

math **NEWS**

1A July, 7C7

Volume 38 Number 5

Draw your own cover!
Collector's item!
(Crayons not included)

Captain's Log

Space . . . The final frontier . . . Oops! Sorry, wrong log. Well, it's good to see that everyone's alive and kicking after such an amazing term! (Except maybe the Social Board - Don't say the words "Mathsoc Event" anywhere near Stacey, Oliver or Julie.) Anyway, back to the log. After long hours of thought (sleep) I have come up with my final log of the term. $\log x$. It's my favourite log! O.K., o.k., here's the standard log entry for any end of term report. "This has certainly been one of the most fun terms I've spent here at Waterloo! Everyone was very helpful in making this summer in Math a memorable experience. I hope everyone had as much fun as I did and I wish you all good luck on your finals and on your work terms." Now that that's out of the way, I can write the truly unique part of this log. I just want to thank all of the Directors and Council Members for doing such a fine job in their respective areas. I would also like to thank the Office Workers and other miscellaneous volunteers who have kept things rolling throughout the term. I would especially like to thank my fellow executive, Markus and Kevin, for their encouragement and support during the term. (By the way, subsequent to the subsequent correction of the Imp'tant article it has been learned (through an official memorandum) that the fee increase will appear on the Fall fee statement.) See you in January!

Harish Pawagi
President

MGC

Hi Everyone,

If you haven't already heard, there is an End-of-Term Pub at the Huether on King St. (See the showcase for the exact address). Tickets are on sale until 1:30 today for \$2.00 (with a button) but can still be purchased at the door. You don't have to be a '92 Grad to attend so bring anyone you know. It will definitely be a lot of fun!

We are in the process of buying Oktoberfest tickets for the fall so if you think that you may want to come up for the festivities while you are on your work term just come and speak to someone at the MGC office and we'll save you some tickets. If this is too soon to decide, simply call the MGC office in the fall and find out what the scoop is.

The last thing I have to say is thank-you to everyone who helped out or showed up at MGC events. Your effort was really appreciated. Hopefully everyone can help out in January when we will need a lot of help with Math Grad Ball stuff! By the way, if you are going to be around in the fall, the MGC will still be going strong and looking for help so feel free to stop by.

See you at the Huether!

Tracy Kealey
MGC Chair



Well this is it People. Our final issue of MathNews where we are Social. We hope you guys had a Great, Wonderful... (we could go on and on) term. Let us say the experience of being your summer social fun fest people was.....no cereally, we had a terrific term. Good-Luck on FINALS. (sorry that we used the four letter 'F' word) Have a great HOLIDAY

Oli, Jules and Stacey



Ultra Classifieds

return just in time

ISSN 0705-0410

Oli . . . I'll quit!!!!!!!

To all the people who post illegally: Thanks for the thumb-tacks and the pushpins, especially the colour ones!!

Posting Board slave

Dave: I'm sorry, your 23rd century friends can't do that.

Ford

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Editor: Marcel "The Hexed Editor" Goudeseune

TP ♡ CY ?

The Act Sci Club Rules... Again!

Whoa! I can't believe it is the end of term already! If you blinked, you probably missed one of the Act Sci Clubs exciting social events, seminars or baseball games on Village Green. (Considering the turn out for some events, it might have been wise for the Act Sci club to provide free eyedrops with each membership.) To those who came out to (the wildly successful and incredibly hilarious) Yuk Yuk's, the Brick Brewery Tour, the several baseball games and the two seminars, the Act Sci club salutes you. Hope to see you all again next term.

Just before we all head into finals, I want to announce the Actuarial Students National Association Annual Conference to be held in Montreal this upcoming January 24th-26th, 1992. This conference will be attended by Actuarial Science students from Waterloo, Western, U. of Laval, U. of Montreal, Concordia U. and (maybe) U. of Toronto. This conference is a great way to meet people from other universities and allows you to party to the limit allowable by law (and beyond provided you don't get caught by the cops) in a city that almost guarantees that you will have a good time! The official agenda for the conference includes speakers, seminars, dinners. In other words, the usual conference stuff. The 'unofficial' agenda kept by the Waterloo students at last year's conference in Quebec City included drinking, partying, clubbing (i.e. club crawls) and 'rest time.' At the present time, we feel that is no need to change the 'unofficial' agenda for the upcoming conference in Montreal.

If I may reflect for a moment, there is one thing I just don't understand about the conference and the Quebec universities. Where do all the babes, oops, I mean females come from?!? The female/male ratio of the Quebec schools puts the Ontario schools to shame! There are even blondes, too!! [But blondes don't exist :-)] — Ed.] A whole bevy of blondes in Act Sci?!? I thought blondes couldn't exist! Not in the real world, anyway! But whether it is the drinking water in Quebec or a time-rip in the fabric of the universe that distorts everyone's ability to determine reality (I personally like the latter theory), they are there and they won't go away! I'll got to say about that is "Thank God!"

Getting back to the conference, all of the information and expenses are not known and the conference tickets are not on sale yet. However, tickets will be going on sale some time in the Fall term. Please note that due to high demand from people at the Quebec universities, tickets for the conference may not be available in the Winter term. If you are interested or are undecided and would like to receive info as more comes available, please give your Act Sci year rep relevant info as to where you may be reached this fall, whether it be an address, a phone number or company name (please give the city too). If you are unable to find your year rep or do not know who he or she is, please slide the info under the door for room MC3034.

That's all for this term! Hastalvasta, Baybee!

The Waynester
the Waynearama
the Waynemeister!



Pure Math Club

the last article of S91

Well, loyal followers... we have once again completed another successful term. Our talks are done. Our social events have ended. And by the time you read this, our highly esteemed and worshipped executive committee will have already blown the rest of the budget on alcohol and similar substances. Our latest events have included:

- A totally awesome talk on cryptography.
- Our butt-kicking of the AMC, CSC and Act Sci Club in a free-for-all tournament last Saturday, July 20th. An awesome time was had by all. We declare ourselves the champs... although different opinions may exist.
- The PMC vs. PM profs and grad students was a really good game. Our score was closer to zero than their's was... so I don't know what that means. Our exec will re-evaluate the results and publish a report on their findings. Congratulations to the profs and grad students for struggling so hard.

- President Carmen Young's birthday on August 8th. She's going to Paris, France for a year and she will be sorely missed. 'foodles, Carmen!

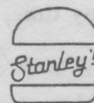
Coming up next term we have:

- Executive elections sometime in September.
- A talk by Paul Check (one of the cool PMC members) on some bizarre topic related to something he did this summer. I forget what.
- The return of the dudes-from-Budapest and of course the return of Sharon Fournier from (the wastelands of) Sudbury. That's a joke! I love Sudbury!
- DON'T MISS OUR ORGANIZATIONAL MEETING IN EARLY SEPTEMBER!

Have a good work term for those of you going on co-op, and I'll see everyone else in the fall. Be nice to frosh, eh!

Jason-san, the eventual C&O god and person-here-in-September

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Prof Quotes

For some inexplicable reason, the quotes submitted this week are few and, quite honestly, not very good. What happened people? Usually the quality and quantity of quotes increases exponentially over a term as people go through their notes where they scribbled down whatever the prof said. The boring stuff they memorize for an exam; the funny stuff they send to us. You'll have to leave campus with just these few to get you through til next term.

"If they didn't pay me, I wouldn't do it at all."

Honsberger, Math 136

"I leave the other rows untouched by human hands."

Rowe, MATH 136

"Stompin' Tom would know."

Duley, Phys 253

"If we could have a little less mirth in here ..."

Martin, MUS 100

"We took it easy on you the last couple of weeks so we can make your last lab a living hell!"

Curtis, CS 132 TA

"Did you have it backwards? That's known as dyslexia. Matrix dyslexia is very common."

Rowe, MATH 136

"We can't keep our hands off these things. We just have this tendency to play with them."

Buhr, CS 242

"This has to be a number. Evaluate it, dammit!"

Froese, MATH 137

"Is anyone interested? Fine, I'm going to do it anyway for my benefit."

Best, Math 138

"I would say crap if I could."

Kevin, CS 131 TA

"You people are all a bunch of anthropomorphic processes ... And Jim is on the ready queue, the rest of you are suicided ... (Response to Jim's question) Don't waste my time, kid!"

Zilio, CS 452

"You could go to a piano bar and hear these two chords all night."

Martin, MUS 100



What Mathies Should Know About Artsie Courses

This article is intended for those mathies planning to take an arts course next term. While some of you may be yelling 'Bird! Bird!', you haven't taken Linguistics 306.

From the perspectives of a mathie taking artsie courses and an artsie taking mathie courses, we figured we'd blend experiences. We amputated each other's brains, threw them in a cuisinart, set it on puree, threw in some spam and came out with what arts profs call an 'objective opinion'.

Contrary to popular stereotypes, artsies profs more absent-minded than math profs. Artsie profs can't even find the light switch, let alone change a lightbulb. This is perhaps owing to the fact that artsie profs are ancient with a capital A. They will often go off on tangents, and as a result, they will become several weeks behind the syllabus as the course progresses.

On the up side, artsie profs are *nice*. They actually know what the term 'extension' means, unlike math profs who will usually demand a body part as collateral. However, Shakespeare profs are the exception, often requiring a "pound of flesh from closest to the heart".

Getting to class can be difficult. Not only is the Arts section of campus a long way away, you may also have to navigate *Hagey Hall*. This should be avoided for the same reasons you avoid the 6th floor. Should you find your class (?), the chairs will not bust your butt, unlike Davis Centre models.

Once you get to class is where the real difference begins. Speaking out in class will not immediately classify you as keener or knucklehead. As long as you can support what you're saying (emotional pleas count), you're right. Remember, you can be right and still get an 'F'. Also, no matter what you say, someone will disagree.

Note-taking protocols in artsie courses are radically different from mathie courses. If the prof writes his name on the blackboard, you're lucky. It is a much more refined skill than taking notes from a math prof, who was born with a piece of chalk in his hand. Artsie profs talk; mathie profs write. There's no catching up if you're late for class or fall asleep (an occupational hazard in every faculty).

Lord Fnord
Not the Secretary

Flash

CSC President Missing

Since the president is missing, it is my responsibility to write this flash. Yes. Even though I am only the lowly Secretary. Some speculate that Calum has found him, but others figure he was just plain fed up with the job. So what is the state of the system? It's up down up down up etc. We had an excellent time Sat, July 20th. The baseball tournament was great! Our pitchers came a hare's breadth from pitching a shutout game in a 16-1 victory (unfortunately, a victory for the other team.) Well, that is all for now.

Mark Tompsett
Secretary

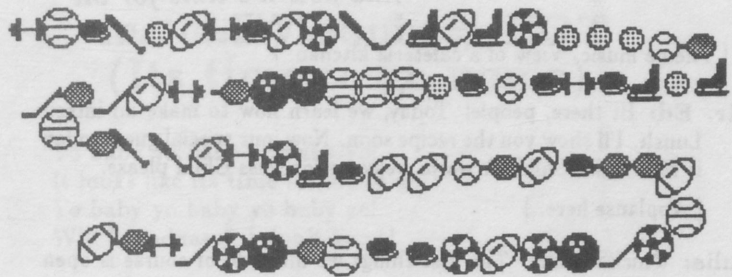
P.S. S.M. Phone home!

P.P.S. The CSC is *NOT* an off-ramp, MathSoc!

The Chip-studded Muffin

O say can you see, by the microwave's light,
 What so proudly we nuked at the cafeteria eight
 kitchen,
 Whose broad chips and butter, through the perilous
 bite,
 O'er the branparts we watched, were so luciously
 steaming?
 And the exit's red glare, the muffins light as air,
 Gave proof through the trite that our food was still
 there.
 O say does that chip-studded muffin yet steam
 O'er the Cokes that are free and the tables that gleam?
 O thus be it ever when free pop shall stand
 Between their loved lunch and the office desolation!
 Blessed with butter and coffee, may the intern-rescued
 food
 Praise the Power that hath made and nuked us a muffin!
 Then ingest we must, when our cause it is just,
 And this be our motto, "In Lunch is our trust!"
 And the chip-studded muffin in triumph shall steam
 O'er the Cokes that are free at the time of twelve-
 fifteen!

Edwin Lokand Key



Debating Defacing Bases

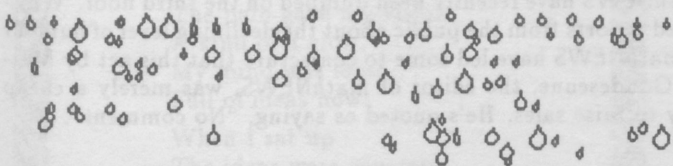
But Arillius, surely you can't have a base less than 1, because base 0 doesn't work and it is less than 1!

But my uneducated friend, Daryl, you can have a fractional base! However, I don't believe we have a way to notate it!

Ah, I see my error, but if we can have a fractional base, I don't agree about our expressing it. We do have a way to express it! If a, b, c and m are numbers, then we can have a base such that a can be represented as b^{c^m} as long as c does not equal to $-1, 0$, or 1 .

Avoiding negative numbers, because my abacus doesn't do negative numbers, all our number systems use an infinite amount of integers to express real numbers, and so I must conclude that we are discussing an impossibility, or this is an article in *math-NEWS*.

Markus Maximus Arillius
 The Quixotic Jedi aka Other Brother Daryl



Raindrops keep falling
 on my...

Masthead

Here we are. Or at least here I am. You'll hopefully be somewhere else when you're reading this on Friday morning. Anyways, it's been a fun term, Tuesdee night layouts and all. I've managed to thoroughly confuse myself on a number of issues, not the least of which is my courses. The other reason is provided on a need-to-know basis only.

Here are the people who worked on this issue, along with their quest and favorite color: John Tucker (Beating the ducks with chess pieces, Teal with lavender flecks), Devin Carless (To *not* graduate, Sort of a colourless sort of colour), Betty-Jo Hill (FSA or FCAS, Pink), Kivi Shapiro (3A Math, Fuchsia), Shannon Mann (The Holey Braile, Electric Blue), Curtis Desjardins (Give me a degree. Any damn degree!, Roadkill red), Penny Watt (*Finally* finishing all my CS courses, Purple), Rick McTavish (A Brunette, A Bathtub & An Egg Beater, Does anyone really have a favourite color?)

Marcel Goudeseune
 The Heart of !Secretary
 Pink (also)

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And now it's time for the

[Theme music. View of a cafeteria kitchen.]

Mr. Ed: Hi there, people! Today, we learn how to make an intern Lunch. I'll show you the recipe soon. Now, our special guest today is Miss Julia Child. A warm welcome for Miss Child please.

[Applause here.]

Julia: <hick> Hello. The first things we must do of course is open the appropriate <hick> bottle of wine for the occashion.

[ker-thunnnnnnt!]

Julia: And of courshhe, we must properly shheason the cook.

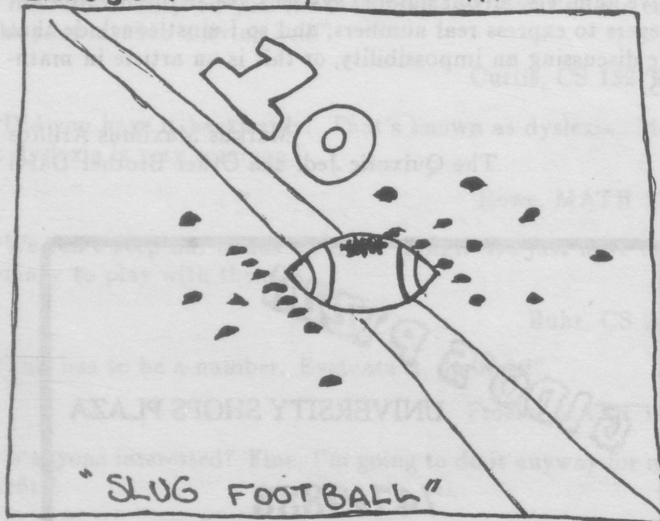
[Julia takes a swig or 8 of the wine.]

Mr. Ed: Well, today, we are making some borscht...

Julia: <hick>

Mr. Ed: ...and of course, that requires some fore-thought.

SLUGSPORTS - By Steve Griffin



Fall 1991 Subscriptions

Well, it is that time of year again. Fill out the form below and get your favourite newspaper (no, not Imp'tint, *mathNEWS*). Just put the completed form, and the required amount of money in an envelope and put it either in the *mathNEWS* BLACK BOX or under the *mathNEWS* door (MC3041). Make cheques payable to *mathNEWS*.

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Galloping Gourmet

Julia: Borscht? What's a borssst?

Mr. Ed: A borscht is a borscht, of course a borscht, unless of course, the borscht is the famous Mr. Ed.

Julia: Thatch doesn't make shense.

Mr. Ed: Of course not, it was put in for humour value only.

Julia: <hick> That shhtill doesn't make shhense.

Mr. Ed: Well, just forget it then.

Deeptom

Julia: <hick>

Edwin: Hey, the Lunch message is over. Get out of here.

Julia: Well, escuuuuuuuuuuuse me. <hick>

Julia: You forgot to mention the FREE yoghurt where Lunch isshhh.

Edwin: I said, the Lunch message is OVER. GET IT? OVER. Done. Finito. End. Go home.

Julia: Shhhhpoil shhport. <hick>

Vapid Fire

Mathies everywhere have noticed that last term's issues of *mathNEWS* have recently been dumped on the third floor. Whispered reports from the public about the declining level of humour in *mathNEWS* have led some to conjecture that this act by Marcel Goudeseune, the editor of *mathNEWS*, was merely a cheap ploy to raise sales. He's quoted as saying, "No comment".

And now the weather. Today's weather has a 50% chance of continuing as it is now, and a 50% chance it won't. A high or low pressure zone may or may not be forcing a warm or cold front north, south, east or west, and could bring rain, sunshine, clouds or anything else. Apart from any clouds, the skies should be clear, with temperatures generally above 0° Kelvin.

Recent patrols of Taste Police troopers have been roaming the UW campus following a recent court order to crack down on the illegal use of the word "Not!" Several suspects have been apprehended and UW English professors have reputedly informed on students. Other campaigns have been focused on the illegal garden gnome trade, Enginews, edible underwear, and Vapid Fi

Lord Gord Bjorn Fnord

How UW CS Machines Got Their Names

ORCHID: "Oh Rick, come here, it's down!"

POPPY: "Peter, oh Peter, Peter, YES!!!"

TRILLIUM: "To Rehder, I loathe looking into UNIX manuals."

CROCUS: "Caroline, regarding our cursed Unix system ..."

three men and a lady

T'was The Night of Producktion

T'was the night of production
And all through MathSoc,
Not a creature was stirring
Not even a duck.

The door was open
The music was nice,
And the table was squashed
Against my face.

The students were lost
Fresh out of ideas,
With wisps of smoke
Coming out of their ears.

And I in my bordem
The scenery bland,
Decided to write with
The help of a friend.

When out in the hall
There arose such a ruckus,
I sprang from my chair
And tripped over the desk.

The pain gave my vision
A kind of a glow,
My mind was loose...
Full of ideas now!

When I sat up
The ideas were concrete.
I yelled for my friends
And called them by name:

"On Fnord, On None,
On Daryl Quixotic...
On Jose, On Editor,
And Deepthot.

"To your computers,
While I was felled,
I had a good idea
I'm sure you'll be thrilled."

"Stay still, calm down
You have a concussion.
Someone call a doctor
God help you, man!"

"He's lost his mind!"
"He must be sick!"
"Him have an idea?
He's on his back!"

So there I was
My story untold.
We had no ideas
And I was out cold.

The Quixotic Jedi aka Other Brother Daryl

mathNEWSsquiz # EOT (Its time to go home)

Yo baby yo baby yo baby yo!
It looks like its time for me to go!
Yo baby yo baby yo baby yo!
Will I graduate? I don't know!

I never claimed to be a rap-master, and now you know why. Man, it's hard to believe that the end-of-term is upon us. This summer sure went fast. Too fast. One good thing about the EOT, though, is that now I don't have to freeze my #\$\$%&* off in the Mac lab every week.

Anyway, here's the answers to last issue's squiz: 1- 1962; Delta Tau Omega ($\Delta\tau\Omega$); 3- 1st year Psych; 4- Green; 5- Bird on a Wire; 6- some Woody Allen movie (which one? who cares! it's a great quote); 7- Funny About Love; 8- Another 48 Hrs. (of course, the quote used was rewritten slightly in order to make print); 9- The Golden Child; 10- 48 Hrs & Another 48 Hrs; 11- Bloodsport; 12- Karate Kids I, II, and III (he's the whiner getting the snot beat out of him all the time); 13- John Connor; 14- Kyle Reese; 15- August 29, 1997; 16- Miles Dyson.

There were only 2 entries this time. Cosmic Charlie got 3 correct, and our winner this time with 9 correct answers was Pebbles and Bamm-Bamm. P and BB can collect their well-deserved-and-oh-so-valued winnings at MathSoc.

And so ends another term of squizzing. With any luck, I won't be kicked out of this place after the term is over, and so you may see me at the helm of the squiz next term. Until then, ay-dee-oh-sss.

Fluffy the Wonder Bunny

Logic Results

Hey, all right! We got two solutions, from Not the Secretary and BEAST, an engineering type person, and both were completely right! Kudos, and prizes, to both. The solution from Cosmic Charlie, that the IRA would be sure to interfere with any such race and that the sight of the Queen in spandex shorts would leave all Britain nauseous, can be discounted, although it was rather amusing. Actually, it was very amusing. Aw, what the heck, you get a prize too, CC. For future reference, the answer was

- 01 The Queen Mother arrived Thursday on a puce bicycle
- 10 Prince Philip arrived Friday on a royal blue bicycle
- 11 Her Royal Highness arrived Saturday on a royal purple bicycle
- 100 Duchess Sarah arrived Sunday on a mauve bicycle
- 101 Prince "Drew" (that from the engineer) arrived Monday on a chartreuse bike
- 110 Princess Diana arrived Tuesday on a cyan bicycle
- 111 Prince Charles arrived Wednesday on a fuchsia bicycle

Who, me?

An apology for an error in last week's cryptic solution. A strange time warp caused the intersection of 5 down and 8 eight across to vacillate between a V and a U - kudos to those who noticed and complained!

This week's (hopefully bug free) grid contains four acronyms and one livestock health problem (sic!) in the cryptic and two proper nouns in the conventional.

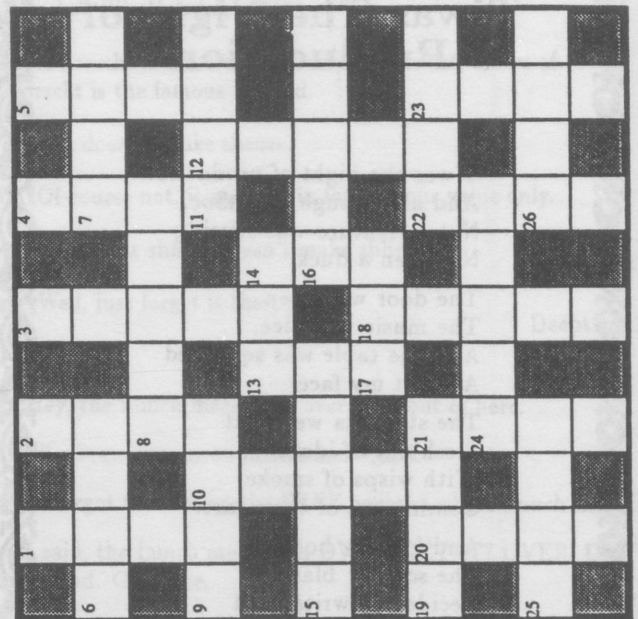
Cryptic Clues

Across

- 6 (4) We and Giant's LB raise big bruise
- 7 (4) Crazy rite on stage
- 8 (5) Popeye's favourite oil?
- 9 (4) All new merican League is uptight
- 11 (4) Hammer with grad degree up left
- 13 (3) Age a pitcher's stat
- 15 (5) Water craft contains sinister gas problem
- 16 (5) Al first, after knockout of small fuzzy animal
- 17 (3) Short painkiller
- 19 (4) Grieving wood
- 22 (4) Tom engages sign
- 24 (5) Poor down back for wilt
- 25 (4) Stop advertisement
- 26 (4) A confused air sung alone

Down

- 1 (4) Small, hat-less, that is latin vegetable
- 2 (4) Eat olives on coral island
- 3 (5) Right bier crashes into bramblebush
- 4 (4) Unit of confused time
- 5 (4) List is same nuisance
- 10 (5) First perform news process then decorate
- 12 (5) American League arm can cause some concern
- 13 (3) First after alien is expected to arrive
- 14 (3) This word also known as pseudonym?
- 18 (5) Southern easy trot downhill
- 20 (4) Another 2 Down is french article
- 21 (4) Corner merges example and defensive end
- 22 (4) Stone, or left around Pennsylvania
- 23 (4) Constant mass univeristy can radiate



Normal Clues

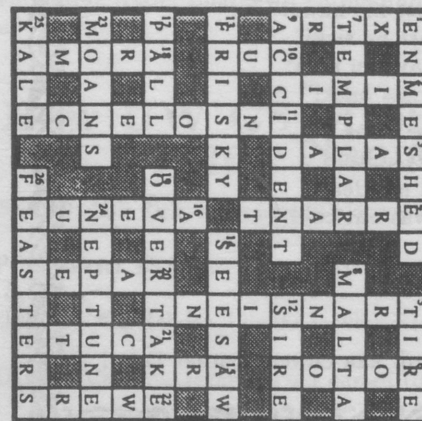
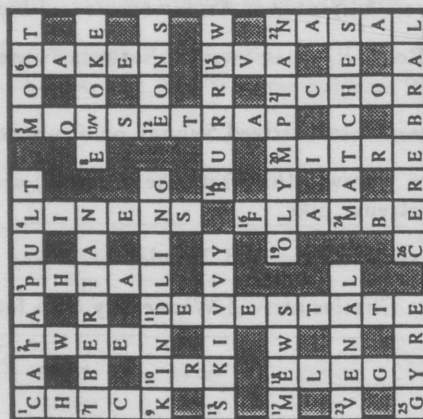
Across

- 6 (4) African tribal language
- 7 (4) Solely
- 8 (5) Merchant's group
- 9 (4) Embroidered embellishment
- 11 (4) Engrave
- 13 (3) Marry
- 15 (5) Texans must remember this
- 16 (5) Means of egress
- 17 (3) Immediately
- 19 (4) Swabs
- 22 (4) Inferno
- 24 (5) Glue
- 25 (4) Environs
- 26 (4) Women's voice

Down

- 1 (4) Energy field
- 2 (4) One man sleigh
- 3 (5) Cut
- 4 (4) Network point
- 5 (4) Power group
- 10 (5) Uncontrolled contraction
- 12 (5) Heading
- 13 (3) Emerged victorious
- 14 (3) Condensation
- 18 (5) Watering hole
- 20 (4) Gumbo ingredient
- 21 (4) Canned meat
- 22 (4) Pile
- 23 (4) Medieval guitar

Cryptic Solutions



Normal Solutions