

By-Elections ... 11.7% TURNOUT

Final tallies have revealed an 11.7% turnout of eligible voters for last week's mathematics society elections. Chief Returning Officer, Randy Arsenault, termed the results "about par".

The highest percentage of voters went to third year with 14.3% of the electorate having exercised their franchise (40 of a possible 269 votes registered). 42 of 375 second year regular students cast ballots for an 11.2% turnout and 93 of 859 first year mathies brought their turnout to 10.8%. Overall, of the 1503 qualifying voters, 175 managed to trek up to the polling booth on the third floor.

For anyone who is as yet unaware of

the election results, here are the newly elected reps:

First Year :

Mary Ann Hikkelsen
Andy Seibel
Ingrid Spletstoesser

2A Co-op:

Paul Satran (acclaimed)

Second Year Regular:

John Davies

Third Year:

John Manistre
Janet Martin

Incidentally, approximate expenses for the election come to \$71.50 including \$41.50 for candidates' campaign expenses and \$30 for a Chevron ad.

ISSUE 3.5

FRIDAY, OCTOBER 26, 1973.

math NEWS

(CHEVRON)¹ ?

We at mathNEWS feel that an issue has arisen on this campus which warrants comment. We refer to the apparent growing attempt to "get the Chevron".

The happening which initiated this uproar was the recent Campus Centre Oktoberfest venture. Now, as we all know the Chevron was steadfastly opposed to the Campus Centre shut-down and Oktoberfest-related happenings and said so in no uneven terms. We at mathNEWS are 100% in support of the Chevron's right to take such a stand on this controversial issue. This does not necessarily mean that mathNEWS supports that stand but does support the right to make it.

Mathsoc first got into the act on Tuesday, October 9, when at its council meeting (held in the pub at the Oktoberfest event, incidently) passed a motion which read "the council condemn the Chevron for production of the last page of the October 5 issue as being misleading and unethical." At the same meeting, mathsoc also agreed that "a petition made up by Engsoc will be placed by the Coffee and Donut stand so people can either approve or disapprove of the Chevron's recent content." These two quotes come from the official minutes of the above-mentioned meeting.

Engsoc made its position quite clear on the front page of the recent October issue of Enginews in an editorial written by the engsoc president. Referring to the

afore-mentioned October 5th Chevron back page, the engsoc article reads in part: "The backpage take-off of the Board of Entertainment's Oktoberfest advertisement in the Oct. 5th issue of the Chevron was not only in bad taste, unrepresentative of people's attitudes to Oktoberfest and an attack on the Board of Entertainment without giving them a chance to run the event first, but also showed the Chevron's true colours to be a non-informative, singular-minded paper, representing only those who run it and not giving a damn about student reaction." NOW REALLY, we ask you, in all fairness, how could such a phrase "in bad taste" be written in, of all places, Enginews, and apparently in a serious vein? Have you thumbed through an issue of Enginews lately? In bad taste?

Now, mathsoc and engsoc were clearly behind the Federation's Oktoberfest event. The Chevron was clearly of the opposite view. The Chevron reacted with satire and arguments which clearly supported its stand. The societies' reactions? Mathsoc condemns the Chevron, and engsoc, apparently in all seriousness, suggests "closing the Chevron down and firing all the staff." Over-reaction? To say the least.

In any event, we again want to make it clear that we do not necessarily endorse the Chevron's stand but we do endorse the Chevron's right to make that stand.

New Reps Present

MATHSOC MEETS

"If I had known it was going to be that bad, I wouldn't have bothered going."

"I thought the meeting was well organized. However, the continuous interjections by a couple of people tended to upset the general flow of the meeting."

These two somewhat diverse opinions were conveyed to mathNEWS by two new members of the mathematics society council when asked their opinions of their first mathsoc meeting.

First item of business for this October 23 meeting was the introduction of new reps (plus all others present). Following this exercise, the first report came from Randall Arsenault, chief returning officer. He gave a detailed run-down of last week's election results (see front page article). Rosemary van den Akker, mathsoc treasurer, then summarized the state of the budget. The balance stands at \$5468.53. Last year's excess of funds came to \$1894.63 with \$2000 still owing for the anti-calendar. However, \$1000 will be coming from the Federation of Students through the Board of Education leaving \$894.63. So far this term, \$165 worth of society fees have been returned; orientation bills to the tune of \$963.39 have been received (with \$500 coming from the Federation's Board of Entertainment); the following expenses have also been incurred: computer science club \$5, election \$30, mathNEWS \$5.60, publicity & publications \$162.34, office supplies over \$100 (including records and a new needle for the stereo).

Short reports on the Board of Education, the Federation's "Bitch Session" and the Campus Centre Board were heard. Vice President Andy Haycock then delivered the latest news from the AA&CS Committee. The revised math 132B course which was used experimentally during the past summer term has been approved. The A-part of the same course will see, in the future, an increased emphasis on Fortran (due to the apparent need of Fortran for math 233 - statistics). There is also a change in requirements for honours degrees. Now 3 courses at the third and fourth year level outside of department requirements are necessary.

In old business, Howard LeBlanc was appointed committee chairman for the Board of Education. It was mentioned that Jan Sandaj, 4th year rep, has resigned.

Jim Morris and Marg Telegdi, on behalf of the Birth Control Centre, requested a donation from mathsoc. Council was evenly split on the issue: should they give \$100 or \$200? After a long discussion it was decided, by a narrow margin, that mathsoc grant the Centre \$200.

An announcement was then made regarding math T-shirts. There are \$1200 worth now sitting in the mathsoc office and the shirts are being sold at \$2.50 each. Following this the meeting ended.

the phantom reports....

At 7:30 all I can say is, I wonder what the assignment due on the Honeywell is, that could cause normally sane, rational people to sit for hours hogging the terminals on us (even when the system was down, but then I don't suppose anyone around here can be considered normally sane or rational.) At what sane or rational institution would the M132A, M204B, M122, and M112 consultants office be booked for classes during consulting hours?

And speaking of computer courses, 132 is going to FORTRASH for a while (supposedly so you can use it for stats in year two) and, of course, there is still no news on L6 for M240 (how long have we got boys?)

Now in APL there was a lot of action! Aside from playing musical terminals (there were always two terminals missing but hardly ever the same two. And the I.P. Sharpe update is (maybe) here (i.e. 2 weeks...3 weeks...?) Actually it seems that we had it a long time ago but when we got it, it was found that I.P.S. had labelled the tapes after making them, (i.e. the labels were over top of the part needed to load the system) which is to say we sent it back.

Also you probably remember that the CC70 now handles APL at the SERVICE? level... of course... there's that strange FLICK of the typeball at the end of each line. Plus the problem that while some CC70 lines are on, APL begins to burn CPU time (and peoples units) at about 20 times the normal rate (ever get a TIMER INTERRUPT on a "+"?), so now and then they just kick a few lines off the '70.

They fixed the standard system crasher last week, too. In so doing, of course, they kept themselves from doing any accounting maintenance, except by hand from the console. tsk...tsk...

Anyway Harg, 73204960 doesn't know John.

And to SCRUFFY TREADWELL: you see, I didn't even mention -----'s ----- or ----- 1 thereof.

And now goodnight all (at only 8:30pm).

Career Info

Are you interested in a career with the Ontario Civil Service Commission? If so, the Career Planning and Placement Centre has advised mathNEWS that such a careers information talk will be held on Wednesday, October 31 at 3:30 pm in EL 211. Further information can be obtained by calling ext. 3675.



YOU ASKED FOR IT

Straight from the mathnoos mail file we bring you.....
We had only 19 messages this week and only 1/2 of them were obscene or worse. To the person complaining about the length of time it took to mark the preparedness test ---it took longer last year. The following are excerpts from letter which we deciphered (the system has its peculiarities).
"I am a fully fledged sci-soc student but I much prefer mathNEWS." (So do we)
"I damn the Chevron not for the back page, which was neither misleading nor unethical, instead I quibble with the smear campaign over how Oktoberfest was put thru. It's typical of the screwballs in any "council" to argue something out until it is too late to do anything. Andrew T. was right in getting things done. His methods are condoned only by the fact that the student body wanted a university Oktoberfest instead of having to go to some of those crud Waterloo bars.
yers truly, len"
That's all folks!!!

TONTO'S WARPATH

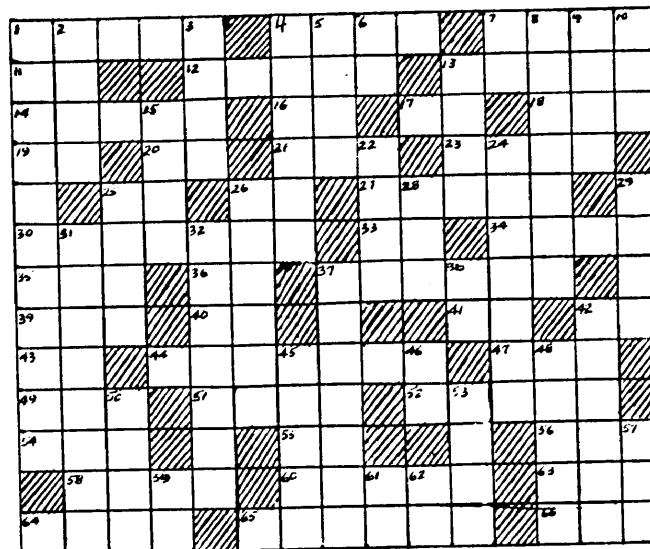
A new column is starting next week in mathNEWS in which Tonto will accept from the general public their gripes and problems and attempt in his infinite wisdom and vast knowledge to guide the poor soul to the paths of true belief and goodness. Address your cards and letters to "Tonto's Warpath" c/o mathNEWS.
Tonto's own personal gripe this week is the massive lineups in the debug terminal when Tonto was trying to do his 240B assignment. Tonto has nothing against first year students but when they make camp on the keypunches, destroy valuable output in their blind unreasoning search for workspace and place their bodies in such a way as to cause Tonto great agony; then Tonto would like to take a few scalps. Among those scalps are included the profs who assigned the concurrent massive projects in Algol and Cobol. When you have to wait for reams and reams of Student-Files to be printed out you get unnerved about trying to find the wee buggies in your program. So as not to appear totally down on the system, I would like to offer the suggestion that perhaps the Honeywell terminal system could be put to use by programming in Algol 60 instead of Algol W.

RENÉ

Ken Hunt has informed mathNEWS that awards to first year students from the René Descartes Foundation are now available. They can be collected from Dr. Hunt in room NC 5135.

Down

1. factor affecting behavior
2. horse of a different colour
3. data storage device
4. do 4 across again
5. loved Narcissus
6. positioned near
7. definite article (Arab)
8. direct
9. Indian home (-2 letters)
10. collection
13. body support
15. MKS
22. quantity of memory
24. pas positif
25. plot
26. table handling verb (COBOL)
28. in approval of
29. data storage device
31. several
32. required before action
37. particulars (reverse)
38. 1 of 4 (COBOL)
42. debugs and _____
45. multiplied by _____
46. classical drama (Japan)
48. dark colour
50. file operation
53. release
57. natural _____ (abbrev)
59. define file (COBOL)
61. Greek letter (-1 letter)
62. amidst



Across

1. mistake
4. i-o verb
7. behaves
11. refusal
12. oust
13. gradient
14. appreciate
16. bad blood
17. TYPE IS _ (COBOL)
18. web
19. chic
20. unlabeled
21. END-OF-PAGE (COBOL)
23. stake
25. state indicator
26. SAME AREA (COBOL)
27. intent on
30. left out
33. function properly
34. branch
35. computer bum
36. exclamatory remark
37. periodical
39. beta (stats)
40. gate
41. cold turkey
42. about
43. small (suffix)
44. bridge
47. I shall (Scot)
49. no input/output (mnemonic)
51. car plant
52. made in "GODFATHER"
54. The Purple Pimpernel
55. Sinai
56. fine point
58. political party
60. strange
63. ---perative
64. dispatch
65. finished
66. bottom

GRIDWORD COMMENT

"SOMEBODY FORGOT SOMETHING! NO?"
Thanks for the comment Roy. Nobody forgot anything. It just so happened that I put some "liquid paper" (correction fluid) in the wrong place. However that should have caused no problems as 11 and 17 are the only possible numbers which give unique solutions. Only Eugene Miklovich and Stephen Locke out of 32 people (a record response) noted that fact.

If in future issues you think there are missing clues don't worry, we'll take that into account.

Oh yes, the winner was Heather Bates.

This week's gridword was created by Jack Schueler (what happened to your file?).

The two of you can drop into the MathSoc office (MC3038) and pick out your free T-shirt. And believe it or not MathSoc has got in \$1200 worth of T-shirts for the occasion.

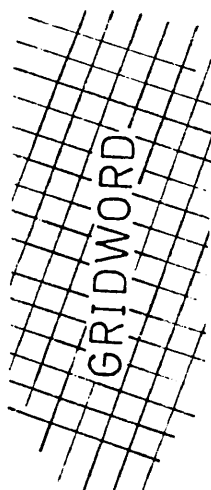
RULES:

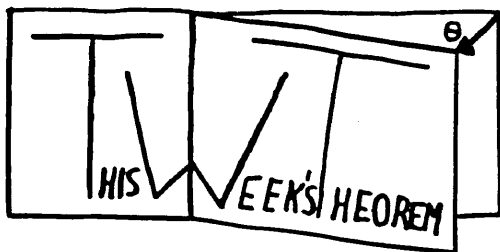
All solutions should 1) have name and phone number.

2) be in the mathNEWS

file in the MathSoc office (MC3038) by 4pm Tuesday, October 30.

Winning solution will be picked at random from the correct answers submitted.





PROVE: $1=5$

PROOF: Consider:

$$\sqrt{5-x} = 1 + \sqrt{x}$$

square both sides

$$5-x = 1 + 2\sqrt{x} + x$$

$$4 - 2x = 2\sqrt{x}$$

$$2 - x = \sqrt{x}$$

square both sides

$$4 - 4x + x^2 = x$$

$$x^2 - 5x + 4 = 0$$

$$(x - 4)(x - 1) = 0$$

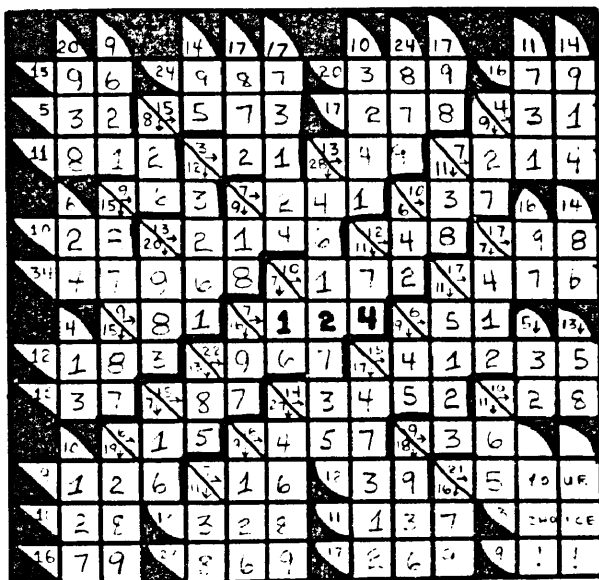
$$x=4 \text{ or } x=1$$

try $x=4$

$$5-4 = 1 + \sqrt{4}$$

$$1 = 1 + 2$$

$$1 = 5 \quad \text{QED}$$



FACULTY COUNCIL MEETS

This was my first time in attending the faculty council meeting, and it is quite an eye-opener. One notices very quickly that all the decisions with regard to the Math faculty are made here. Several new courses proposed by the curriculum committee were approved. These are:

- M438(a) Topics in estimation and hypothesis testing
- M438(b) Statistical inference with small samples
- M439(a),(b) Theory of experimental design
- M449(a),(b) Experimental design
- M466(b) Topics in statistics
- M223(a) Introduction to statistical methods
- M223(b) Introduction to statistical methods (inferential)
- ML304(b) Foundations of probability theory

Also approved were an additional tutorial hour for M217 and M237 students on a voluntary basis be provided by the faculty (that is, voluntary on the part of the students), and also a commercial law course for the math students, the content of which will be the same as ME100, but with a math orientation.

The most important issue that arose was the introduction of a new program, the business administration option. For this option, 3rd year requirements of calculus and algebra were replaced by other math courses, and question arose as to the fairness of granting these students a math degree. Everyone felt that if the faculty's name were "Faculty of Mathematical Sciences", this would not have been an issue. Voting was tabled until the next meeting.

A new scholarship programme was approved, with emphasis on entrance awards made on the basis of first-year results.

New course description for M456(a) was also approved, and Professor Kerr-Lawson provided an inspirational name: "Math 456, pick up sticks".

Godfrey Lee

FREE

NOTICE: A free T-shirt will be awarded to the person submitting an original gridword which mathNEWS uses for publication. To submit your gridword either 1) drop around to MC 3011 Tuesday nights, CP 2) drop it in the CAMPUS MAIL (no stamp needed) addressed to Dennis Mullin 216-S4, CP 3) put it in the mathNEWS file in the mathsoc office.

math ETICS

THEY WERE ONE, CHANGED THEIR MIND
AND THEN THERE WERE NONE

The only team (?) we may have in women's intramurals is the competitive volleyball team... but things look doubtful for that. If no one has signed up by the 24 of Oct. we will not have a team at all. THIS IS FUN AFTER ALL! (co-ed intramurals).

If someone on the co-ed volleyball team reads this, would you please leave a message in the MathSoc office for Janice saying whether or not the team is playing at all? If you signed up and don't know when the games are, they are posted each week on the bulletin board opposite the third floor lounge (you know ... where they sell coffee and doughnuts. All you have to do is look. If you know someone who wants to play for the volleyball team, could you please let them know where the signs are? Next games: Tues Oct 30 at 9:45 on court 3 vs 2A Teachers #2 (now you can't say you didn't know).

The team list for broomball which was handed in today (22) was very encouraging. Seems that there are some girls out there who like to play broomball. In fact, the number of girls on the list was greater than the number of guys. Their first game will be announced today on the bulletin board and as many as possible will have been contacted by phone. If you signed up and haven't been contacted, do one of the following:

- a) don't show up-- just out of spite,
or
- b) go to the bulletin board and find out for yourself (you're a big girl/boy now).

The Mathie Dolphins- our inner-tube water polo team is doing very well. They drowned Davey's Darbs on the 10th to the tune of 20 to 4 (or something like that). The next week they remembered to stay in their inner-tubes and met their match against the Hustlers (a tie). So far, the team still has only one girl member although they do manage to find a straggler or two in the pool at game time (or even resort to borrowing a girl from the other team) but... it would nice to have some more (two at least) willing to have some fun for half an hour on Wed. nights and who

own a swim suit? If so, we would welcome you.
Next game: Oct 31 (Wed) at 8:30 vs Cap'n Krunch's Navy.
*Another activity you can still sign up for is the Co-ed Curling Bonspiel.

basketball..OUTDRIBBLED

Both of Math's basketball teams started their season's on Monday night. Unfortunately, we have no report on the game involving the Co-op Math team. Also unfortunately, we do have a report of Regular Math's game.

The team kept up its tradition of losing (last year it lost 11 of 12 games) by dropping a 39-24 decision to Lower Eng. The match was close at half time (21-16) but the Mathies' legs couldn't keep up the pace in the latter half.

Scorers for the Reg Math team were: Mike Gabriel (3), Bruce Pearson (8), Dominic Jansen (6) and Norm Macdonald (2).

Next game for both teams is next Monday night. Check the bulletin board outside the 3rd floor lounge for times and opposition.

soccer... SQUAD GELS

The regular soccer season ended for the math team on Monday. It appears quite certain that with a 4-2-0 record, the team will be in the second or third playoff spot in the league.

The squad had quite an exciting season despite the fact that they lost two of their first three matches, both by 3-1 counts. Minor injuries to three key players were obviously a factor in these defeats. However, with the assistance of new recruits, the team won its last three games the last one a 5-0 whitewash of Chem Eng, (which was also the team's third shut-out).

The team seems to have gelled and has an excellent chance of taking the championship.

Quarter-final and semi-final games will be held next Monday and Wednesday (Oct. 29 and 31) at Columbia Field No. 4.

Dr. Berman

PROF of the WEEK

Dr. Berman was born in a place called Semans, Saskatchewan, on November the twelfth, in the year of our Lord, 1924. He lived there during his "younger years", and then moved to Toronto, where he obtained all three of his degrees at the University of Toronto. The B.A. in Mathematics he received in 1947, the M.A. in Applied Mathematics in 1948, and the Ph.D. in Combinatorics in 1950.

Somewhere along the line he got married, and now he has four children, three boys and a girl, one of the boys presently attending university.

Up to this time Dr. Berman has had about sixty publications printed in various places, such as the "Canadian Mathematical Journal", "Transactions America Society", "Mathematics Monthly", "Proceedings of the American Mathematics Society", and the "Siam Revue". He has also published articles for NASA and other technical institutions.

He was one of the first professors of mathematics here at the university, teaching when it came into existence that first year. At that time it was just the department of mathematics. When the Faculty of Mathematics was started, he organized his department (Combinatorics and Optimization), and has remained chairman ever since.

He has been a consultant on space problems during the summers, and prefers research to the administrative duties of running a department. It was only because he saw the need of instituting a department in this area did he forgo full time research; however he is hoping that he will be able to go back to it, as well as teaching.

In his years here he has taught nearly every course in the department, and at the moment is teaching combinatorics. He believes that U. of W. has the best mathematics anywhere.

His opinion of this university is that it is too big, and will become another University of Toronto if it continues in like manner. There is not enough personal contact with the students.

In his first year here the maximum class size was about forty students in mathematics in first year, now there are about five classes of two hundred each. This is because of growth, and the fact that the teaching workload has decreased from 12 to 6-8 hours a week. This is due to too much additional administrative work; also, professors are expected to do more research.

Dr. Berman feels he doesn't get the personal contact with the students that he wants; he used to teach several elementary classes, and enjoyed the fact that they were small and he had very good relations with the students.

He also added a comment: The Physics building was originally the Mathematics building and was designed with the assistance of a U. of W. professor. There are no large classrooms in the building, so that tendencies toward personal contact could be developed; however, this is possible only in a small university.

Dr. Berman states that we are still better than U. of T. There was absolutely no contact between the professors and the students: you couldn't even ask questions in class. He believes that U. of W. expanded because all of the professors were vitally interested in their students.

One other difference that has come into existence with growth is bureaucracy. You used to be able to go straight to the president or vice-president if you wanted something done. Now you have to start at the bottom, the committees, and work your way up.

He feels that it would be impossible to start another department at this stage of the game; U. of T. cannot even separate Arts and Sciences into separate faculties.

A good word for mathNEWS: we serve an excellent purpose by allowing complaints about professors and courses to be aired, but we should make sure professors get a copy.

rep. report

SAC MEETING

The most recent meeting of the Student Advisory Council was held last Oct. 17. With a larger attendance on behalf of co-ordination and the various societies than last time, a discussion was initiated concerning the role of the co-ordination department. Many facets of this role were discussed, including job canvasses, job descriptions, student interviews, ranking process and job assignment, the job itself and job evaluation. Difficulties concerning job descriptions, particularly in the kinesiology, recreation and systems design programs were mentioned. These areas are ones in which the jobs, and for that matter, the courses, are not yet well-defined, making job placement a more difficult task than usual.

The discussion was long but informative. Some conclusions that could be drawn from the meeting were that: students could make job contacts on their own thus establishing co-op jobs, and that co-ordinators should try to represent the program at as many trade shows as possible. At the next meeting, correlations between changes in industry and changes in courses and programs will be discussed. An open invitation is extended to the faculty members to attend this meeting, in order to balance the discussion. The possibility of co-ordinator critiques will also be looked into next time.

Peggy Macmillan

