized the benefit of having a representative on council, and chose to run as candidates.

Thus there are now 7 candidates for the 3 seats available on council for regular math representatives, and it will be up to you, the math students to be concerned enough to vote for 3 people you feel will work with and for you.

LONG, J.J.

My name is John J. Long, candidate for Mathematics rep on Federation council. Below I'd like to provide my platform for you, the Mathematics student.

The federation, - student and federation society links must be strengthened. With strong societies I feel that we can strengthen rather than weaken the federation. To do this the lines of communication must remain open. As a Math rep on council I feel I must help improve the Federation channels of communication which I feel have been improving but still can be improved a great deal more. I intend to report regularly to the Math Society council as I did when I was on the Campus Centre Board. Also I feel that council reps should regularly hold constituency

2

meetings and it is my aim to do so.

It is my opinion, like I believe it is the opinion of the majority of students, that we should have a permanent pub and I intend to support the Board of Entertainment in its efforts to have this pub and its efforts to run entertainment effeciently so that it could benefit the students the most. As well I believe that the increased services that the Federation has provided this year should continue and be expanded. In education I'd like to see the Federation sponsor mathematically oriented programs and continue support for anti-calendars.

As a rep on fed council I hope that you feel that I can provide the required leadership and represent you, the mathematics student at Waterloo, the best. Through my relations with Federation and Society members and my knowledge of those organizations I believe that I can fill these requirements. To accomplish this I would greatly appreciate your support and your vote in the Feb 27,28 elections.

SHINE, Steve

I ask you -- can you name a Math Rep of last year? Can't? Typical!

Why then does it seem like the majority of elected officers on this campus are always guilty of the criticism of being unrepresentative? Why, in particular, can criticism be levelled at the Math Reps to the Federation?

I was asked by mathNEWS to write a short platform asserting what benefits to the Math students my election will bring. The answer is none! There is not one function in which the Federation plays a role where the Math Rep can "represent" the Math student. In all the functions played by the Federation, the student body as a whole is the concern. Can you foresee a schism taking place in the Federation between the Math Reps (believing they are representing the "MATH student) and the Arts Reps (believing they are representing the ARTS student) over which group will play at the next concert? Can you imagine a Math Rep asking the Federation to purchase an IBM 360-158 for the Math Faculty. In the very limited realm of the Federation as the provisor of entertainment and cultural events there is nothing that separates the Math student from any other student on campus. And, contray to their promises (stated or implied), pleas and rhetoric, there isn't a candidate in this race who can deny this fact.

Therefore the main function of the Math Rep with regard to the Math student is one of communication. His main responsibility should be that the students are aware of the projects and plans of the Federation. It is here (to use an old and tired cliche) that I will do my best.

"It is easier to square the circle than to get round a mathematician."
-Augustus de Morgan

WELLER, Thomas

I feel that communication between the council and the student body has to be improved. A group of 20 people representing a group of 10,000 needs an organized system to communicate. There are a variety of ways to obtain this, a good one is to use the society newsletters to record the pertinent minutes of any council meeting that relates to the faculty itself. For instance, financial support, if any, to such things as mathweek, or sponsoring say, a series of lectures such as were presented to Math undergrads less than a month ago.

This is only one-way communication. However, there must be notice made of student response. Surveys carried by the newsletters are one way, and surely with the minutes published regularly, response will at least reflect the majority opinion.

Communication will be heightened by familiarity and I hope to utilize this. Forums are a good way to know the reps but to take the math example, 100 people were at the forum for President, less than 7%. Why does the council, when effectively organized, not make a publicity drive to get the reps known? If there was one in October, it seems I missed it. Anyway what is needed, in my opinion is an eye-catching article or two to let the reps be known. If they are known by face alone even, council may receive more suggestions, criticisms, querys, and comments, which is what I am all for.
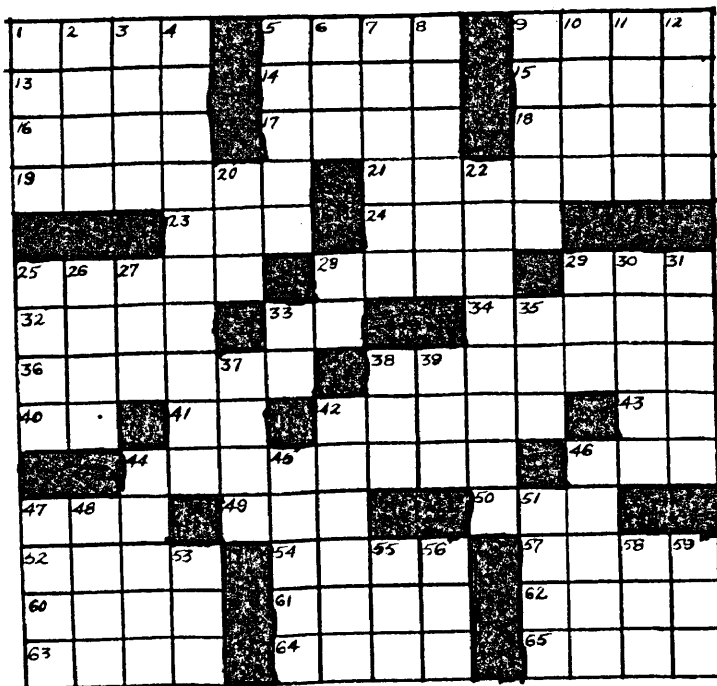
magimatician

Shakuntala Devi's demonstration of her arithmetical prowess got off smoothly despite the angry throngs outside the doors who found out, too late, that tickets were required.

To give her credit, Shakuntala put on a fine show. She was quite fast and extremely accurate, and she did do several very impressive calculations. But the demonstration fell short of its claims. Most of the problems were of two types -- "day-of-the-week for a given date" types (which can be done using a relatively simple formula), and cube roots, which almost invariably had a 3 or 4 digit integer answer, which, with the algorithm, some memorization, and practice, are not really all that difficult.

Also, Shakuntala spent the first 10 or 15 minutes collecting problems, which she read as they were recieved. As she seemed to be able to remember the problems, this gave her a fair amount of time to work on them.

By far, the most incredible part of her performance was her uncanny accuracy. She only made one mistake (which she quickly corrected). But apart from this, it was more of an hour's entertainment than a sample of "faster-than-light" arithmetic.
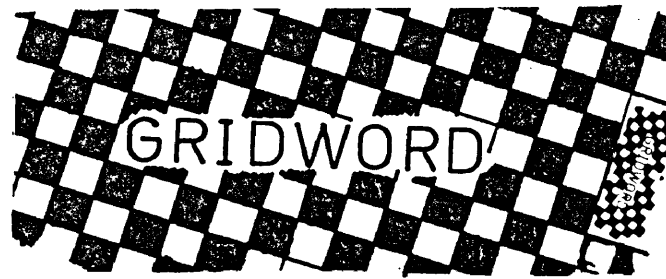
down

down

1. dead jury
2. operatic solo
3. inventor of polaroid camera
4. whip
5. popular Greek philosopher
6. help
7. space over
8. save
9. loss
10. gather in
11. diseases
12. colourless
20. finish
22. government giveaway
25. leveler, support
26. inspect (slang)
27. popular liquid
28. himself (Fr)
29. brown skin
30. excited oxygen
31. medium weight particle
33. ego
35. remove
37. less than few
38. piece of clothing
39. John ____ Lennon
42. mix up
44. child's card game
45. garbage
46. cut back
47. whence comes milk
48. petite gymnast
51. ____ Youth: Dostoyevsky
55. ____ Piao
56. a popular library
58. home for pigs
59. long fish

name _ _ _ _ _ _ _ _ _ _ _ _ _ _

across

1. a root of $4x^2+2x-2=0$
5. two pairs
9. post nasal ____
13. Russian mountains
14. one dimensional point
15. Ethiopian English
    Language Association
16. one ship of Columbus
17. augments
18. spherical object
19. useful utensil
21. moon over sun
23. bubbly bubbly bubbly ____
24. night in Paris
25. bull out
28. in ____
29. one of T,D &H
32. hard rain
33. id est
34. touch barely
36. popular novel by Huxley
38. type of cars
40. I
41. at
42. a ball
43. what she said
44. fortress of evil in
    Washington
46. jail
47. also
49. make a mistake
50. black shit
52. big animals
54. willing
57. deception
60. eons
61. skinny
62. first bet
63. girl
64. old ladies
65. ____ conformal curvature
    tensor

GRIDWORD

Again this week we were flooded with responses to the gridword. Sixty solutions were turned in of which only 39 proved to be correct. About 90% of those who erred did so in the bottom left hand corner which is not surprising at all. This week's winner was Samuel Henning.

To DM: You're wrong. 'alta' is the feminine form of 'alto' which means high in Spanish. To CD: As you say, Maya is the name of a tribe in Central and not South America.

We realize that at the start of the term we had a severe lack of gridwords and when we asked for more you responded well. Unfortunately we are now overstocked (no, we're not going to have a sale). We now have about four or five more than we require for this term so we must ask you please do not send in any more. If you do they'll just be filed for next year.

Gridword Contest: Again this week mathNEWS is awarding 2 free math T-shirts as prizes in our gridword contest. The first T-shirt goes to the creator of this week's gridword. The second will go to the person whose entry is selected in a random draw from all correct solutions received. To enter, have your completed gridword in te mathNEWS file in M+C 3038 by 3:30 pm, next Tuesday. Include your name and telephone number. Winners claim your prizes in M+C 3038 and have your name crossed off the winners' list.

unCLASSIFIED

TO SUBLET: 2 bedroom apt., suitable for 4 people, Waterloo Towers. Appliances and utilities included. Summer term 1974. One month rent free. Phone 884-2137

WANTED: Good percussionists for U. of W. Concert Band. Meets Wednesdays at 5:30-7:00 p.m. AL6. Instruments provided.

NOTICE: Paralegal Assistance offers free non-professional legal advice. Phone 885-0840 or drop in room CC106. New office hours are Monday and Thursday 7 to 10, and Tuesday and Wednesday 2 to 5.

NOTICE: The final Black Bubble Coffee House is this coming Tuesday in Engineering 4 Lounge from 8 to midnight. This week's entertainment: Ross Wilson, Bernie Martin and Cindy Harper. Fresh coffee, assorted teas and homemade baking.

HAPPY BIRTHDAY: To Marianne from Barb, Liz, and South C.

HAPPY BIRTHDAY: To Rob from Tibber, Barb, and Sharon.

CANDLE SALE: Feb. 26, 27, and 28, Food Services at noon, villages at dinner. Another Circle K project.

THIS $\sum$ THEOREM WEEK'S

PROVE: The sum of a sequence of whole numbers can be a fraction.

PROOF: Take the following sequence, whose sum we can call X:

$$X = 1-1+1-1+1-1+1-1+1-1+1-1+1-.....$$

$$= (+1) + (-1) + (+1) + (-1) + ...$$

Now, add this sequence to a copy of itself in the following manner:

$$2X = (+1) + (-1) + (+1) + (-1) + ... \\ + (+1) + (-1) + (+1) + ...$$

$$= 1$$

Therefore

$$X = 1/2$$

Therefore the sum of a sequence of whole numbers can be a fraction, meaning whole numbers are not closed under addition.

As a further example:

$$Y = 1-2+3-4+5-6+7-8+9-10+11-12+13-...$$

$$2Y = (+1) + (-2) + (+3) + (-4) + ... \\ + (+1) + (-2) + (+3) + ...$$

$$= (+1) + (-1) + (+1) + (-1) + ...$$

$$= X$$

$$= 1/2$$

Therefore,

$$1-2+3-4+5-6+7-8+9-10+11-12+13-...$$

$$= 1/4$$

(PROFUNDITY cont'd from page 1)
noted that he personally likes this idea – the retention of a B.Math program for those students wishing to stick to core mathematics courses, and a B.Math.Sc for others. However, Prof. Staal added that he fears that such a system would not be politically viable and further that there exists the risk of the B.Math.Sc being treated as an inferior degree to a B.Math. Hence he chose to push the one degree.

Dr.Staal concluded that names other than "mathematical sciences" have been considered but that he remains convinced that there is none better. However, the pure math prof jokingly added that his personal favourite is still "Faculty of Cosmic Profundity".

math ETICS

waterpolo

We had a great turn out for the game this week, in fact, we had to lend the "Wetheads" three players and still swamped them. They just weren't fast enough to catch the " Sea Horses " tonight. No-one kept score, because we didn't want to make them feel too bad, but I think it was close to 200 to 2. (We'll just say we won, thanks to: Hans (the goalie), Rick A. (admiral), Rick, Carolyn, Steve (gotcha!), Ken, and Del, etc.)

The <u>last</u> game is on Feb. 26 th, see you all there.

A special note: on March 9 th there will be the first invitational Innertube Waterpolo Tournament with teams from about 4 other universities. The teams for this tournament will consist of 4 guys and 4 girls (with subs, I think). For more information, or details, contact Janice Halligan at MC 3038, or 576-8206, OR the Men's Intramural Office.

basketball

Co-op Math, behind the impressive, exciting 16 points scored by number 21, defeated Optometry on Monday night, 48-30. Their record now stands at 3 wins, 1 loss.

hockey

Regular Math squeezed into first place in League <u>y</u> last Sunday with a 1-0 verdict over Team Waterloo. The win was fashioned on a second period goal by Bob Milette and Bob Denny's shutout netminding. For the second straight week Reg Math ran into a hot netminder but still posted the win, their second shut-out in succession.

This Sunday Reg Math (4-0) face Environmental Studies in the clash eagerly anticipated by all. Gametime is 11:00pm at Moses Springer with a large crowd expected. Mathies are urged to get out and support <u>your</u> team. On Tuesday Reg Math meets Arts at 9:00pm at Queensmount.

PALATE CONTEST

IT'S BEEN SAID

"A mathematician who is not also something of a poet will never be a complete mathematician."
   -Karl Weierstrass

"Mathematicians are like lovers ... Grant a mathematician the least principle, and he will draw from it a consequence which you must also grant him, and from this consequence another."
   -Fontenelle

"Arithmetic is one of the oldest branches, perhaps the very oldest branch, of human knowledge; and yet some of its most abstruse secrets lie close to its tritest truths."
   -H.J.S.Smith

CARTOONIST

The roving eye of our omniscient editor has been casting about the third floor lounge and has fallen favourably upon the artwork of several anomymous cartoonists who have been practising their humble trade on the blackboards. If the aforesaid artists would step foreward, our benevolent editor would graciously bestow upon them, the coveted privilege of performing their craft for mathNEWS.

CCB REPort

At the February 6th meeting of the Campus Centre Board, a letter was read from the Vice-President Financial and Operations, asking for as account of the income realized by the Board concerning the Games Room.

At the time that the Games Room opened in August, 1972, the Federation and the Board agreed that the income would be divided in the following manner:

1) the owner of the machine would receive 50% of the income
2) salaries for these people working in the Games Room would come from the remaining 50%; then the Federation and the Board would split the balance

The total income from the Games Room from October 11 to April 30,1973 was $24,262. After the owner received his 50%, and the wages were paid to the students (amounting to $5,530) the Federation and the Board split the difference, each receiving $3,151. This the Board put into a separate account, and used it to supplement their budget, covering expenses such as honoraria, films, graphics, for the great hall, potted plants, and refrigerator for the turnkey office.

The Board had not attempted to keep this other source of income a secret, but neither had they informed Financial Services of it. The Board then agreed that the Chairperson of the CCB should submit a complete report to the Vice-President Financial and Operations as soon as possible.

It should be noted that the question was raised as to why Financial Services had not been informed of this income; the reason given was that they were originally afraid of a budget cut, although, since this income is not on a continuous basis, this reason is unfounded.

The only other piece of information concerns room 135 in the Campus Centre. This room will be open for use by any student each weekday during the day only, unless it has been booked by a group on campus for a special meeting.

The next meeting of the Campus Centre Board will be on Thursday, February 21, in CC135 at 1:30. Anyone is welcome to attend.

Cindy Harris
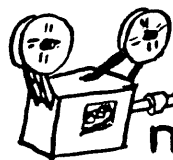
maTHeatre

Once again for your pleasure and edification, Mathsoc presents free movies. On Tuesday, February 26, at one o'clock sharp in MC 2065 you will have an opportunity to view:

W.C. Fields in 'The Pharmacist' and Charlie Chaplin in 'The Bank'. There is no admission charge.

TRAGEDY

Act I Scene I

A secret meeting room in the Math building.

Enter Dr. Staal and Math Faculty Council members.

Dr. Staal: O Math Faculty, Math Faculty! wherefore art thou Math Faculty?
Deny the students and refuse thy name!
Tis but thy name that is my enemy.
Thou art a science, thou not a math.
What's math? It is not arts, nor engineering,
Nor environmental studies, nor human kinetics,
Nor any other field studied by a man.
O, be some other name!
What's in a name? That which we call a rose
By any other word would smell as sweet.
So Math Faculty would were it not Math Faculty call'd,
Retain the same courses which it owes
Without that title. Math Faculty, doff thy name.

Exeunt omnes.

Matthew Masternak

MATHSOC ELECTION

Nominations for MathSoc elections on March 13th and 14th opened Wednesday morning at 9:30, and they run until Friday March 1st at 4:30. The following elected positions are open:

i President
1 Vice-President
2 2A Co-op
1 2B Co-op
3 2nd Yr. Regular
1 3B Co-op
3 3rd Yr. Regular
3 4th Yr. Regular

Nomination forms may be picked up in the MathSoc office, along with rules and regulations governing elections.

If you want to make your society keep on working, pick up a nomination form in the MathSoc office.

For further information, contact Jim Sinclair, chief returning officer, or Cindy Harris.

"Strange as it may sound, the power of mathematics rests on its evasion of all unnecessary thought and on its wonderful saving of mental operations."
-Ernst Mach

7

presidental election
NULL & VOID

The first meeting of the Federation of Students' Council since the election convened Sunday night at 8:15, 45 minutes after the scheduled time. An elevator foulup in Student Services prevented some council members, including President A.P. Telegdi, from reaching the council chambers for another 20 minutes.

The agenda was changed and rechanged after the minutes of the previous meeting and an amended B of E report were approved. The council got down to the main issue of the meeting --last Thursday's Presidential election.

Argument centred on Ann Knechtel's election committee. V.P. Steve Treadwell and Treasurer Tom Duffy felt that the matter should have been tabled so the election committee could make the report that apparently was expected of them. This proposal was dropped and Paul Dobrocky's motion to validate the election was withdrawn. Discussion concerned Dobrocky's supposed support as Engsoc president for Andrew Telegdi as well as being on the election committee. Dobrocky defended his actions saying that he had two separate jobs.

Ann Knechtel read reports of each candidates appeals which were handed in before the elections ballot counting. The accusations were quite long and I shall not go into them at this time. Somewhere along the line the chair was handed over to Tom Duffy. Dave Robertson backed by Shane Roberts proposed and passed a motion to take the meeting to Committee of the Whole. Peter Yates took the chair later to hand it back to Tom Duffy.

Since Baron Loader was not present and had not called for any disqualifications explicityly and would refuse the presidency if both the other candidates were disqualified, the controversy centred on the Telegdi-Assman confrontation and allegations. An attacker/attackee format was adopted by the Committee of the Whole with Assmann starting the attack. He charged Telegdi's forces tampered with his posters and that Telegdi, by meeting with a residence council, was campaigning. Also there were complaints against the supposed libel in the Coryphaeus. Telegdi, in turn, claimed Assmann's supporters ripped down his posters. Telegdi felt his meeting with the residence council was not campaigning, and he denied working for the Coryphaeus.

Telegdi charged Assmann's workers with distributing Committee for a Fair Election handouts. Shane Roberts said that Dave Robertson, who distributed the handouts was not connected with Assmann's campaign. Also Telegdi charged the Chevron with using students' money to put forth its bias.

The meeting moved along with name calling and arguments by both sides, council members and spectators. Three recommendations came out of the Committee of the Whole: 1) to declare the elections null and void (D. Robertson), 2) to validate the election (Dobrocky:Treadwell), 3) to dissolve the Federation(by Art Ram in a moment of disgust).

The motion to declare the election null and void came to council and was voted on. Here are the roll call results:

For	Against
J. Morris-Arts	L. Battista-Arts
E. Moore- ES Co-op	M. Telegdi-Arts
P. Walker-Grad	T. Duffy-Eng
S. Roberts-IS	S. Treadwell-Grad VP
M McAndless-Math	M. Tooley-HKLS
L. Solveson-Math	L. Pearson-Sci
B. Rutledge-Co-op Math	P. Dobrocky-Eng
N.Kowalysyn-Co-op KIN	P.Lanouette-Co-opMath
D. Assmann-Sci	A. Telegdi-President
A. Valiant-Sci	

As this motion was passed many people left the room. Quorum was called for and in the resulting confusion Chairman M. Lawlor adjourned for the meeting, leaving the entire mess to a Wednesday meeting called to reconsider the motion (with T. Duffy giving notice of motion) which declared the elections null and void.

J. J. Long.

"I do not know." - J.L.Lagrange

"In mathematics he was greater than Tycho Brahe or Erra Pater; for he by geometric scale could take the size of pots of ale."
-Samuel Butler

WORDS OF WISDOM
by Ishmaile

Well, here I am again after a lengthy absence. In case you've never seen WORDS OF WISDOM before, this is the column that you will read every week. I'm not saying this column is better than anything else in this newspaper--it is, but I'm not saying that. What I am saying is that this column is different from the other crud you read around campus. Unlike what you are used to reading in the Chevron, mathNEWS, Enginews, the Gazette, etc., I will not write about:

- the Federation of Students,
- course work,
- the Math (or any other) Faculty, MathSoc,
- campus athletics,
- imperialistic-capitalistic "oppression" of the working class,
- boycotts (who are we supposed to be boycotting this week?),
- the "oppression" of women,
- and especially computers!

Each week I will end the column with a small list of what I consider to be some of the great disappointments of our time.

And away we go......

8

Have you ever noticed the way the English vocabulary seems to be changing these days. Maybe "changing" is a bad word. Certain people seem to be inventing new ways of expression. You know what I mean. Never use a short word if you can use a long one--or better yet, use a phrase of long (often misused) words.

For instance, nobody looks for a "good way" to do something anymore. They look for a "viable alternative". When the Campus Centre Board decided to have something green adorn the hallowed halls of the students, they went out to search for a "viable plant".

Politicians who tell us things that are not true are not liars--they are simply expressing opinions "which have become inoperative". White-collar workers are now "bureaucrats", or better yet "technocrats". To find a phone number, you don't dial Information, you consult "Directory Assistance". Janitors are "custodians". Mathematics is really the "Mathematical Sciences". The gym is the "Physical Activities Complex". A garbageman is a "Sanitation Worker". Chairmen are now "chair-people" (Daddy, can I be a fireperson when I grow up?). And the list goes on and on.

I think we ought to do something about the blatant misuse of language these days. After all, we all know that the independent principal expression, of a linguistic expression, can maximize the probability of successful two-way communication on an ad hoc basis. Any discrete auditory configuration mode, suitably abbreviated, can suffice to enhance and maintain a sophisticated means of conversational expression.

In short, the philosophy of commonality and standardization cannot be mistaken for the incorporation of a constant flow of effective information, functionally identical to a transitory symbiont, but neglecting the primary interrelationship which can tend to imply a reconfiguration capability, obviating the necessity for an extensive stochastic peripheral structure.

Of course, that's easy for me to say.

ISHMAILE's List of Great Disappointments (I)

-progressive education
-the Ontario Federation of Students
-Art Ram
-Operation Candor
-bags of potato chips that are one-third full
-Information Canada
-turnkeys
-Women's Lib

REMINDER

This is a reminder to all mathies that the last day for dropping courses this term is MARCH 4. That's one week from next Monday!

UNDER THE DOME

Well here it is........ what you've all been waiting for.....some news from the Applied Math Dept.!!

This week's news comes from Doctor Trushel who is leaving his post here to become Vice-President of a soon to be incorporated company, Dyna-Dome. This company has acquired the rights to the Dyna-Dome connector for geodesic domes which is essential to their construction.

Geodesic structures were invented by Bucky Fuller and involves taking a platonic solid, for example, an octahedron or an icosahedron, and dividing them by bisecting (or trisecting, etc.) their sides. The points of intersection are then projected onto the surface of the sphere.

The designing of geodesic domes requires the calculation of the cord factors, ie. the distance between the points projected on great circles of a sphere. The actual calculation of these cord factors may be accomplished by employing spherical trigonometry, which is the method used by Bucky Fuller when he invented them. An alternate method is the use of Antalytical geometry used by Joesph Clinton in his work for N.A.S.A. The latter method is used by Doctor Trushel in his plans for designing other spherical based structures in his work with Dyna-Dome.

Geodesic domes provide a very inexpensive structure. A number of them are currently in use as homes and a 40 ft. structure (1,250 sq,ft.) costs only $3,770 at $3. a square foot. The price includes pre-cut 2x4's and plywood covering, the patented connectors, shingles, and instructions in assembly. All of which gives you a strong, light, waterproof structure. You can add windows, doors and any modifications by conventional methods, so you can design as you please. An equivalent home would cost $30,000 built by conventional means. Doctor Trushel hopes to build a two-story, 40 ft. dome for him and his family.

Next week.....how the Administration plans to solve the student housing problem by building geodesic domes using student labour.(you apply for residence, pay for it and build it when you arrive).

ALTERNATE BREAKDOWN
• VERTEX UP •
ONE ICOSA FACE IS OUTLINED

1 FREQUENCY
1ν

2ν

3ν
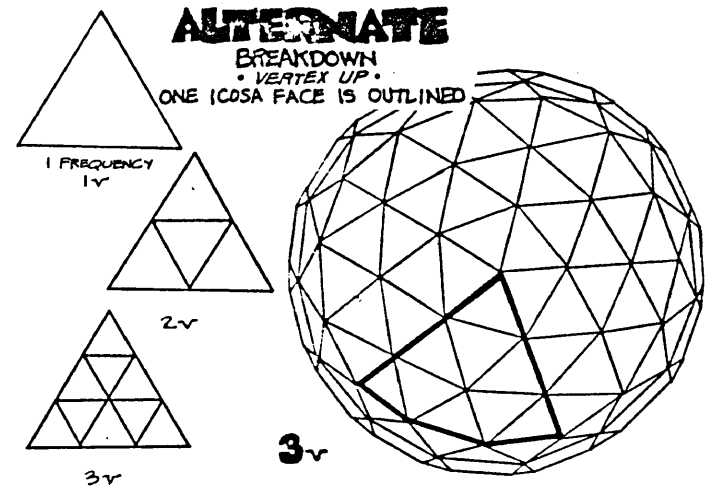
OFFERS COURSES

The following Computing Centre non-fee, non-credit courses will begin next week. To register, please contact Ms. Andrea Dietrich, the User Services Secretary, in M&C 2008 or at extension 3271.

Advanced concepts in WYLBER (2 hours)
WYLBER is a terminal system which provides powerful text editing, simplified command language, file handling features and remote job submission facilities on a communications terminal.
This course is designed for WYLBER users who would like to expand their knowledge of WYLBER. Topics discussed will include advanced text- editing and formatting features, dataset manipulation and catalogue management, and writing and debugging EXECUTE files. Recent improvements to several WYLBER commands will also be demonstrated.

DYNAMO (1 1/2 hours)
DYNAMO is a continuous system simulation language employing a simple but efficient integration scheme described by time subscripts. The seminar will be a discussion of DYMANO concepts illustrated by an inventory control programming example.

CSMP (1 1/2 hours)
CSMP (Continuous System Modeling Programme) was designed for the digital simulation of continuous processes which frequently occur in the physical sciences. The simulation model may be prepared from either a block diagram representation of an analogue computer, or from a set of ordinary differential equations which describe the continuous process. One of the most common uses made of CSMP at this installation is the numerical solution of initial-condition differential equation problems.
This seminar will highlight the commonly used features of CSMP.

tickets next week
GRAD PARTY

A limited number of tickets will go on sale next Monday, February 28 for this year's Graduation Party. The event is being co-sponsored by the math society and mathematics dean W. F. Forbes, and will be open to all math students graduating this year. Members of the faculty are also invited to attend.
The festivities will take place int the Viennese Ballroom at the Waterloo Motor Inn. The bar will open at 6 p.m., dinner is to be served at 7 with dancing to Junction to follow at 9 p.m. Dress is informal.
Tickets, at a cost of $4 per person will be available in the mathroom (MC3023) from February 25 through to March 11 or until supply is exhausted.

BUSY! BUSY! BUSY!

The CSC trip to the University of Western Ontario on Thursday February 14 was a success, most enjoyable for all those that went. 33 of us made it through the day. In the morning, we had a tour of the UWO Computing Centre, consisting of a CDC Cyber 73 and a DEC PDP-10, and an interesting discussion with some of their software hacks. They apparently have the same type of red tape to go through as we do to get more hardware, software, resources, etc. Response time on their PDP-11 time-sharing system was very unimpressive. Each student taking a course involving the computer gets a PDP-11 account with fixed $$ resources, which he cannot exceed (allowing for exceptions, of course). The PDP-10 is supposed to be used for time-sharing, and the Cyber 73 for batch. Almost all of the terminals on the 10 are teletypes (slower than 2741's!). Maybe we don't have it so bad here after all.

In the afternoon we were hosted by the Department of Computer Science (in the Engineering Mathematical Science building, if I remember correctly). They have a PDP-8 with a small graphics scope, and a PDP-15 with a larger scope. Kee Dewdney treated us to a discourse on artificial intelligence, and a demonstration of the Bug. Professor Ted Elcock talked to us about pattern recognition. These two talks will be treated in the article "UWO's Artificial Intelligence", to appear in next week's mathNEWS. We also met Dr. Hart, Chairman of the department, and talked about the possibility of exchanging account numbers for CSC members. Hopefully, we will be able to report further on this in a few weeks. UWO no longer has a Computer Science Club, so we are putting them on our mailing list. Maybe the news of all the exciting things our club is doing will incite the students there to reform a club.

Another news spectacular this week was the turning off of the CSC's Computing Centre account numbers, because of the inconsideration of a few. A certain unnamed person, on Wednesday evening the 13th, ran off 10 copies of a lewd sign. This fact came to the attention of ...., hence to the attention of ..., hence. The account numbers have been reinstated, but may disappear for good if misused. Club members, please obey the two following rules when using our Computing Centre account numbers: 1. NO posters, signs, or such "waste", and 2. no course work is to be done on our numbers. Our account numbers are not provided to do either, but rather for educational purposes. As for the course work, if you want to use a certain facility such as VM or Wylbur and no course number is provided, and you have a good argument for using said facility, hassle your prof to get the appropriate numbers. Under such circumstances, it would not be ill-advised to use our numbers in the interim period until a course account is assigned.

Ms. Devi gave her performance Monday afternoon, but she brought along her own guy with a calculator, and was not interested in racing against the Honeywell. Maybe she's heard how fantastic our Honeywell is? Whether or not she is faster than a computer her capabilities are certainly plausibly astonishing.

Ribbit, the club's chess program, is starting its long climb to the top. We have applied to the Chess Federation of Canada for membership for it. Ribbit is entering the K-W Chess League Chess Tournament this weekend, to be held in the cafeteria of St. Jerome's High School in Kitchener all day Saturday and Sunday. Ribbit's game is continually improving, and it shall try to place in the top 10 in this tournament too, as it did in the Mathsoc Chess Tournament. Anyone willing to shuttle one body and one terminal this weekend would be most appreciated -- see Jim Parry in MC 3013A. A K-W Record reporter was made aware that Ribbit would be entering the tournament, so maybe we'll get a bit of a spread in the Record.

There are still lots of projects on the Honeywell for peoples to do if they have the free time, and are willing to volunteer. No meeting has been planned for next week, but we hope to do something about that, and have the posters up later this week. We're having lots of fun. Why don't you join us?

For more information on the Computer Science Club, or on Ribbit, or on joining the Association for Computing Machinery, see Jim Parry in MC 3013A.

All you CSC members out there, please make sure you have mail files on the Honeywell, else you miss out on all sorts of interesting news!

FEEDBACK

mathsoc's example

mathNEWS:
We would like to second Dennis Ablett's comment in last week's issue of mathNEWS. The third floor lounge would indeed be greatly improved if more people would spend that extra ounce of energy and throw away their own garbage.

However, we do think there is a reason for this slovenly behavior. Undoubtedly, we are just following the example set for us by Mathsoc in their Tuesday meetings in room 3010. Believe or not, folks, this small room on the third floor can hold as much garbage as the entire Math lounge. And so, Dennis, perhaps when we get the gerbage out of Mathsoc, we'll get the garbage out of the Math lounge.

Carol Paget
Richard Collen
3B Math

mathSNOOZE

mathNEWS:
On Jan. 28 and Jan. 29, 1974, at the invitation of the Division of Mathematical Research, the distinguished Professor Garrett Birkhoff (Harvard) gave two popular talks to a packed house in M+C 2065,
On Jan. 30, 31 and Feb. 1 he gave three more technical talks to graduate students and faculty.
On Feb. 15, mathSNOOZE says (paraphrased):
"...what ever became of the Div. of Math. Research... and the distiguished lecture series..."

'nuff said

P.J.Ponzo

disappointed

mathNEWS:
Witness another example of Mathsoc incompetence. The Shakuntala Devi demonstration was wonderfully advertised - with the exception of one point - the fact that admission tickets had to be obtained ahead of time. Was Mathsoc insuring that they and friends got in while others didn't? A lot of students were left out in the cold because they didn't read the small print, hand-written on a few posters.
Shouldn't the sponsors have foreseen the large turnout and perhaps booked a larger room? Let's try for better planning in the future.   Disappointed Mathie

(Note: mathNEWS received the following letter independently of the preceeding letter. it was not intended as a rebuttal.)

apologies

mathNEWS:
I would like to apologize to those students who were unable to get tickets to see Shakuntala Devi last Monday afternoon. Unfortunately we were unable to book a larger room for Miss Devi; since she gave us a specific time when she could appear. We had to work around her schedule.
Realizing that M&C 2065 only has 200 seats, and also realizing the number of people that wanted to see her demonstration, we had to assume that people would not mind uncomfortable seating in order to see Miss Devi. That was the reason for 250 tickets being given out.
As far as the list outside the MathSoc office was concerned, it was there only as proof to Miss Devi that there were many other students who were unable to secure tickets for 4:30, and who were interested in seeing her, in the event that she would agree to give another demonstration. Those people who did ask in the MathSoc office if Miss Devi would give another demonstration were told that she might, but there was no guarantee that she would definitely do it. The subject was broached to her, but she explained that she would be too tired to give another demonstration.
I apologize for any misinformation that was presented.
Cindy Harris

pucker's reply

mathNEWS:

In light of the unprovoked attack on the Regular Math hockey team in last week's issue of mathNEWS, this letter is designed not just to tell the other side of the story but rather to exhibit facts that were glossed over in the fable entitled "Puck Hogs".

Not only were several items in the letter as fictitious as the pseudonym "Halewood Halebruin", but several analogies between intramural hockey and professional leagues were completely irrelevant and incoherent.

First of all, the allegation that there is a $1,000 sports budget almost entirely at Reg Math's disposal is a statement by an illiterate who has little or no knowledge of Mathsoc proceedings.

The budget for Mathletics for 1973-1974 is $1,100 which is approximately one-twelfth of the entire Mathsoc budget. From these funds, Mathsoc sponsers teams in basketball, broomball, volleyball, inner-tube waterpolo, lacrosse, soccer, flag football and hockey. While it is true that hockey receives more than the other teams, this is due to the expense of obtaining ice time at various community arenas. However what Mr. Halebruin (sic) neglected to mention was that three Math teams - Reg Math, Math Conquistadors and Team Cracker received money for ice-time last term. In fact, even Village I West, the shining heroes of last week's fairy tale, received one hour's practice time gratis, since the bulk of their talent is make up of Math students. (Let it be duly noted that it is not intended to include the author of last week's letter among the talented).

This term, insufficient players turned up to play Math hockey and reluctantly it was decided to only field two teams.

As for comments regarding releases of players, the writer was jeopardizing his poetic licence when he speculated about summer draft meetings, lucrative advantages, no releases, etc. Most remarks were obviously figments of his vivid imagination and are not worth repeating. However, one point was particularly in discordance with the facts.

No player has been refused a release from Math hockey to play for another team. Not only were Village West beneficiaries of this liberal view but even Village I East, the defending champions, picked up two players released from Math this term.

It is a standing policy that as many teams as necessary will be formed to give all Math students a chance to play intramural hockey and it would be pettiness to refuse a release to anyone who would rather play elsewhere.

In regard to the analogy of the Paris Peace Talks with obtaining releases, this may be a valid claim if the Paris Peace Talks were conducted in a telephone conversation lasting under two minutes! Now that the facts have been stated, it is now time to inject a few personal observations on behalf of the Reg Math team.

As most are aware, Reg Math has an enviable hockey record over the past three years with four consecutive Bulbrook Cups and an undefeated record spanning three seasons and some forty games until the loss to Village I West on penalty shots in double overtime.

Village West were deserving of the upset with their determination, hard work, and the great goaltending of Randy Kubek, all keys in the win. However to say that Reg Math were never in this 2-2 contest bears no resemblance to fact and only reflects the lack of objectivity inherent in last week's farciacal and fictitious fable. The game was as close as the score suggests and, in retrospect, the odds of winning yet another game and championship finally caught up with Regular Math.

As for being referred to as "power-tripees", "bums", "Regular Math Mouthies", etc. we can only ask "who did all the name calling in last week's letter".

Pat Fallon et al

Due to next week's mathNEWS holiday, we have prepared an extra large issue this week. Thanks this issue: Cindy Harris, J.J. Long, Joe Peters. Don't forget the Palate Contest, it _is_ on the level. Among our mid-term depleted ranks, early this morning, we were: Pete(first but not most) Raynham, Susan Berg, Bob White, Mark Saaltink, Mark Shields, Randall(where is the catalogue password???)McDougall, Jim Webb, Phil Lanouette, Norm Macdonald, Dave(who didn't get away early, again)Newell, rfallen, Janice Halligan, Peter Walesch, and Ishmaille. Not to forget our editor, John (losing his eyesight,not to mention his mind) Peebles. See you in _two_ (count 'em, 2) weeks. Next mathNEWS night: Tues. March 5, MC 30(08,09,10,11,??), at 7p.m.   'nite.