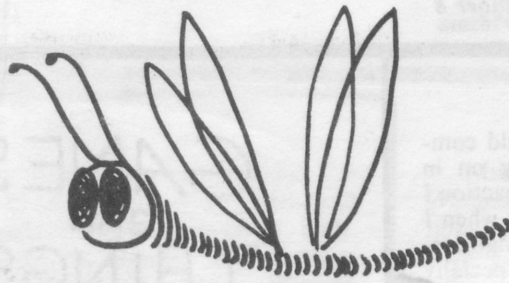## Class Representative Positions Open

The following positions are open for MathSoc class rep.s. You are eligible for a position if you will be in that year/term in September 1979.

2 positions -	2nd year regular
1 position -	3rd year regular
1 position -	4th year regular
1 position -	2nd year co-op A stream
2 positions -	4th year co-op B stream

Council duties commence after the election date. Nominations are open March 5 - March 16. Election date March 22.

mathNEWS

Volume 18 Number 8
Friday, March 9, 1979

EngSoc Elects Exec

EngSoc, the society that is considered MathSoc's major rival, held their elections C Tuesday for the EngSoc B executive for 1979-1980. These elections were of significance to the rest of the campus as well as among the Engineers because for the first time ever a woman was contesting the position of EngSoc president.

However for the time being the EngSoc presidency will remain a male preserve. Christine Schindler went down to defeat in her bid to become EngSoc's first woman president. Lunny Schienmann, a former EngSoc class rep, was victorious by a 495 to 200 margin. There were 32 spoiled ballots.

However Schienmann's running mate was not successful in his bid for Vice-President. Plummers' Hard hHat Band leader Paul Reed was defeated by Harry Gallagher by a 412 to 279 margin.

Women were not entirely unsuccessful. Karen Zetzche was accalaimed as Treasurer after her opponent withdrew, and Louise Rose defeated Paul Ransom for the Secretary's position by a 433 to 266 margin.

The election turnout of 727 engineers was one of the best ever. Outgoing president Fraser Cutten contributed the high turnout (nearly 200 more than his election) to the location of the polling station in the lineup for the Coffee and Donut Stand.

Mathletics Banquet
Buffet Dinner
5:30 Monday, March 19
Laurel Room SCH

Hockey Playoffs
Sunday night
at
Moses Springer Arena

Both math teams are doing great in playoffs and hopefully will be in Sunday's championship games.

Fed Council Meets

Last Thursday the Federation Council met for the first time of the 1979-80 season. At that meeting the Executive and Board of Directors were appointed for the new session. The Executive is as follows:

President	Mark McGuire
Vice-Pres	**P.Wigglesworth**
Treasurer	Tom Porteous
Creative Arts	Marc Quinn
Publications	Steve Connoly
Co-op Services	Steve Beatty
Speaker	Mark Winnett

The meeting was rather uneventful. The only serious argument arose when Ciaran O'donnel, Rick Smit, and J.J.Long got into an argument over one item in the auditor's report. O'donnell did not understand one item in the report regarding the allocation of administrative expenses, and seemed to indicate that he thought something crooked was going on. Smit told O'donnell not to print something sensational about the report. It was explained by others that the allocation of administrative expenses was a common practice among corporations. Smit told O'donnell to phone the auditors himself if he had any more questions.

jjl

dear mathNEWS

Sometimes I wonder if should comment about the activities going on in other societies. I remember the reaction I got from the Engineers last year when I implied that under P. King the Engineering Society was rather wimpy, especially on the Chevron affair. Many Engineers got awfully angry because of my remarks. I must say that there was one good result. The Engineers put their anger into action and under Fraser Cutten they are once again the most active group on campus. For a long time I've had problems with a certain former ArtSoc president mainly because I managed the campaign of the person who defeated him for Federation president. Despite these problems I feel that I cannot remain silent about the removal of SciSoc president Richard Kular.

While I agree Kular may not have been the most active society president, but I have heard of very few past SciSoc presidents who were. It also seems to me, due to the apparent invisibility of SciSoc for much of the past year, that few members of his executive or council were very active. It seems like one man was expected to solve the years old problems of SciSoc apathy all by himself. What probably bothers me the most was the way Kular was gotten rid of. There were less than three weeks to go in his term of office, and the vote was taken by a secret ballot on council. While a secret ballot is essential in a general election in a vote by a legislative body it can only appear as an attempt by councillors to hide their views from their constituents.

Hopefully the new Science executive and council will not be so petty and can really get their society to work. I see one encouraging sign in this direction. The SciSoc News which has been virtually absent since John Lee left SciSoc is now reappearing in a smaller form.

jjlong

CRIB TOURNEY RESULTS

Last monday night saw another exciting Mathweek event in the form of the Semesterly Truly Confused Crib Tournament. With ten entrants, of which five were dragged out, we had several problems arranging matches, but it made for an interesting evening of cribbage. (Except for Bob Koulsky, who, being a fast player and getting the by, ended up waiting around quite a bit.)

By 11:15 we finally got to the finals (?) and, after a close match, Phil (pc) Kelly barely screeched by Hugh Frampton to win the tournament (and $5 and a t-shirt and an award sheet).

Thanks to all who came out and to those that volunteered to be dragged out. Hope to see you next Mathweek.

GAMES and THINGS

Well, it looks like I finally missed an issue as last week I simply had too much work to do. Oh well, I'm back again this week with yet another game review.

LANDGRAB by HOUSE OF GAMES (not PARKER BROS.) is a game of land assembly and development for 2-4 players. It has simple rules and requires little time to play. The game consists of a board showing a planned subdivision, various coloured plastic playing pieces and illustrated cardboard blocks used to represent different buildings. The physical quality of this game is very high as you get much more than you pay for.

Basically, the game consists of players buying up lots of land and building on them as to get an income. As the game progresses, players buy up lots adjacent to theirs and build ever larger complexes until someone builds the sports stadium which wins the game. This game is an excellent buy and is a lot of fun to play.
RATING : 8 PRICE : $10.00 PLAYING TIME : 1 1/2 HOURS

mpkraatz

SPRING CONCERT AT UW TO FEATURE SCHUBERT MASS

The final concert of the season sponsored by the Creative Arts Board at the University of Waterloo will take place at 8 p.m. on Friday, March 16 in the Theatre of the Arts. Schubert's Mass No. 2 in G will be the feature work along with Mozart's Symphony No. 28, a variety of popular pieces and original compositions by Alfred Kunz.

Tickets are $3.00 (Stu./Sen. $2.00) and are on sale now at the UW Arts Centre Box office, Room 254, Modern Languages Bldg. UW (885-4280), at Bishop's Style Shop, Stanley Park Mall in Kitchener and the KW Symphony office, 56 King St. N. in Waterloo.

Differentiata

Go placidly amid the pidgeons and caretakers and think what peace there would be in the abscence of pinball machines. As far as possible without surrender be on good terms with a hack for he can detail the wonders of the 'Bun. Speak your COBOL quietly, no one wants to hear; and listen to others, even the dull and ignorant; profs too have their story. Avoid loud and aggressive persons, for surely they come from Mathsoc. If you compare yourself with others, you may become discontent; for others will always get greater OSAP loans/grants than you. Enjoy who you've got as well as entertaining plans for those nice first-years. Keep interested in your option, even if it's CA; for someone will always require an audit. Exercise caution when using SNOBOL; for the compiler is full of trickery. But let this not blind you to what is left of DEBUG; many persons strive for high marks; and on WIDJET life is full of heroism. Be yourself, and have everyone laugh at you. Especially, do not feign knowledge of algebra. Neither be cynical about Honeywell; for in the face of all the crashes and disenchantment, mail is still fun. Take kindly the counsel of the consultant, gracefully surrendering file permissions. Nurture strength of spirit to shield you in drunken stupor. But do not distress yourself with transformations. Many fears are born of n-space. Beyond a wholesome discipline, watch what you eat from C&D. You are just food for the university, no more than a BIU on the hoof; you have no right to pass STATS. And whether or not it is clear to you, integrals never unfold. Therefore be at peace with Dean Forbes, whatever you conceive Him to be, and whatever your useless labours and misinterpretations, in the noisy confusion of the math-lounge, keep peace with your tutor. With all its sham, drudgery and broken dreams, some people still graduate. Be careful. Strive for the pub.

FOUND IN AN OLD, BATTERED DEBUG SHRINE, UOW
DATED 1984

CSC

Last week the Computer Science Club received a couple of letters from a young and optimistic organization: CSCS, The Canadian Society of Computing Students. As explained in their letter (reproduced below), they are very keen and wild eyed with enthusiasm about the euphoria just around the corner from a national student organization of CS students. As well as the letter referred to, they sent a letter to the Department of Computer Science, pointing to their credentials, and asking for support (and for $200).

There a rather a lot of CS students here at the Waterversity, and if you are one of that esteemed mob, I'd like your opinion on CSCS. What they propose, it seems, is that the dear old CSC (what you know and love) become associated with CSCS, and that you (what you also know and love) become a member of CSCS ($7.00 please. Ching!).

I won't rant and rave my opinions (this week) about this, but will say that I am not impressed by what I have seen from CSCS. Shall the august might of CSC InAction crush the upstart CSCS with the kind of arrogance only apathy can support? Or shall the kind and soft-hearted CSC support the optimistic goals of this keen and anxious (albiet illiterate) organization?

> Robert Biddle (RLBiddle)
> Computer Science Club

Reproduced here is the complete text (complete with errors) of the CSCS letter of salutation:

Greetings Across Canada!

Over the last five months, activity has been brewing over an organization for, and about, students enrolled in the study of Computing Science. The name that has been chosen for the organization is the CANADIAN SOCIETY OF COMPUTING STUDENTS or simply CSCS.

If your university already has a club on campus then you are aware of the advantages of combined student efforts. Here at Western, we have had two tours, two speakers and a job forum.

But why link clubs across Canada? The cooperation of two clubs, Westerns and Guelphs has brought success to both. Guelph University wanted tours, lectures and films brought on campus. Western wanted a successful method of raising funds. So both universities pooled there information banks: Western will try a raffle of a mini computer some time next year; and Guelph will contact various firms for free tours, films and lectures. But, this represents a small sample of the gains that national cooperation can bring. Think about the strides that can be made in making Comp. Sci. a professional school? Or even a lobbying body in Ottawa? And as computers become household appliances, what will be the effect on society, education and our own careers?

CSCS will be publishing a newsletter in the next few months. To recieve your copy, write to the address below. We are also seeking written material. If you would like to tell Canada about your club activities, or even speculate as to the effect of CSCS on computer science departments, then write us. The newsletter will also contain serious material such as research abstracts. And, of course, it will have a humour section.. for comp. sci. buffs only!

The CSCS Newsletter will have complete information on CSCS: how to join, lists of possible activities for you and your chapter. But in a flash, membership in CSCS is $7.00. For that you get a subscription to the CSCS Newsletter, and info on any activity in Comp. Sci. in Canada. (ie job surveys, computer companies, films, available lecturers, programming contests, computer games and even free computer systems!). Watch your local I/O counter, or write:

Jerrold Schiff, President CSCS
c/o Dean's Office
Faculty of Science
Natural Science Building
Univ. of Western Ont.
London, Ont. N6A 5B7

Barry Smith, Vice President CSCS
Institute of Computing Science
University of Guelph
Guelph, Ontario, N1G 2W1
[I think you can safely ignore that comment about watching your local I/O counter (whatever that might be). - RLB]

CSC Flash

Much as I would like to review our Wednesday meeting with Dr. Gentleman's talk, I can't, since this is only Tuesday, and I am not a clairvoyant. Hopefully, I will have a review next week.

But I do have an announcement for next week's meeting, when we will host Eric Mackie of the Computer Systems Group, designer of WIDJET, who will speak on the Waterloo Interactive Debug and Job Entry Terminal system. The meeting is on **Tuesday,** March the 13th, 1979, at 8:00 PM in MC 5158. Everyone is welcome, and refreshments will be served.

One other announcement: We are still accepting memberships, but since the term is half over (actually more than half over), the membership fee has been reduced to $1.00.

> kpmartin

Sorry**2!

We apologize most profusely for last week's apology which did not correctly correct for the article two weeks ago on 'Calculating Progidies' (sic). In fact, in the formula given for finding the day of the week on which a given date falls, you have to go back one day if it is a Leap Year and the date falls in January or February, NOT ahead one if it falls after. I am indebted to Mr. and Mrs. Geoff Hains's parents for his having been born in a Leap Year; the calculation of his birthdate allowed me to see the error of my ways.

> steve hayman, again

*IN A SYSTEM WHERE ORID-TEROS ABOUND,
A TRUE FAULT OF FIRST ORDER IS FOUND,
IF YOU WRITE SUCH A TEST
WHEN THE COURSE SUITS IT BEST,
IT IS NEVER ORIO-TERM, I EXPOUND.*

*TAKE PASCAL CODE AND STUDY
THOSE QUEUES
THAT ON WIDJET SO MANY ABUSE
CONGER POINTERS AND TREES,
AS YOU CATCH THE DISEASE
BEST CALLED
"TERMINAL ILLNESS CONFUSE".*

Ben Lutek's

Calendar Not Goof Proof

1) Honours Computer Science Requirements (page 186) column 2 should begin **Four additional CS half-credits from those labelled CS 440 or higher.**

2) Business Administration, Chartered Accountancy, Management Accounting Options (Table 2A, page 188)
year 3 Honours: Omit C & O 283
year 3 General: Add in the blank space "two of C & O 283, 331a,"

Exam Timetable

The final exam timetable will be posted at various locations across campus (including the third floor bulletin board opposite the lounges) sometime next week ... Hopefully March 14th.

Lecture Series Begins

Dr. Heini Halberstam of the University of Nottingham's Math. Department is giving a series of three lectures on March 19, 21, 22, in M&C 5158 at 2:30. The first lecture is intended to be of general interest to undergraduates and graduate students, and is entitled "Sieves: A Chapter in Combinatorial Number Theory".

Standings and Promotions Committee Motion

The standings and promotions committee of the Faculty of Mathematics will ask Faculty Council to make it more difficult for math students to take more than a standard course load. S&P has submitted two motions to Faculty Council; the second to be considered only if the first fails to carry.

Motion #1 reads as follows:

Course Load

The 'standard' course load for full-time year 1 math students is 3.00 credits per term. The 'standard' course loads for upper-year full- time math students in Honours and General/Pass programmes are 3.00 and 2.50 credits per term respectively.

Any 'extra' courses beyond the standard load will normally be explicitly designated as such on a student's official university transcript and will be excluded from credit counts, course-attempt counts, failure counts and average calculations for degree-requirement considerations. They may, however, be used to satisfy specified programme course requirements. Any exceptions for good reason to this normal policy will require the approval of the Faculty Standings & Promotions Committee or its delegate(s).

Students wishing to take extra courses may add them to their schedules during the registration period, provided that space is available in the coursed desired. Extra courses may not, however, be included at the pre-registration stage.

To the above is appended a note that indicates that 'exceptions for good reason' should be 'relatively rare'. The example given is that of a student in 4B (or 3B of a Pass programme) who requires only one extra half-credit above the standard load to graduate.

If motion #1 fails, Faculty Council will consider motion #2. That motion is almost three pages longtoo long too be reprinted here. It expands upon the 'exceptions for good reason' to include the following cases: a student taking a lab is permitted to exceed the 'standard' course load by 0.25 credits
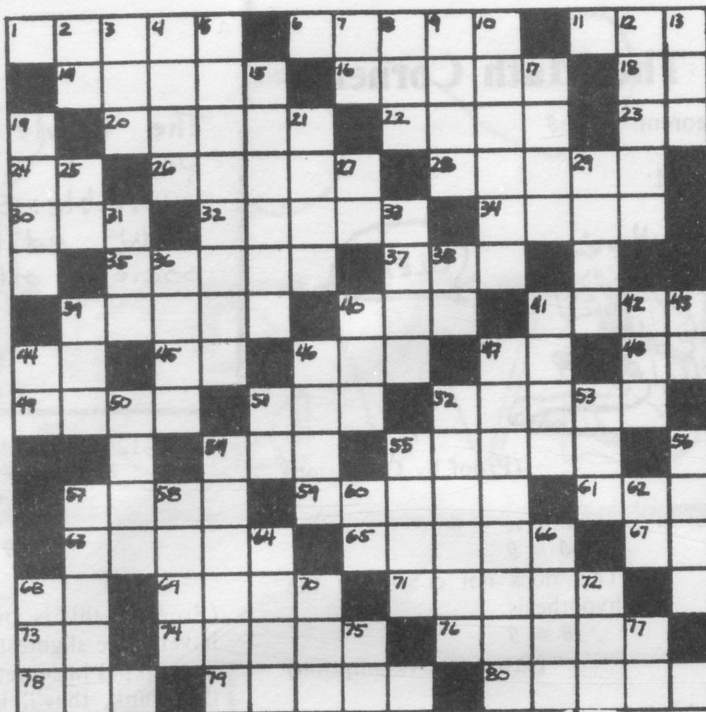
- a student with overall and math averages both at least 80% might be allowed to take one extra half credit
- a student who has failed a course, and does not meet the 80% requirement might be allowed to take an extra course to make up the 'credit deficit'
- students in the Co-op Math Teaching Option will be allowed to take extra courses (not counting for a B. Math) to satisfy degree requirements at Althouse
- students in the accounting options will be allowed to repeat passed courses if this is necessary to 'satisfy external accounting institute requirements'.

Students wishing to take an extra course must produce their most recent end-of-term mark, for a Faculty Advisor. Students wishing to make up a 'credit deficit', but not having 80 averages must have shown in past terms that they can handle a standard load. They then enlist the support of a Faculty Advisor who petitions the Committee for 'special consideration'. Students in their first term as a math student wishing to take an extra course, and other students wishing to take more than one extra course must get the approval of an Associate Dean for Undergraduate Studies.

A copy of motions 1 and 2 is availab in the mathsoc office. *A petition which opposes this motion may be supported by getting in touch with userid* abowen *on the 'bun. -ed*
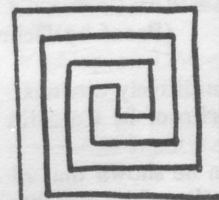
GRIDWORD

ACROSS

1a Adam's fruit (5)
1g Abram's grandson (5)
1m Beethoven or Gogh (3)
2b Found on April 1st (5)
2h Rescued (5)
2n Do not pass it (2)
3c Vote (5)
3i Far (comb form) (4)
3n Right Turn (2)
4a Paddle conjunction (2)
4d Dark yellow (5)
4j Brother's daughter (5)
5a A Mahal (3)
5e A salute to dry bread (5)
5k Scary lake (4)
6c Strings you're tied to (5)
6i if and only if (3)
7b Join up (5)
7h Minor demon (3)
7l Sight organs (4)
8a To be (2)
8d Chic preposition (2)
8g 'Card' a test (3)
8k Water Power (2)
8n Transcendental (2)
9a Luncheon meat made from maps (4)
9f 6 sider (3)
9j Boys made with those of puppy dogs (5)
10e Lightning Post (3)
10i Think fast - it's a 22 (5)
11b Two examples (2,2)
11g American Airplane Rail and Road Exhibition (5)
11m Trigonometric transgression (3)
12b Christmas Fe (5)
12h Weatherman Lewis (5)
12m Comics are plugged in (2)
13a Big with the Flintstones (2)
13d Toothpaste of CRT (4)
13i Look out there! (5)
14a Iron (2)
14d Gum revolving around sun (5)
14j Baker kneads it (5)
15a A renowned patch of kludge (3)
15e With the Professor (5)
15k It's all right (5)

DOWN

a3 Stop make pans (4)
a8 Integrated Studies (2)
a13 Fat file (3)
b1 Micromicrofarad (2)
b4 Egyptian God (2)
b7 Sense in respect (3)
b11 They're in his lesser lands (5)
c1 Wrote first detective novels (3)
c5 Gray January (3)
c9 2-D space (4)
d1 She's not hihi (4)
d6 Proper (4)
d11 Another fine mess you've gotten me (4)
e1 Negative particle (8)
e10 Come back (6)
f2 High or Private (6)
f9 Musical deer (2)
f12 Reversible rock group (4)
g3 Terrible Entry And Needless (4)
g8 Articles contain kingdom for works (4)
g13 He's one in Germany who's not our 'man' (3)
h1 Conjunction (2)
h4 Right Side (2)
h7 We all scream for what cream? (3)
h11 Alpha Beta (2)
h14 Headless backwards ant (2)
i1 In the hat (3)
i5 Clock item (4)
i10 Cancerous creature (4)
j1 Is it Easy-Bake? (4)
j6 Foot Powder (2)
j9 And feathered (6)
k1 Faith in eel fib (6)
k8 Napoleon fell there, or was it here? (8)
l2 They play on the range (4)
l7 Piece without E makes a long story (4)
l12 Tales of old not mine (4)
m4 See it on 79 (4)
m9 Left Hand Side (3)
m13 Who Goes There? (3)
n1 Concur on shampoo (5)
n7 Epsilon (3)
n11 Freud's identification of self (2)
n14 Hammy Hamster (2)
o1 Negation (3)
o8 Don't say ___, say oui (2)
o10 It's not Enough (4)

The Math Corner

Theorem: $r\theta = \theta$
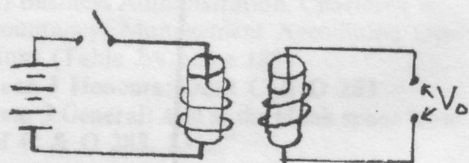
Proof 1:

GLERK

(Proof by Confusion)

Proof 2: Assume $r\theta = \theta$
$\therefore r\theta = \theta$
This does not contradict the hypothesis.
$\therefore r\theta = \theta$
(Proof by Assumption)

Proof 3:

(Proof by Induction)

Proof 4: $r\theta = r\theta$
$r\theta = r\bullet$
$r\theta = r\bullet$
$r\theta = r\bullet$
$r\theta = r\bullet$
$r\theta = \bullet$
$r\theta = \bullet$
$r\theta = \theta$
(Proof Using the Laws of Absorption)

Proof 5: Define r to be 1
$\therefore r\theta = \theta$
(Proof by Definition)

Proof 6: It's intuitively obvious.
(Proof by Calculus Prof)

Proof 7: It can be shown that $r\theta = \theta$.
(Proof by Algebra Prof)

Proof 8: At this point we ask a mathematician.
(Proof by CS Prof)

Proof 9: As will be shown in 4th year, $r\theta = \theta$
(Proof by First Year Prof)

Proof 10: Well, I can't find a counter-example.
(Proof by Apathy)

Proof 11: Drink a mickey of rum and a 12-pack of your choice and prove me wrong
(Proof by Imbibing)

The movie rights to page 6 are still available. See math NEWS editor, math-society office.

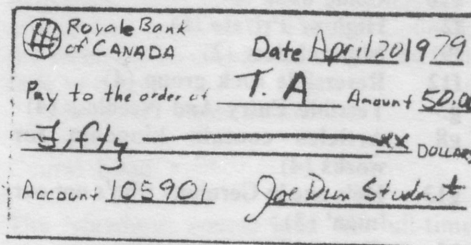Proof 12:

$\therefore r\theta = \theta$

Q.E.D.

(Proof by this is an exam question that I haven't the slightest idea how to do, but I have to put in something, or I'll flunk, and if I flunk, they'll kick me out, and my parents don't wnat me back and who can get a job anyway, so I'd better put lots of squiggles and some $\therefore$'s and $\Rightarrow$'s and maybe I'll fool the bloody TA, who is pretty much out to lunch, and maybe, I get part marks)

Proof 13: There is no proof 13
(Proof by Monty Python Freaks)

Proof 14:

(Proof by Bribe)

Proof 15: My brother is a member of Hell's Angels and he agrees with whatever I say and I say $r\theta = \theta$ and you better not disagree with my brother if you know what's good for you.
(Proof by Intimidation)

Proof 16: I'm a prof and you're a lousy student, so IM right.
(Proof by Precedence)

Proof 17: The guy next to me put $r\theta = \theta$
(Proof by Neighbourhood)

Proof 18: As shown in <some non-existant but very impressive-sounding text book>
(Proof by Reference)

Proof 19: Trust me.
(Proof by Nixon's Theorem)

Proof 20: Have I ever lied to you?
(Proof by Jewish Mother)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	M	O	N	O	P	O	L	Y		R	E	L	I	E	F
2	E	R	O		S	P	E	A	R		L	A	S	E	R
3	L	I	O	N			S	W	A	P		M	I	L	E
4	B	O	N	E	R	S			N	I	E	C	E	S	
5	A	N		B	U	O	Y		L	A	I	N		C	U
6	S		P	U	F	F	E	D		N	O	T		L	E
7		S	E	L	F		A		U	N		B	E	N	
8	U	L	N	A		F	I	L	E	T		S	E	A	T
9	M	E	N		B	I		I			S	T	A	N	
10	B	E		B	A	N		C	A	S	E	R	N		C
11	R	P		R	A	I	N		B	L	E	U		R	A
12	E		P	A	S	S	E	D		A	R	C	H	O	N
13	L	O	A	M		H	O	O	D			K	I	L	N
14	L	O	V	E	Y		T	R	U	C	K		F	L	O
15	A	G	E	N	D	A		A	D	O	P	T	I	O	N

Mathies Bus Stuffing

How many Mathies fit in a bus? We need bodies. (Unscheduled N-1Juneers' Bus Push to follow) March 17, outside EngSoc.

STUDY AREAS

In case you are wondering where to study for midterms, finals, etc. there are three areas in the Math and Computer Building designated for studying. The first area is (surprise!) the EMS Library. Two rooms on the third floor (M&C 3012 and 3014) are also open to all students who wish a quiet room in which to work.