

semi-formal :

IOU lots of \$\$\$

This past Tuesday (28th) mathSoc held its bi-weekly meeting.

MathSoc treasurer, Janice Shaver, asked that all outstanding IOU's be made good. The number of IOU's outstanding are valued at around \$100 (with no interest). When asked if she had a big list of all the IOU's she replied, "Oh do I!!!"

MathSoc prez, Jim Langer reported on the semiformal and revealed that approximately 375 couples are needed to break even. He thought that mathSoc could obtain a subsidy from the Board of Entertainment for at least \$400. The latest estimate indicates that 50 tickets have been sold. Add it all up and you get a deficit of no more than 6100 dollars (the budget for 2 years worth of mathNEWS).

In old business mathSoc discussed the smoking committee recommendations (published on page 3 of last weeks mathNEWS). Only two of the items were voted on at the meeting.

The item stating that smoking not be allowed in the C&D part of the math lounge after February the first was PASSED 12-1-0.

The motion to adopt "The Smoker's Bill of Rights" was DEFEATED 5-5-3.

Senate rep Joe Carpenter, brought to the attention of mathSoc that plans are afoot to change class lengths from 50 minutes to 80 minutes. This matter will be discussed at the next meeting.

In other business Ingrid Spletstoeser, Peter Lee and J.J. Long were approved as mathSoc reps for the Math Faculty Council. Russell Crook and Slavko Stemberger were accepted as reps on the Math Faculty Computer Usage Committee. A. Pathy volunteered to be the Campus Centre Board rep.

Chris Trothen moved that the meeting adjourn until February 11th, 4:30 p.m. in MC 1056. All those in favour left.

ISSUE 7.3  
FRIDAY, JAN 31, 1975

# mathNEWS

## Jane Calculates

The topic of the proper use of small electronic calculators in grade school and high school has been receiving much attention lately (see, for example, the K-W Record, Monday, January 27, page 3). It has also been a subject of discussion in my second year Statistics class. Each term, when it is announced that electronic calculators are not permitted in midterms or final exams, but that slide rules are permitted there is an uproar among the calculator owners: "We don't want to buy slide rules." "Why should we have to spend time learning to use them?" "We're at a disadvantage, since we don't have the practice of using slide rules regularly." One young woman in my 233B class last term indignantly insisted that, if put to a vote, the use of calculators in exams would be overwhelmingly approved. So, to test this, the 35 or so people then present voted, and only a small percentage of the class wanted calculators in exams (partly due, I suspect, to a suspicion that problems would become harder with calculators available, as data would not have to be "fudged" to be amenable to pencil-and-paper solution).

Some of my M233A students this term suggested banning both calculators and slide rules, supposedly giving everyone the same disadvantage. Math tables would then be the only aid permitted. However, there is a University rule that "pen, pencil, slide rule, and drafting instruments

without case are not considered aids," and therefore must be allowed in exams.

My own feeling is that, in Statistics exams, calculators are desirable, but only if all of the class has access to them. I have often wished we could a) lend calculators during exams to those who didn't own them, or b) hold exams in a room equipped with calculators. For budgetary reasons, and due to the instances of theft that have already occurred, these are not (yet) feasible solutions.

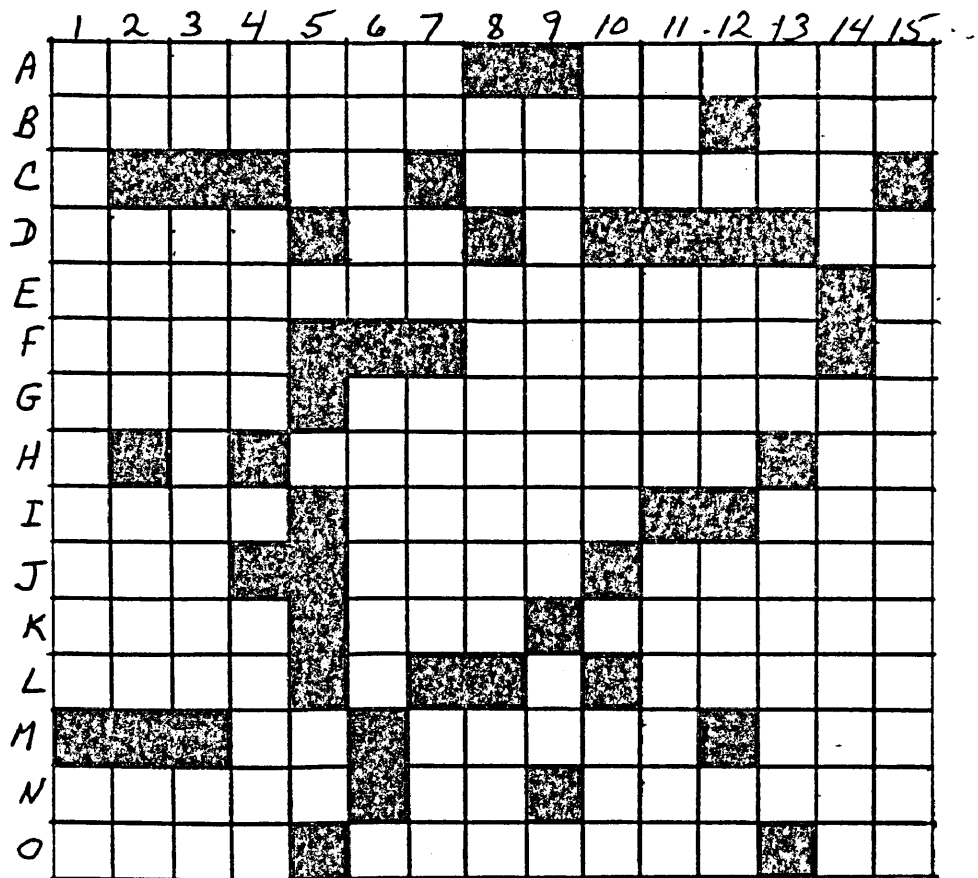
I should like to throw open the problem to discussion among the Math students and Math Society: Until everyone owns a calculator, what is a fair combination of aids to permit in (Statistics) exams?  
Jane Gentleman

## CC gives RJO

A seminar on RJO will be held on February 4, from 3:30-5:00 p.m. under the instruction of Dave Burkett, as part of the Computing Centre's programme of offering non-fee, non-credit courses during the Winter Term.

The Remote Job Output facility allows WITS or WYLBUR users to access output from a job before it is printed. All or part of the job's output may be retrieved to the user's Active File or AWS. The user also has control over the final disposition of the output, and may purge it or specify that it be queued for printing at any location.

Since the RJO facility is available only through WITS or WYLBUR, a knowledge of one of these terminal systems is essential.



THIS GRIDWORD CREATED

By  
Don Hall

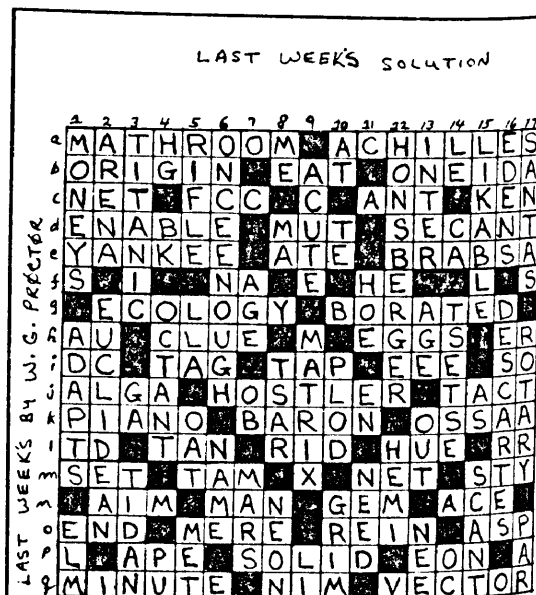
down

- a1 Supergirl's secret identity  
a2 an article  
a3 preposition  
a4 Teaching Assistant  
a5 Indonesian Transit Authority  
a6 pertaining to sound waves  
a7 Sodium  
a10 obtained  
a11 singular  
a12 me  
a13 5/7 of a stone  
a14 test  
a15 Egyptian sun god  
b8 Teaching Assistant  
b9 a sequel to the Pink Panther, Shot \_\_\_\_\_  
d2 Egyptian god  
d3 mythical paradise  
d4 sharpen  
d7 'of' in French  
d15 a bird course  
e8 Tolkien's wizard  
e10 truthful  
e11 American Indians say 'No!'  
e12 Indian god  
e13 Inventor of the cotton gin  
g6 from milk  
g7 a relation by marriage  
g14 pertaining to a barber  
h5 subsystem on the 'bun  
i2 a great lake  
i4 a programming language  
i13 a cruel person  
j11 bearing ribs  
j12 close to the ground  
k4 South American animal  
l9 third person singular in Fr.  
m5 Titanium  
m7 word element; alike  
m8 British title  
m10 Australian bird  
n1 fourth note on the scale  
n2 Erbium  
n3 with reference to  
n12 affirmative; slang

NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_



- Across  
a1 a resident of a country in se Asia  
a10 swelling caused by lack of iodine  
b1 love at first sight  
b13 cutting instrument (backwards)  
c1 the number of jineers  
c5 in the year of the Lord  
c8 increases reception  
d1 move quickly  
d6 cartoon kingdom  
d14 '\_\_\_\_\_, he's making eyes at me!'  
e1 you can drive a long time on this  
e1 James was a singer  
f8 increases reception  
f15 a square used by an architect  
g1 Mrs. Phillips  
g6 a girl's name  
h5 head covering  
h14 conjunction which introduces 2nd of 2 alternatives  
i1 action word  
i6 Superman's alias  
i13 a type of BUL  
j1 anger (backwards)  
j6 patter  
j11 grip firmly with your hands  
k1 little brook  
k6 Interest will fail  
k10 a jinx  
l1 a nautical mammal  
l9 myself  
l11 twist  
m4 near  
m7 small island  
m13 partial derangement of m7 down  
n1 American physicist, born in Italy
- n7 Silicon  
n10 a dependable dishwasher  
o1 level space  
o6 rule or principle in algebraic symbols  
o14 Lazy Yak



# COMMENT:

This week there was a goodly number of right answers. Twenty-eight entries passed our fearless scrutiny without being penalized for error. Thirty-three didn't and four came in late. Sorry you four but our deadline is 4:30p.m. on Tuesday. After using a rather fudged random selection method we find that Doug Orendorff is this weeks lucky T-Shirt winner. So come out to the mathNEWS meeting next Tuesday sometime after 7:00p.m. and get your prize. Special mention goes to colourful Mark Brader who should realize that we can spell titan, to Bernadette Johnson who pulls at our heart strings but not very much, and to Chester Buczek who should get them right before he begs us for a T-Shirt. Don't worry Chester you have lots more mathNEWS editions left.

The CSC Action Headquarters, located in M&C 3037, just across from MathSoc, is now open regularly. The hours are: 10:30 - 12:30 and 13:30 to 16:30, Monday through Friday.

Now that we have found scads of projects that need doing, all the volunteers seem to have vanished. If you want to do something worthwhile (it may be good for extra resources and file space), please drop by the CSC office.

The CSC library has 294 manuals in it now, including Honeywell, IBM, CDC, DEC, Data General, Datapoint and Wang. Everyone is free to browse through the library, CSC members may borrow any of the manuals.

You too can get a piece of the action. New memberships may be obtained at any of the club meetings, or in the CSC office anytime one of the executive is present. There will be a schedule on the door showing who is in when.

## unCLASSIFIED

### ADS

(Note: mathNEWS will print your classified ads FREE OF CHARGE. Just jot them down on a slip of paper, take it to room MC 3038 and have someone there deposit it in the mathNEWS file. Or, drop your ad in the campus mail (a free service) addressed to: mathNEWS, MC 3039.)

\$\$\$ Earn \$100 to \$400 per month in your spare time. Call 744-6979.

To the non-smoker who found my glasses: Thank you!, but ask nicely and probably a smoker will stop. Sarcasm and snide remarks won't get any results except more bothersome smoke. I am trying to stop! It's not easy.

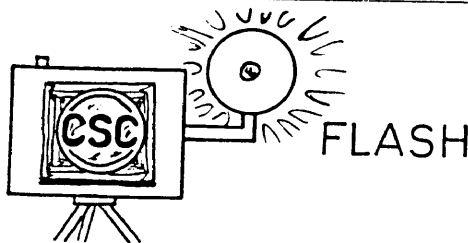
A Smoker

Would the person occupying locker #133 please contact the MATHSOC office regarding the message she/he left on the board. I don't understand what you mean when you say you have 'wrong lock'. Thanks. Janice.

Garage for rent. Ideal for storage. Phone 884-4218.

Townhouse with 4 bedrooms to sublet for May-Sept/75. Located in Lakeshore Village. Call Brenda after 5 pm. 884-5663

WANTED - DOORS ALBUM NAMELY DOORS - ABSOLUTELY LIVE. I WILL PAY ALMOST ANY PRICE FOR A REASONABLE COPY. CONTACT USERID MJLECUYER OR ANCHUNG OR MJNCKENNA.



The CSC has organized itself, and so now we can present you with the following items of interest:

The Computer Science Club is going to hold its next meeting on Wednesday, February 5, at 19:30 (7:30 P.M.) The room will be announced. There is going to be a mystery speaker who will talk on an interesting topic. There will be a door prize, as well as the usual coffee and donuts.

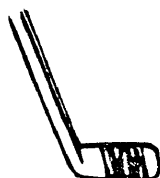
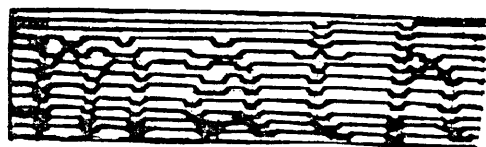
## Beer Break

Most commercial multi-access computer systems attempt to provide protection for data stored by users of that system. Honeywell GCOS users expect the same protection from unauthorized access to data in files and programs. Surprisingly, GCOS users have until recently been quite happy with Honeywell's security features-file passwords and permissions; at least these are workable schemes, unlike IBM OS password protected files. Yet these users are the ones who are getting worried. Sites like the U.S. military's World Wide Military Command and Control System - a logistics communication system using lots of 6000's running "secure" GCOS, Bell Labs, and a raft of Banks such as Seattle First National, Fulton National, etc. These sites can't afford "tiger teams" which try to crack their own systems. Furthermore they have a lot to lose: IWMCCS wouldn't appreciate foreign agents controlling the U.S. logistics system, nor would a bank enjoy you depositing lots of its money in your account, etc.

While at the January meeting of Honeywell users, I drew a lot of interest when I started rattling off the ways students had broken the protection mechanisms of GCOS. In order to keep track of these schemes, I am starting an "Honour Roll" for those who can successfully break a standard Honeywell GCOS release. "Breaking the system" will mean accessing or changing the contents of file you do not have permissions on, or making GCOS or TSS execute your code rather than standard system code, e.g. in Master mode. However, crashing the system, thereby causing any form of interruption to terminal users is a definite No-No, and will be frowned upon.

I will keep a file of successful schemes which no longer work on Waterloo's system with the names of the idea's originator, its implementor and how it works. Periodically I will give a copy to Honeywell and publish it in the Honeywell user group's newsletter.

p.s. The MFCF will award a pitcher of beer to anyone who is able to break the MFCF system, and tells us about it.



# LETICS

## BROOMBALL

hacks

MATH HACKS WIN  
BLOOD ALL OVER THE ICE  
THIS TIME ITS'S THE COACHES

In our continuing serialized soap-opera we see that Kathy X has been again dragged off to a broom-ball game. As we join our story this week Kathy X is scheming as to how she can avenge her kidnapping and rectify the slander against her good name in last week's Mathletics.

Suddenly the opportunity has shown itself. As the coach is directing his troops while sitting on the boards, she makes her move. Viciously throwing herself at her oppressor, she knocks him off the boards, flat on his back. A struggle ensues, and little by little the coach realizes that Kathy X is none other than Angelo Mosca's sister, tougher than nails & as strong as an ox; but can he live long enough to tell the world Kathy X's secret identity??? See next weeks Mathnews for the thrilling continuation of "As the Broom Turns".

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Since the coach is tied up at the moment, I, the assistant coach, will give a brief summary of the game. Dave opened the scoring for the Hackers in the early part of the game while Math was dominating the opposition under the brilliant leadership of the coach. Inexplicably the coach disappeared and without his leadership the team fell apart, letting the opponents score their tying goal.

Quickly the team held an election to decide who was the next worst player on the team, naming him the assistant coach. His first move was to remove himself from the game to take on the assisant coaching duties full time. It was the strategic move that saved the game for Math. It meant the Math team didn't have to use one of their valuable players to guard the assistant coach from scoring on his own net, giving them the advantage they needed to pull out a victory.

Thanks to Kathy & her friend, & Rose, & Lorraine, & Jackie (on the injury reserve list) for setting an all time high for girls at a game. Pretty soon we won't have to count any more.

### Note to Nina:

Don't forget again; the next broom-ball game is a week Monday at midnight at the Barn. All welcome.



## WATERPOLO

Math beats Math  
in water action

Sunday night a grand total of 6 people showed up for Waterpolo & none of them were the other team. With the life-guards & a few innocent by-standers thrown-in we had enough people to play the game anyway.

In typical Math fashion shoddy performances were put in by Math's 2 sub-stars (opposite of superstar), goalies Scrooge and the Coach.

Soggy performances were put in by Janis (which way are we going anyway) who scored the big goal of the game (editors note: only because the coach was in the other net at the time, and he's crummy) and the unknown Sea-horse who thought he was playing for the other team.

Next game is this Sunday, see the Mathletics bulletin board for details.

## FEED BACK

TO ALL THOSE ON THE MATH BROOMBALL TEAM (or should I phrase that those who wrote the article in the last mathNEWS):

After reading the account(?) of our past broomball game, I couldn't believe that such a sob story would be told. The other team-members and I myself (many of whom are Mathies) were appalled at such an inaccurate account. Terms like "open season" and "assassination" would seem more appropriate coming from some hack reporter from the plumbers of the jocks of the church colleges but not from Math. IF tempers did rise to the heights I imagined (which I personally think did not happen); then they did so on both sides. Just ask big Joe C. what he promised Sharon (Dizzy) D. would happen to her if she bothered to "get in his way again". Some mention was made of friendship but it was its loss not its gain.

Tom, Alex, Howard, Don, Steve, the French connection and I personally resent the implications made by persons who cannot take defeat and have to retaliate in a manner which I was told in first year was only low level.

Besides, we have the best team, the best girls and the best spirit and a loss to us should be expected and begrudged.

And gentlemen of this press, the point is out of place, so print it as it is, OK?

Keith McGregor  
one of the whiz kids

# FEEDBACK

Note: Letters appearing in this column represent the opinions of our readers. mathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but, if requested, a pen name will be used.

Dear mathNEWS:

Who is the blank, blank who organized this years semi-formal? Last year's was bad enough with the Don Pond Show Band who couldn't hit a proper note all though they tried all night. But Lighthouse? Sure, they are a great group but not for a semi-formal. If I want to go listen to them, I will see them in concert for \$4.50, but when I go to a semi-formal I want to be able to dance. Another question, what is this \$20 business. Inflation yes, but 100%. I knew the executive gets in for free but some of us have to earn the money to go to these affairs. I think it is time Arith-Soc stopped putting down Engineers and took a few hints from them. It seems they had a very nice formal at the Waterloo Motor Inn, with OPUS II, the best dancing group around, for a price of \$10 a couple. The society fees covered the extra cost. My advice to mathies is to hustle an engineer and get taken to their formal rather than pay \$20 for a Lighthouse concert in a hall with poor acoustics.

Theresa Kardos  
4B Act. Science

## Cornucopia

Like Mike DeHaan of last week's Issue, I have a few opinions that I would like to state now, although sooner would have been better...

As long as any facilities in the Math/Computer building are available all night, such as certain terminal systems, it should be obvious that the building itself should be.

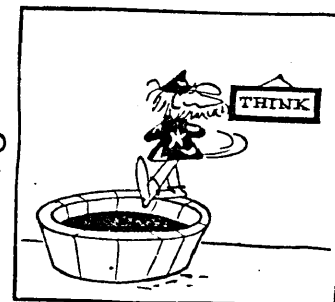
Students should be allowed to pre-register for up to 8 courses, and the number of courses taken should be independent of one's academic record (except possibly for students on conditional standing). It is easier to pre-register for extra courses than to try to add them in September (and possibly encounter SECTION FULL problems). Also, the Council should not hold meetings on dates when student representatives are not likely to be in attendance!

The name of the faculty should be Mathematics and not Mathematical Sciences. The present name is not only four syllables shorter but is more precise, because mathematical sciences should logically be distinct from non-mathematical sciences, applied mathematics as well as pure mathematics, or else those names become

for example physics as distinct from biology; whereas mathematics must include ridiculous. (I think there is a case that CS, C&O, etc., are all applied mathematics, so that that latter department name should be altered; and Computer Science ought to be perhaps Computing; but the faculty name is more important than department names). Before any change is approved, there should be a plebiscite among the students. Who was that student who told the Senate that the name change was "gaining favor among math students"? Not among the ones that I know!

\*\*\* Non-smokers have rights, too! \*\*\*

Mark Brader  
72040281



## Intelligent?

mathNEWS: May I address this brief note to all of my intelligent fellow students at UofW (Engineers and Jocks too).

My objective is very simple and concerns a matter of rights, yours and mine. In the past, several intelligent students, of opposing viewpoints, have voiced their opinion concerning the current smoking issue.

I do not condemn smokers. I do not condemn non-smokers. I do condemn people who fail to consider the "freedom" of others, others who cannot help what they are. Many people develop a condition called allergy, intelligent people know about these things so I won't explain what an allergy is. May I merely point out that there is no living person who is allergic to clean fresh air. There are people, and more than you think, unless you are intelligent, who cannot remain in a smoky, dusty, or polluted atmosphere without sustaining, often severe, sinus or bronchial reactions. This can be painful, even deadly!

Before you light that cigarette or cigar, THINK! Are you around other people in a relatively closed area? Can't you intelligently wait just a few more minutes until you are alone or outside? The world was created with fresh air as a life supporting atmosphere. It works, why fight it? Smoke or don't smoke, that is your choice, but please be intelligent! THINK, IF YOU CAN!

"I DON'T SMOKE 'EM BECAUSE I CAN'T!"

## FED *JJ Long* REports

Three days after this Sunday's 7:30p.m. council meeting two important Federation elections will take place. The Presidential elections and the OFS referendum.

I hope that you will vote YES to OFS and support the increase in the OFS fee from 40¢ to \$1.50. The OFS needs extra money to work for YOU. Students need this provincial organization because faculty, staff, and administration have groups to fight for them at the provincial level. The OFS are fighting for student control of pubs, increased OSAP awards and are combating the provincial cutbacks to the universities.

Further information concerning OFS is available in the pamphlets in the Math lounge.

In the presidential elections there are two candidates, John Shortall and Barb Innes. John Shortall is a third year student who is the former president of the St. Jerome's Student's Union last year and was the St. Jerome's rep on fed council this year. During his tenure as Chairperson of the Board of Students Grievances he oversaw the operation of the tent city project which brought national attention to the student housing crisis. As the current Federation vice-president John has had a general overview of the operation and management of the Federation and its dealing with societies. He has also in this capacity shown his ability to deal with people. Barb Innes is presently the Federation of Students' council representative from Renison college. She is on the steering committee of the Renison Academic Assembly and is chairperson of the Anti-Imperialist Alliance. However she is a first year student with rather limited involvement and experience in Federation affairs.

Whoever you decide to support I hope you voice your opinions by getting out to VOTE in the upcoming elections. A polling booth will be set up for Math students outside the third floor lounge on Wednesday, February 5, between 9:30a.m. and 4:30p.m. Remember the choice is yours. YOU ARE the Federation.

## MATHSoc PRESENTS a Major SEMI-FORMAL

ON SATURDAY,  
FEBRUARY 15, 1975. AT the NEW  
BINGEMAN PARK LODGE

\$ 20.00  
per  
Couple  
with  
**LIGHTHOUSE**

PLUS  
Buffet Dinner

TICKETS on Sale  
Wednesday, Jan. 22.

V1, STJ, CENTRAL BOX  
FED, MATHSoc OFFICES



## UP and COMING

(to enter go over and see Peter Hopkins in the Phys. ed office or contact Gary Dryden c/o Mathsoc)

### MEN'S CURLING:

tourney: Sat, Feb 8  
enter by: Wed, Feb 5

### WART-HOG DAY RING-ROAD RACE

tourney: Sat Feb 1  
entry date: Today so move you butt  
details: 4 or 5 runners

### ENGLISH SQUASH:

Feb 10 - 14 at night  
entry date: Fri. Feb 7  
men's singles & women's singles

### MIXED BOWLING:

tourney: Sat. Feb 8  
enter by: Feb 5

This issue was brought to with great difficulty....first a list of articles that got lost or were ignored...feedback about chinaweek...a letter from a guy who was run over by a bulldozer?? ...a bridge question....a letic question...an unsigned piece of feedback which will not be published unless a name appears to claim it--read FEEDBACK rules...a Gauss lives letter....a Group Against Stinkers Pollution notice...a story by the blue angel...etc..etc...

Our thanks for writting articles goes to jj long, rick beach, jane gentleman...to judy for tape et al Our nonthanks to a burloaf who loafed...and to those who promised but didn't.... The honeybun ambushed our valiant mathNEWS staff at 1am....special thanks to EARL and the 3 unknown hacks who sped to our rescue....

This issue of 1400 copies was published at Graphic Services and produced by a coffee and pizza crew of Pork'n Beans PAYNHAM....Marshall MIKE DILLON....PAUL(zip, zap he's gone)LEAR....a bouncy honey of a bun...GARY(feedback generator)DRYDEN...RANDALL(wellreSted)McDOUGALL...Chevalier mal fet (the blue angel)...INGRID(walking again)SPLETTSTOESSER....STEVE RISTO(to quote f or not to quote-- is that the end??)...DON(almost to the dreary end)HALL...& DENNIS(to the dreary end)MULLIN....

WE ate the 'bun at 7am...delicious...see you Feb 4th in M&C3011 in the evening....