## to smoke or not to smoke QUE STIONNAIRESPONSE

Smoking is, it would seem, a fairly contraversial issue. of the 1500 questionnaires distributed by last week's mathNEIS, 212 were returned (an amazing 14.1\% which is higher than most election turnouts). Another amazing feature was the number of comments included by most of those who answered. In contrast, the Careers Day nuestionnaire of two issues ago (remember it?) has had about four copies turned in. So some of you people really do feel strongly about the smoking issue.

Many people expressed the oninion that the nuestionnalre seemed blased in favour of the non-smoker. But what else could you expect until smokers come up with a questonnaire of their ovin? Despite its fallings, vie hope that the questionnaire has shown something tangible, and nerhans shown it strongly enough to have MathSoc and concerned Math students act in the matter. Several people expressed the opinion that it would be difficult if not impossible to segregate the lounge, however
considering the number of people who favoured it, it might still be a viable experiment, if those who want it aren't going to hide in the corner when it comes to enforcing the segregation.

As for in-class smoking, nothing is likely to be done, or even considered, if YחU don't ask for it in YOUR class. (A freguent alternative to the possible policies listed in the nuestionnare was segregating the classroom - le. smokers at the back).

Comments on the whole ranged from the sympathetic "I wouldn't smoke if someone asked me not to" and "I don't mind neorle smoking as long as they don't blow it in my face" to the extreme "iff someone doesn't like my smoking, they can always go somewhere else" and "all smokers should be lined up and shot". We hone to post a list of comments outside the MathSoc office if you are interested. The numerical results of the questionnaire follow.

## $c$ and d exoneration

## A LETTER FROM LYNNE

To all supporters of the C\&D stand:
As manager of the $C \& D$ stand, $I$ feel it is my duty to reply to the article entitled "Mothballs" (mathNEWS, oct. 25). The writer of this article (who failed to Identify himself) made a number of misinformed comments which $I$ wish to clarify.

Firstly, as regards the decision to switch sandwich suppliers thls term, there were a number of reasons, including cost. The old supplier had just raised his prices which would mean kaisers would be costing you 45 c each and subs $90 \%$ each. sherri Taylor of Mr. Sandwich contacted me and offered a much lower price. As one of the alms of the $C$ \& $D$ stand is to offer the student a good product at the lowest possibie price, I decided Ms. Taylor was
definitelv worth considering. Another math student and myself visited her store. She has a large clean area for making sandwiches as well as a huge walk-in refrigerator in which to store all her supplies. We observed her making a number of sandwiches. All meat is weighed beforehand; the lettuce is washed and dried (In case you're interested, $35 \%$ kaisers contain 1 oz. of meat, 50 k kaisers $13 / 4$ oz. and subs 3 oz.). Supplles, during sandwich making, are covered with cellophane. As soon as a sandwich ls made, it is wrapped and stored in the refrigerator. After sampling a sandwich and all the varleties of meat she uses, I had pretty well decided to buy from Ms. Taylor. I finallzed that decision after talking with Kim Etherington (Engsoc president). Engineering had been receiving sandwiches from Ms. Taylor for a week and had only favourable comments.

Secondly, concerning the moth a student claims to have discovered in a sandwich, I find this hard to belleve. Accidents do happen and so I take this opportunlty to apologize to him. Ms. Taylor was very upset upon hearing about this and says she has no idea how it could have hadoened. Her floors are washed with Javex
(CONTINUED ON NEXT PAGE)

## (CONTINUED FROM PREVIOUS PAGE)

each evening and the store is sprayed 'with bug killer daily (before she begins sandwich making). The moth-finder (who is he???) is invited to Ms. Taylor's store for his choice of sandwich where he can watch it belng made in clean surroundings. I wonder, could the moth have gotten into the sandwlch after it was bought and opened? The math lounge is certainly not one of our cleaner rooms.

Thirdiy, concerning service, I am sorry the $C$ \& $D$ worker only shrugged his shoulders when asked for a refund. This worker is one of the manv foreign students on campus and could not understand the situation, let alone know how to resolve it. A refund or replacement should definitely have been given. Why was the manager not contacted???

In future, I would ask all students to make me aware of thelr complaints (Mathsoc office - if I'm not there, leave a note). The C \& D stand is a break-even operation run solely for your convenlence. If you are dissatisfied with the prnducts or service, you can do something about itl!

Lynne Avard

## questionnaire

RESULTS
non-smokers(176) smokers(36) total(212)
Which do you think is more Imnortant?
(1) the right to smoke
$4.2 \% 151.5 \% \mid 11.9 \%$
(2) the right to not have to breathe smoke


Would you like one room of the lounge
reserved for non-smokers?
rest

| (1) yes | $81.0 \%$ |  |  |
| :--- | :--- | :--- | :--- |
| $(22$ no | $34.0 \%$ | $8 \%$ | $71.5 \%$ |
| $77.2 \%$ | $28.5 \%$ |  |  |

Does smoke ever bother you?


| (1) usually | $40.4 \%$ | $3.0 \%$ | $34.1 \%$ |
| :--- | ---: | ---: | ---: |
| (2) sometimes | $51.7 \%$ | $25.0 \%$ | $47.2 \%$ |
| (3) never | $7.0 \%$ | $72.0 \%$ | $18.7 \%$ |

## DON'T FORGET

## THIS <br> IS math meehiend

Are you bothered by smoke in halls and
elevators?

| (1) usually | $23.2 \%$ | $2.8 \%$ | $19.9 \%$ |
| :--- | :--- | ---: | ---: |
| (2) sometimes | $42.7 \%$ | $16.7 \%$ | $38.5 \%$ |
| (3) never | $34.1 \%$ | $80.5 \%$ | $41.6 \%$ |

no you think a class instructor has the right to prohibit smoking?
(1) yes $80.3 \% \quad 54.0 \%$
(2) no $19.7 \%$
$46.0 \%$
$76.0 \%$
$\qquad$
$\qquad$
$\qquad$
no you think a class instructor has the
right to smoke if it bothers some member of
right to smoke if it bothers some member of
the class? (1) yes $25.3 \%$

(2) no $74.7 \%$

Are you bothered by the lltter produced by
smokers who do not roper receptacles? use ashtrays or other

| (1) usualiy | $67.4 \%$ | $17.2 \%$ | $59.0 \%$ |
| :--- | ---: | ---: | ---: |
| (2) sometimes $26.9 \%$ | $31.4 \%$ | $27.6 \%$ |  |
| (3) never | $5.7 \%$ | $51.4 \%$ | $13.4 \%$ |

no you bellieve that somebody else's smoke
is injurious to your own health?
(1) yes $87.4 \%$
(2) no $12.6 \%$
no you feel that smokers have a social obllgation to accept responsibility of the effects of thelr smoking on others?
(1) ves $94.7 \% \quad 1 \quad 34.3 \% \quad 84.9 \%$

| (2) no | $5.3 \%$ | $65.7 \%$ | $15.9 \%$ |
| :--- | :--- | :--- | :--- |
|  |  |  |  |

What sort of pollcy would you like to see (1) observed regarding smoking in classes? (1) no restriction


## clon＇t wait for spring

All Co－op students currently on campus who will be returning for classes in the spring／75 term should pre－register during the period November 4－8／74 with an appropiate Faculty Advisor at the times indicated below．Regular students who wish to ore－reglster for the spring／75 term are requested to walt untll March／75．
（1）All 1 A and 2 A Honours and Ceneral stu－ dents（ except 2 A Co－op．Teaching $\mathrm{Op}_{\mathrm{p}}-$ tlon students）pre－registering for 1 B and $2 B$ respectively：
E．Anderson，P．Brillinger，R．Dunkley and R．Scolns：

Monday，Hovember 4 9：3：－12 noon mc． 5158 Tuesday，November 5 13：0， 12 noon MC．5158 2：00－4：00 pm MC．5158 Wednesday，November 6 9：3n－12 noon MC． 5158
（2）All 2A Co－op Teaching aption students （Honours and General）will pre－ register as a group during the MATHEL 206 A class on Monday，November $11 / 74$.
（3）All students pre－registering for years 3 and 4 （Honours and General）should see one of the following Advisors according to area of interest．
（1）Comnuter Science－V．A．nyck Monday，November 4 1：00－4： S ？ Dm IC．5158
（ii）C．A．and Business options－J．$\cap$ ． Kalbflelsch Thursday，November 7 1：30－5：30 pm MC．6n92A and Friday． November 8 3：3j－5：33 Pm MC． 6こ92A
（iii）Teaching option－R．Dunkley，E． Anderson and R．Scoins．Pléase sign un for an individual appointment on the sheets nosted on the co－op Teaching option bulletin board outside room MC． 5103.
（iv）Combinatorics $\therefore$ Ontimization－R． Burns Nednesday，November 6 1：32－4：30 pm MC．E133
（v）Statistics and Actuarial Science －M．Bennett and C．Springer

M．Bennett：MC．5：36 Thursday， Hovember 7 9：こ：－11：3：and Friday，November \＆10：3－12 isoon，1：3：－14：3？ mm

C．Sprincer：I＇C． $503 n$ Tuestay， November 5 3：3：－11：35 am， Nednesday，November 5 2：：5－4：00 nm，Thursday，ilovember 7 2：3こ－4：0？pm

## FED FOLLIES

It appears that the Federation student it represents．The counclike the students lt represents The councli seems to be only 10 voting the meeting（some say they were not 30 showed for the meeting（some say they were not told of the meeting）and thus the meeting was cancelled due to lack of the desired 13 members for quorum．

Not to be outdone though the Federa－ tion Socletiec conference proved to be a Doorly attended conference．Two faculties， Sclence and HKLS，didn＇t send reps and the others sent only one rep each with the exception of MATH who had the largest contingent with four．During the conference Shane Roberts and Marilyn Burnett of O．F．S． discussed O．F．S．and the $\$ 1.50$ fee referendum．They explained the work of the G．F．S．and its value．Shane sald that the referendum at Waterloo has been postponed to February 1975 from this November 14 so more people can work on the referendum and bulld support for the O．F．S．I hope you， the students，wlll back $\dot{g} . \dot{F} . S$ at the referendum in February．This group of Ontario post－secondary organizations has been fighting for the students in housing， control of pubs，and by lobbying against problems the students have because of the provinclal government．This ontario group has also been working with the National Union of Students in the federal field．

The next Fed council meeting is this Sunday night．The o．F．S．referendum，execu－ tive aopolntments，and other matters will be discussed．Perhans quorum will be reached．

Also the forum for Fed Math reps is Thursday at 10：30 am in the mathLOUNGE．I hope you are there to ask any questions． Also if you can＇t attend the forum you can nhone me at 884－6688，see me in the Fed Office or write＂FED REDIfes＂in mathNEWS and I will answer your questions．

Finally I＇d like to talk about enumaration．On Sunday after the non－ council meeting 1 ，along with Presifent Telegdi，VP John Shorthall，Shane Roberts， Dave Callay of the Creative Arts Board，and John Morris of the Chevron；attended the meetings of both Village coucils．We stressid the importance of being enumerated and I＇m sure you have been told of the Importance of voting．Perhaps we the stu－ dents can have a sav over the rip－offs city council may do to us and the university． If vou still have a chance，get enumerated if you haven＇t already been．Candidates in the election will be coming on campus in November．I hone you listen to tham and vote on December 2.


## BURGOAMF

When the Honeywell computer first arrived, you could buy manuals for it through the Computer Reference Room on the first floor. Earlier this year, The Reference Room stopped selling them, and you had to go to Honeywell. In downtown Waterloo, to get them. Now, according to a news item on the 6050, the Reference Room is selling them again, and Honeywell has a supplv of manuals which they are selling at discount prices. For example, about a year ago, I pald $\$ 8.00$ for my GMAP manual. Now, hovever, while quantites last, you can get one for the special sale price of $\$ 16.00$.

It's not quite that bad. The sale price is actually lower than the current list price of $\$ 20.00$. When considering this $250 \%$ inflationary rise, remember, before they cost $\$ 8.00$, they were selling for $\$ 12.00$ each.

Report from work term land: Apparently the Chevron (Chevrong?) got hold of the wrong address list for Co-op students not at school. It seems several people have been recelving their Chevrons at their home address rather than at their work term location. I don't imagine this has upset too many people. The Gazette didn't do quite so badly, they got hold of the correct list.

It appears some self centred people thought that they would be dolng the students a favour bv preventing them from getting work done. Two of the statistics HP $45^{\circ}$ calculators were ripped off a few days ago. One had been taken shortly after the room first opened, the thief had taken a crowbar or similar instrument and mangled the case that holds the calculator. This time, the criminal(s) showed a little more finesse for he/they apparently picked the locks that hold the cases shut. Thanks to the thoughtfullness (thoughtlessness) of the guilty party, the calculator room is now locked untll new security arrangements can be made.

Four of the terminals in the back of the $A P L$ terminal room, which are now connected to the CC 70 (they greet you with "service?" when you turn them on and hit carriage return) have had their APL typeballs replaced with correspondence typeballs. Several people have wondered why this move was made, as both WITS and Nylbur support APL typeballs, whereas using APL with a regular character set is considered an exercise in futility. Also, most people who use systems other than APL do so elsewhere.

Looking back, it was about this time of year that the Debug terminal began suffering from the lineup blues. The number of users is rising this term again, so soon we shall see if the new 370158 is
capable of providing the service necessary to prevent the system from becoming choked with jobs and the terminal room from becoming clogged with people.

It always fascinates me... The terminal rooms have NO SMOKING signs posted - this is because the particles in smoke do nasty things when they get into the machinery of the terminals. However, people will disobe. signs, and so the administrators, in their continual effort to please, have thoughtfully provided ashtrays for those who will smoke.

## GRID GLIMPSE

Would you belleve an erratum th an erratum? Two weoks ago we left out the clue to '36 down' not 'across'. Last week we only left out the clue to '92 across'. a fact that fifty-eleven penple dolnted out to us in varlous degrees of couth (or lack thereof). '92 across' should have read 'etellar object', but most everybndy got the answer 'star' without it. Our landsilde th's weok consisted of 72 entries.
---->This week's winner is Tom Muldoon. Sperial mention goes to Jerry Milier who remembered to fill in all the blanks this week: Owen Liebman who informed us of the fact that a panda is not a bear but a raccoon; and Mark Brader who also filled in all the spaces, in technicolour yet. Once again, a plea that you only send in the part of the page with the gridword on it, not the whole page; after all our mallbox is only of finite dimension.

We just recelved another reply as I type this up. Unfortunately $9: 12$ is a little late for responding; the deadiline is Tuesday at 3:30.
last week's solution


mathMEWS welcomes your criticisms, com ments suggestions, etc. All iet comshould be signed, but, if requested, ater il 30 will be used. Submit your feedback in 3038 and have someone there denosit it ietters in the theWS file. Or, drop vour addressed to campus mail (a free service) addressed to: mathivews, "C 3038.

## keep it up

near mathNEWS:
After having read a couple of your great fall issues I'd like to comment on a couple of things.

In reply to J.P. Sprung's letter (Issue 6.4) where he hopes that the faculties would continue to use the Computing Centre services. Why should the Faculties continue to use the Computing Centre if they can get more computing per dollar snent by doing it themselves? It is a case of "the more you do the more it costs" versus a case of "using the facilities as much as you want for a cost that remains falrly constant no matter how much you use".

On another topic, it is interesting to note that the number of people working on mathNEIS this term appears to be about the same as the number who worked on it during the summer. A new low in apathy?

Apparently now is the time to change the Math Faculty name, to reduce library hours and to raise fees because "who cares?".

As for mathNEWS itself. I think it's contents are great, but it's format is incredibie.

Keed up the good work.
nennis Muliln


## bruce's bane

How Not to Select an Academic Propram
In my first year. I wanted to take six math courses. It was not allowed, so I cursed the curriculum makers and did what I was told. In third year when considerable speclalization was allowed, I was no wiser. I selected watered down analyais (fiath 332), watered down algebra (Math 329) and lots of computer srlence courses. For a Derson with broad interests, such a selection is a mistake. We are orimed to make this mistake b" the prestige of the Honours degree (specialized) over the General degree. (Recall the exoression: "dronning. back" into the General program). Why should a General Math degree have lower academic standards (and thus less prestige) than a specialized depree? Better still, why did 1 fall for the orestipe?
Bruce Jamleson

## inhale

As a lifelong asthmatic with an extreme sensitivity to tobacco, I do not belleve that somebody else's smoke is injurious to my health -- I am absolutely $100 \%$ certaln that it does. There are many other people in even worse shape than myself, and there cannot (I hope) be any argument that our right to remain healthy is far more important than somebody else's right to slowly commit suicide (there are many other ways of dolng so which bother nobody). I signed this because $I$ do not feel that these comments should be hidden behind a vell of anonymity.

Owen C. Leibman, 72050659

## blue haze

Dear mathNEWS:
I have just come from that murky place in question... the 3 rd floor lounge. For lack of a better place to go, I sat (after sweeping the ashes off a chair) for fifteen minutes, trying not to cough while eating my lunch and reading, mathNEWS. The air in both sides of the room was a hazy blue and I had to keep blowing clouds of smoke away from me just so I could breath without chewing the air first!

Three cheers for mathNEWS and Mathsoc for finally bringing this issue into the open. Like most people, I tried fumigating my lungs for a whlle when I was younger. However I soon realized that $I$ prefered breathing air to smoke, and thus stopped the foul practice. Smokers, as a species, are very inconsiderate beings. Many of them will go against any number of NO SMOKIIJG signs and light up just about anywhere. For this reason I think it will be a near impossible task to segregate the smokers and non-smokers into the two sides of the math lounge. Also I'm sure the smoke would tend to drift into the non-smoking side, just by simple diffusion laws, let alone the smokers who are bound to wander unthinkingly into the other side.

Thus $I$ make a different suggestion: Why not forbid smoking in the lounge entirely and let people go out onto the balcony around the lounge when they want to breath smoke? If this is not feasible but the original proposal ls, then I suggest that some better ventilation be provided in the lounge. I hone something, will be done soon before the non-smokers are forced to desert the math lounge and try some other place. (Maybe the C2 lounge? I've never seen it blue with smoke. but then they don't sell any food there either.) Oh well...(cough...gasp.... wheeze choke.....)

Hazily yours,
C. M. Taylor

## CSC COURSES

|  |  |  |
| :--- | :--- | :--- |
|  | MONDAY | TUESDAY |
| NOV. 4 | NOV. 5 |  |


| WEDNESDAY | THURSDAY |
| :--- | :--- |
| NOV. 6 | NOV. 7 |

NOV. 7

| QED | useful | B |
| :--- | :--- | :--- |
| Introduction | subsystems | Introduction |
| to be announ. | M\&C 3007 | M\&C 2035 |
|  |  | ROFF |
| TSS | GMAP |  |
| Introduction | Introduction | Introduction |
| M\&C 3032 | M\&C 3003 | M\&C 3007 |

WEDNESDAY
NOV. 6

Introduction M\&C 3003

The CSC has scheduled a serles of seminars about the Honeywell. This is the timetable for the lectures next week. These seminars are intended for people who haven't used the Honeywell, or are unfamiliar with the system. You will learn the basics of getting things done on the "Bun".
The cSC has
scheduled a serles of
seminars about the
Honeywell. This is the
timetable for the lec-
tures next week. These
seminars are intended
for people who haven't
used the Honeywell, or
are unfamiliar with
the system. bas
will learn the bas
of getting things done
on the "ibun".

11:30
$1: 30$
QED
Introduction
M\&C 3007 M\&C 3007

More lectures will be scheduled in the future, hopefully covering topics such as how to use the Varian plotter, and ALGCL.

There has been a lengthy delay in getting the CSC accounts up on the Honeywell. Well. it's not that we have forgotten (wehave been reminded many times of the situation), but rather that it apparently is a difficult task getting the USERIDs in, and only recently has the method that is to be used to put them in been developed. Thanks to Honeywell's Super Software, one has to go through much machination to get anything done.

## CC COURSES

The following sessions are being held as part of the continuing serles of Computing Centre Fall Courses. To register please contact Dianne Hart, the User services secretary, at extension 3271.
COBOL and File Processing. File processing is an integral part of most commercial and scientific apolications of computers. simple file processing applications will be discussed as a means of introducing the COBOL language. The course will be held on November 4, 6, 7, 11, 13 and 14 from 3:30 to 4:30 p.m.

ATS (Administrative Terminal System). ATS is a terminal system that enables a typist to use the assistance of the computer in the preparation of manuals, reports, letters and other documents. The typist is able to type into the comnuter via a tupewriter terminal and use ATS commands to correct and revise the document and to format the text into a specific line width and page length, centre titles and text, and print the material on the terminal or an a high-apeed printer. ATS will be offered on November 5 and $7 \mathrm{fr} \sim \mathrm{m} 3: 30$ to 5: 00 0.m.


Theorem: 2=4
Proof: Let $x=\sqrt{2}^{\sqrt{2}^{2}} \begin{aligned} & \text { Solving for } x: \quad x=\sqrt{2}^{x}\end{aligned}$

$$
\log _{2} x=x \log _{2} \sqrt{2}
$$

$$
\begin{equation*}
\frac{\log _{2} x}{x}-\frac{\log _{2} \sqrt{2}}{2}=0 \tag{1}
\end{equation*}
$$

$x=2$ and $x=4$ are roots of (1)

$$
\left.\begin{array}{rl}
\Rightarrow \sqrt{2}^{\sqrt{2}^{\cdots} \cdots} & =2 \\
\sqrt{2}^{\sqrt{2}^{\cdots}} & =4
\end{array}\right\} 2=4
$$

```
reverse
lf to cut away 
lf to cut away 
2a egg-shaped
2f a Welsh dog
2p United Natlons Legion of Reservists
3a a valley
concerning
editor (abbr)
last words (two words)
resentments
exhaust
a girl's name
OS
2%
blush
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$\qquad$

```
a Greek letter
```

a Greek letter
prefix- on this side of
prefix- on this side of
a note
a note
ruler
ruler
de
de
- from the side of
- from the side of
a dagger
a dagger
one's self
one's self
satisfled
satisfled
a young man
a young man
not Ying
not Ying
a pointed archway
a pointed archway
did ride
did ride
Egyptlan god

```

To submlt your solution you can:
    sole
    two thirds of water
    electronic censoring
    an exclamation
    tetter-totter
    pertaining to 7a across
    a jock
    York Royal Regiment of Tanks
    two vowels
    behold (latin)
    heaven (french)
    a display
    to daze
    now isn't this
    rewards (archalc)
        seven (french)
    ?
    a hunting cabin
    pertaining to eggs
    greetings
    done on a sled
    loose mountaln rock
    garden implements
    a suffix forming degree
    old
    H.
    did make Haggard
    did make
    finished
    the chosen few
        around the gills
    awildebeest
    for each
    a session
    part of Africa
    a boy's name

this week the gridword is by dave newell

NAME \(\qquad\)
PHONE \(\qquad\)

\section*{drac is back}

The Transylvania Club presents it's annual DRACULA NIGHT on Saturday, November 2nd, at 8:00. Admission FREE-If in costume; \(\$ 2\) if not. Prizes for the best costumes in varlous catagorles. Enioy an evening of Dracula cocktalls with the Count In his Castle at 16 Andrew St. In Kitchener (2 blocks south of the K-W Hospital).

\section*{we're available}

WHAT IS IN MC 3023?
COME IN AND FIND OUT:
Need a Faculty Advisor?
Want to talk?
Prof. Problems?
Need to sharpen a pencll?
Then come to the Mathroom-m+c 3023

\section*{LAST CHANCE}
lovember 4, 1974---Deadi ine for Aronping
Fall courses.

\section*{unCLASSIFIED}
(Hote: mathNEWS will print your classified
ads FREE OF CHRGE. Just jot them down on a slip of paper, taike it to room Mic 303 B mathinws file. Dr. drop your id in the campus mall (a free service) addressed to mathHEWS. IUC \(3 n 3\) g.l

\author{
HOUSING NANTED: January to April '75. 2 or 3 or 4 bedroom townhouse or apartment. Close to Uniwat and Laurler. Preferably furnished. Call Ingrid (collect) 1-416-291-6658 after six. \\ FOR SALE: Murren wood skis 175 cm., with mounted Solomon bindings and ladies Garmont 7 1/2 boots, with poles, \$150. 653-1239. \\ TIRONTO2 bedroom apartment to sublet January to ADril \\ - \& 204 per month \\ -heated indoor parking \\ -close to T.T.C. \\ -contact Maryiyn at 885-1663 or Rob at 1-416-494-3981
}

Wanted: Barmaid Waltress for exclusive
Men's club. Apply to 3012 before \(9: 32\) a.m.

PERSONAL: HERMAN died last night. those interested in attending funeral services Phone 2324 and ask for Zelda.

PERSONAL: Userid iggollan would appreciate mall of any sort but particularly from sympathetic persons.

PERSONAL: Girl wanted to share one-bedroom

\footnotetext{
mathNEWS-- is a news weekly(every other week in tite summer) nublisher and
Waterloo, Waterloo, Ontario, Canada. Printed on campus ar) nubilished at the University cf financed through mathematics society fees. The campus at firaphic Services, mathNEWS is sole responsibility of the mathNEWS staff. We welcws and oninions exnressed herein are tre san be contacted at mathNEHS, M\&C 3038 , Gur weekly dome your letters and submissions and we , roduction that evenin? In M\&C 3011. Feel free to cron ine is 4:30pm, Tuesdays, with
}
last night was ridiculous... so much so that we von't even mention the current time...
but Mark shields (who signed in and left) where were you when we could a use for you... tonicht's cred in and left) where were you when we could have finally found 2:45) incidental thanx to to \(J J\), as weli \(20: 30,0: 25\), and \(8: 25\) (with one threatened at ouite make it this week.... and when are you the Raven, Magoo, and MSF whose efforts didn't something... to the mysterlous benefactor who send a nacker of and a word of srecial... he ate it... paper and all!!!!!!! (you notice something guys???) to jewell hope to see you notice something strange about some of these next issue is created tuesday \(\operatorname{Nov} 5\) in Mc \(5011 .\). . . . and that goes for anyone else these
this week's monstrosity was pulled together by...
it's PRRAYning (??), boff and his dog (dave newilijim the torch mantle + barbara reid, chevalier mal fet, joe (yes that really is my name) ilfshilion, ian (eat anything) gollan, mathMEWS disconnects```

