

The MIT Mystery Hunt

“A Degree in Enigmatology”

Friday, January 16, 1998

We, the faculty of the MIT Enigmatology department (Course 19), would like to welcome you to your first year of study in the department. We hope you will find this the most rewarding, the most fulfilling, the most enjoyable, and, above all, the **fastest** four years of study you have ever experienced.

Within this packet you will find the following:

- This welcome letter
- Your freshman year schedule
- Your first set of “courses” (puzzles)
- Your Junior Project research topic

Your goal in this year’s hunt is to become the first group of MIT students (even if you’re not technically an MIT student, you are this weekend) ever to receive an official honorary degree in Enigmatology.

Here are the departmental requirements:

You will be taking four “years” worth of courses. The freshman year begins now. Luckily for you, since this is MIT, all Freshman year classes are given on a Pass/NR (“no record”) basis, so you can’t flunk out just yet. You must complete each year by getting its final one-word answer. Even if you have not completed a year or years, you may still receive the courses for following years at these times:

- Sophomore year: 12:01 AM Saturday
- Junior year: 12:01 PM Saturday
- Senior year: 12:01 AM Sunday

In order to proceed to a new year ahead of the above schedule, you must present your answer to the Faculty and defend it by means of an oral examination.

Upon completion of all degree requirements, you will be presented with an official honorary diploma in Enigmatology, which, when seal is affixed, will designate conferral of the degree.

In addition to this, there are a few special events planned:

The Spring Break Party will be held at 11:00 PM this evening (Friday, duh) in the mezzanine room of the Student Center. This party is pot luck, so everyone who comes must bring a food item. Each team should coordinate things so that its members bring items from the four major food groups: nonalcoholic drinks, desserts, chips and dips, and fruit. You are all encouraged to attend, meet your classmates, and relax a bit. There will be no puzzle-related information at the party, so just come and enjoy yourselves!

A special mandatory lecture in Enigmatology will be held at 1:00 PM on Saturday in room 6-120. The guest lecturer will be John Chaneski, a freelance puzzle constructor, renowned Enigmatologist, and, for reasons which are not likely to be clear at this moment, Chainsaw.

A wrap-up explanation, anecdote and post-mortem session will be held after the hunt. If the hunt is finished, we will hold the meeting at 1:00 PM Sunday, otherwise, check our WWW site for further information.

The Junior Project:

In this packet, you will find an index card bearing a single word: Your Junior Project assignment. Your project is to construct a puzzle which will be used during the junior year of the hunt. The word you have been given is the ANSWER to the puzzle you will write. **DO NOT SHOW THIS WORD TO ANYONE NOT ON YOUR TEAM!**

Puzzles should be written neatly, preferably but not necessarily word-processed, and in Xerox-ready form. Include a full solution with your puzzle. In addition, please provide a trio of successively more significant hints that can be used with your puzzle. Puzzles must be turned in to us by 10:30 PM tonight. Lateness will not be tolerated.

In creating your puzzle, please adhere to the following guidelines: Your puzzle should fit on a single 8.5" x 11" piece of paper. If it does not, your team is responsible for providing sufficient copies of your puzzle for all teams involved in the Hunt. (For example, if you wish us to put the puzzle up on a WWW page, that's fine—just give us a disk with all necessary files on it, or e-mail us with the HTML code.) Please follow our format with an appropriate course number, title, and professor(s). Puzzles should be of intermediate to advanced difficulty, but should not be based on ultra-specific or obscure knowledge from one field of study (i.e. your (non-Enigmatology) major.) Remember, the most important thing about puzzles is that they are fun. You do not need to provide directions with your puzzle—sometimes finding the directions is the puzzle itself—but directions must be included with the solution.

During the junior year, you will receive a copy of all the puzzles created by all the teams. Once you have solved at least 75% of the puzzles, and at least one team has solved your puzzle, you will have successfully completed the project, and will receive important information that will allow you to decode the answers to the junior year puzzles and get the junior year answer.

Once you have completed the junior project, you must rank the other teams' puzzles in order of preference, giving a 1 to your favorite puzzle, a 2 to your next favorite, and so on. The results of these rankings will determine when teams (including your team, of course) will receive an important hint during the senior year. Thus, it behooves you to write a puzzle which the other teams will enjoy as much as possible.

The Faculty of the Enigmatology department reserves the right to edit the submissions as much as we feel necessary before publication, but don't count on it.

How to Contact the Faculty

Office: 2-136 until 5 PM Friday, 5-133 afterwards

Daytime phone: 258-0279 after 5 PM Friday

Nighttime phone: 258-0279

E-mail: puzzle@mit.edu

Office Hours: pretty much all the time, except for during the Spring Break party and the Special Lecture.

A good way to contact us is to come up and knock on our door...then, we have to deal with you. Otherwise, the telephone is probably best. E-mail may not be answered right away. If you have a fax machine, good for you.

You will want to have Web access. For one thing, you should be checking the web site web.mit.edu/puzzle regularly, since that's where we plan to post corrections, hints, and other important information. For another thing... well, let's just say that you *definitely* want to have Web access throughout the Hunt.

One member from each team should send an e-mail message with the word "subscribe" in the message body (not the header) to puzzle-announce-request@ctp.mit.edu. This will add you to the mailing list that we may use to make important announcements, such as what to do if our web site has crashed.

Faculty members:

Eric Albert
Deborah Levinson
Rose White
Stephen Gildea
John Chaneski

Scott Weiss
Ken Olum
Silvain
David Resnick

Thomas Weisswange
Jean-Joseph Côté
Valerie White
Linda Resnick

Associate Fellows:

Andrew Lundberg
Lidia Mangu

Jim Williams
Richard Wicentowski

Beth Leonard
Linda Woolf

Professor Emeritus:

Will Shortz

Freshman Survival Guide

Never been to a Hunt before? Here are a few tips and guidelines you might find handy:

The purpose of the MIT Mystery Hunt, first and foremost, is to have fun. Do not do anything which would cause you or your fellow classmates to stop having fun. That is:

- Do not hack a puzzle. This basically means no cheating. You should not try to steal the answer, either from us, from a password-protected account, or from other teams.
- Do not make a puzzle unsolvable for other teams. If we find a puzzle has become impossible due to some act of vandalism, we will release the answer to everyone. Thus, it hurts you (who actually solved the puzzle) and helps the other teams.

If at any time, you find yourself not having fun, stop whatever it is you're doing, call us, and we'll see what we can do. The only prize for winning (other than having to run this behemoth next year, if you can call that a prize) is the satisfaction of the hunt, so don't deprive other teams of that satisfaction.

As a related note: if you find an error or inaccuracy in a puzzle, please let us know about it immediately. Do not keep this information secret. Remember that you would, of course, want to know about any errors as quickly as possible.

Answer confirmation is available, by phone or e-mail. We will happily confirm the final answer to any course (puzzle), but will not be happy to confirm partial answers. Also, if you call us too often with incorrect guesses, you will go on academic probation (we will stop answering your phone calls.)

Our hint policy: we have a hint policy. Call us if you desperately need a hint, but don't call us right after you got the puzzle, or we will mock you.

Every puzzle (with a few exceptions) can be solved and the coin may be retrieved at any time during the day or night. If you are about to retrieve the coin, please let a Faculty member know, so we can follow you and take pictures or heckle you, as the case may be. The Faculty of the Enigmatology department prides itself on its deviousness and trickery (our Tenure process is a bitch.) There may be information hidden anywhere, at any time.

Keep your eyes open—any piece of data you find may be useful. Or it may be nothing. That's for us to know and for you to figure out. Pbbpbt!

Note: There will be NO information available at the Spring Break party. We will not answer questions, provide hints, or discuss past, present, or future courses. And there are NO hints hidden by anyone anywhere in the room, especially not in the punch bowl. Keep your septic little hands out of the punch bowl. We're drinking this stuff! Where were you raised, in a barn?

The wrap-up meeting is one of the most enjoyable parts of the hunt. Even if you didn't finish, or if you dropped out early, you should come and join us for the fun.

Freshman Year Schedule of Classes

(All classes meet Monday, Wednesday, and Friday)

8:00-8:50	24.68	Following Directions
9:00-9:50	19.4	Tetraphilia
10:00-11:00	Lunch	
11:00-11:50	19.7	Cryptography
12:00-12:50	14.12345 / MAS.678910	Material Acquisition
1:00-1:50	19.5	Cryptic Cruciverbalism
2:00-2:50	12H.1	Historical Figures
4:00-4:30	Tea	
4:30-5:20	14.321	Pyramid Schemes
5:30-6:20	24.24	Cgntv Lngstcs
6:30-7:20	19.39	Name Recognition
7:30-8:20	7.51897	Rhodography

24.68 — Following Directions

Prof. Scott Weiss

The ability to follow instructions correctly is vital in all walks of life.

To pass this course, simply follow the instructions available in the oral exam at:
`web.mit.edu/puzzle/directions.aiff`

In the event of an Internet catastrophe, a copy of this exam can be picked up at the Enigmatology office.

24.68 -- Following Directions

In this puzzle, we'll be testing your ability to follow directions. First, let me introduce four friends of mine. For now, everything they say is true, so be sure to listen to them.

Hi, I'm Lydia. When the puzzle begins, do what I tell you only if I give you an even numbered instruction.

Hello, I'm Beth. Once we get started, do what I tell you only if I read an odd numbered instruction.

Greetings, my name is Andrew. Only follow my instructions if you just performed the previous instruction.

And last, but not least, I'm Rich. You should only follow one of my instructions if you did not follow the previous instruction.

You will now hear a series of instructions. Each consists of a number, followed by a command. When deciding whether or not to perform an instruction, follow the rules you were just told. Ready? Begin.

- (Lydia) 0. Write the phrase "Change of Pace" on a piece of paper.
- (Rich) 1. Delete the "f".
- (Rich) 2. Move the second letter to the position fourth from the end.
- (Andrew) 3. Put a "u" between the third and fourth letters.
- (Rich) 4. Change the "g" to an "o".
- (Beth) 5. Double the fourth consonant.
- (Andrew) 6. Shift the second consonant two back in the alphabet, so "d" would go to "b", for example.
- (Lydia) 7. Reverse the middle three letters.
- (Lydia) 8. Swap the first two vowels.
- (Andrew) 9. Swap the second consonant with the second consonant from the end.
- (Beth) 10. Remove the "h".
- (Andrew) 11. Put the "l" before the second "e".
- (Lydia) 12. Change the third consonant to an "m".
- (Rich) 13. Delete every fourth letter starting with the second.
- (Beth) 14. Duplicate any substring that is the name of a playing card.
- (Beth) 15. Change the "h" to a "t".
- (Rich) 16. Swap the fifth consonant with the second vowel.
- (Andrew) 17. Remove the middle two letters.
- (Beth) 18. Place a "b" after the "c".
- (Lydia) 19. Swap the first and last letters.
- (Rich) 20. Drop the first "a".
- (Andrew) 21. Swap the fourth and fifth letters.

You can stop now.

14.12345 / MAS.678910 — Material Acquisition

Profs. Eric Albert, Rose White, and Deborah A. Levinson

All Enigmatologists are fascinated by rare, arcane, obsolete, or just plain amusing objects. Plus, they like making people do goofy things. So that you can best appreciate the wide world around us, your group will participate in a scavenger hunt.

There are two separate categories in this hunt: photographs and objects. There are fifty things altogether; you must bring the Faculty thirty of them. At least ten of these must be photographs, and at least ten must be objects. Extra photographs and objects will be enjoyed, but they will not help your team in the slightest. For photographs or objects involving team members, the appropriate team members must be present when delivering the items. Please bring us all items at one time. Photographs (except for one) will be retained by the Faculty; objects (except for two) will be returned. Creativity is welcome (and, frankly, necessary).

Photographs:

- a team member at least fifteen feet up a tree
- a team member dressed as Waldo from *Where's Waldo?*
- a team member at any T station on the Orange Line, with the station name visible
- a team member sitting in a booth at Mary Chung's restaurant in Central Square
- a team member at an MIT location where it is illegal (by MIT rules) for them to be
- a team member blowing a bubble-gum bubble that is at least two and a half inches in diameter
- a team member nude (*this photograph will be returned if you wish*)
- a team member juggling, with at least five items in the air
- a team member pushing a cash register button at The Coop
- a team member completely underneath a car
- a team member in midair, at least five feet up
- a team member at any of the locations represented by the photographs on page 10 or 11 of the Calendar section of the Boston Globe of October 30, 1997
- a team member lying on the Smoot bridge with a integral Smoot measurement visible
- a team member with an unauthorized animal in an MIT dorm room
- a team member soaking wet
- three or more team members playing Twister
- five team members wearing shirts or sweatshirts from five different colleges or universities
- an MIT computer cluster with at least ten women visible in it
- a uniformed pizza delivery professional handing a pizza to a team member; the pizza may still be in its box
- any part of any MIT building that clearly looks like the capital letter "P"
- any building with a street number of 666; the street number must be visible
- the entire length of the Infinite Corridor, devoid of people
- four vehicles, each with a visible license plate, each plate from a different state (or country), all in one photograph
- a photograph of a photograph of a photograph of something
- a team member on another team taking any of these photographs

Objects:

- a business card from someone whose name is peculiarly appropriate for their profession (for example, a veterinarian named Katz, or a lawyer named Harang)
- an origami model of any animal that begins with a "p"
- an important document on which a team member's name is misspelled
- an unusual Christmas ornament
- a physical object a team member was given before they were five years old
- a lit tungsten-filament light bulb of a color other than white or clear
- a box of an unusual flavor of pocky
- a valid canceled check for more than \$10,000 (if it's made out to the organizers it doesn't have to be canceled)
- a magazine or newspaper article about a team member that includes a picture of the member
- a movie ad showing at least three faces, with a name above each face, where each name correctly identifies the actor or actress below it
- at least six reasonable-sized servings of a homemade (dormmade counts) food dish that has at least four major ingredients and is both tasty and (relatively) healthy; bring the recipe also (*the food and recipe will not be returned*)
- a tenured MIT professor
- a letter written to a team member in which the letter's writer ends a romantic relationship with the team member
- an object purchased at least five years ago along with the dated receipt that explicitly identifies the purchased object
- a set of objects with words on their outsides such that there exists a (sub)set of these words (only full words are allowed) where the subset contains each letter of the alphabet exactly once
- an object scented with patchouli
- a commercial sex toy
- a rhyming poem of at least ten lines that describes the process of getting a degree in Enigmatology (*the poem will not be returned*)
- a set of five blocks whose outside faces read "brits right -wing party"
- a *Star Trek* doll
- a bottle of beer from a country that no longer exists
- an object worth at least ten times more now than when it was new
- a set of at least 15 items from a team member's serious collection (for example: fortune cookie fortunes, or coins from previous Mystery Hunts); all collection items must be different
- a restaurant menu (not a take-out menu) that contains a typo
- a piece of knitting, crocheting, or needlepoint that displays the year "1998"

19.4 - Tetrophilia

Prof. Scott Weiss

After solving this puzzle, you'll have seen a lot of four-letter words (and maybe used a few yourself!). Each of the twenty-four clues below leads to a four-letter word. Your job is to match them up with the twelve letter pairs. In one clue's answer, you can replace the first letter in a pair with the second letter, and (possibly) rearrange all four to get the solution to another clue.

For example, the first letter pair is E S. Suppose two clues on the list were "Kilmer's occupation" and "Beats". The answer to the first would be POET. Change the E to an S, and anagram to get the word TOPS which answers the second clue.

After you've solved all of the clues, take the three letters common to each pair, and write them in order as implied by the letter-pairs. (Following our example, the first three-letter group would be POT or OPT or TPO or TOP, etc.)

You can take one letter from each group to spell out a clue to another four-letter word. In fact, you can build three clues in this way, each using a different letter of the group. (As a minor hint, each clue is a three-word phrase.) Solve these last clues, and then put the answer coming alphabetically first between the second and third answers alphabetically to get the final solution.

- 1 E S
- 2 B N
- 3 A K
- 4 A E
- 5 N R
- 6 K Y
- 7 L N
- 8 P W
- 9 A U
- 10 L O
- 11 D I
- 12 B L

CLUES

A Nobelist's target
Character appearing twice
on TNG, once on DS9
Competitions, of a sort
Dalai Lama supporter
Disintegrating suffix
Earn a Merit Badge
Eat
Fictional Boulder resident

Hawaiian port
Incur a phone charge
Indian currency
Indians' home
Like Susan?
Perry's award
Play the hero, perhaps
Sew up
Short

Skinny
Some nematodes
Take (off)
Type of therapy
Victor, e.g.
Wealthy person
With "the", one of the
oceans?

19.39 — Name Recognition

Prof. Scott Weiss

Pop culture knowledge is an important part of the repertoire of any Enigmatologist. We'd like you to identify some famous names for this course. Instead of giving you a part of a name directly, we've given you the boldface entry in Webster's Tenth Collegiate Dictionary that would either precede or follow it if it were listed in the main section of the dictionary. And, instead of giving each person's transformed full name together, we've scrambled up all the resulting words. It's up to you to match them all up. As an aid to solving, we've provided categories for each full name. When you're done, your answer is what's left over.

American author
Bandleader
Basketball player
Comedienne
Enigmatology faculty member
Film actor
Game show host
Kids' TV figure
Musical man

News reporter
Play character
Queen
Revolutionary War notable
Singer
Tennis star
TV actress
U.S. President

ABEAM
ALBEIT
ALEWIFE
ANDANTINO
ANT LION
AROID
BARROW BOY
BEECHNUT
BRANDY
ERGOTIZED
FELL
FRECKLE
GILLIE
GRAECO
HARROW
HEP
HOW
JAB

KARAYA GUM
MANIOC
MARIGOLD
MARSE
PATRIARCHY
PAUL BUNYAN
POUR
ROGUE
SCIATIC
SONDE
STEGOSAUR
STEP-IN
STP
TAG
TREATY PORT
UNGIRD
WILLFUL

14.321-- Pyramid Schemes

Prof. Scott Weiss

Enigmatologists have a special fascination with game shows. In this puzzle, we pay homage to one of our favorites: The \$100,000 Pyramid. In order to get through this course, you'll have to successfully complete the bonus round of that game. As a reminder, this involves two team members. One team member is given a category, and must give a list of things in that category to his/her partner. The other must name the category. Naming things not in the category, or using a word in the category name is an automatic loss of the round. The pair must complete six categories within 60 seconds. If they can't, they'll have to start over with a new set.

To help, we've provided you with all 42 possible categories, listed in seven possible games. They are in the order that they may appear in the game. (We have a set of first categories, second categories, etc.) In the second category in each set, the full category is "Things ___ Might Say". The sixth category (at the top of the pyramid) is of the form "Things that are ___". For simplicity, we've eliminated these extraneous words below. For complexity, we've given you the categories in seven grids. You'll have to spell out the names by moving from letter to letter horizontally or vertically, but never diagonally. You can reuse a letter in a category name, but you'll never stand on a letter. We've marked the first letters, as well as given you enumerations for each grid. All letters will be used when you're done (some by more than one category name). (Equal signs are actually hyphens.)

When you feel you're ready, have two team members drop by the Faculty office, and we'll let you play the round. Good luck! Make Dick Clark proud!

S----- M-----
 C----- M-----
 A-----
 M---- M-----
 S----- L-----
 S-----

O Y A S E D I N
 R E M **S** I **S** U I
 S N U E M S L T C
 H I U S P N Y R **A**
 T A **M** E S O R **S**
 N Y **C** C N E I C
 F A D D

D----- S-----
 L--- W-----
 B----- O- V-----
 T----- D-----
 M---=D--- C-----
 Q-----

D E
 O F V I O
 S D N A T A
M O **B** R S P E T **Q**
 E S D Y O T E A S U
 T R I C K C E D N I E
 T E T P A H R I A W S
 I H S A W **T** A R Z Z C
 N G S H S I **L** I N E
D T

S----- T- S----
A-- L-----
P---- O- A C----- G--
E----- N-----
L--- L---- O- S-----
A-----

S W
E N N O H S V T D
S T O C S N O M I E
D T **P** A F O C S C T
E O N R T S **E** N O A
L D G I N **A** S I B C
G N **A** L F **L** T L E I
S Y N D

S----- P-----
G----- T-----
C----- E----- P-----
D- C----- I-----
X=----- E----- T-----
F-----

O W P R H T S R
S O **C** E E N H S E K
M D C R P A R U W N
R I C O I T L B P O I
E **F** E **S** E **G** U Y R C S
D **X** N C O U N T E I M
I F E P I S **D** C C O
L E S E D O
T I T

C-----
S---- L-----
C---- P-----
A-----
E----- H-----
F-----

R H E A D S **A**
R E S A R L I R Z E
I S S L H A N E S R
U N A A P M I D A B
Q N L I H C V J I
E F S A T O A
L A **C** P R N
B L E S I

R--- N-----
K--- S-----
G---- A----- R----
C--- O- R---
E--- T----- R----
C-----

G N T U R T R
R E V S E D E A
S E A D S R I **C** H
E A T M B **E** M M
L L N U O T **C** A
O R E R F S A T
K N O S P M O H
U R T S C H K E

T----- I- T--- R---
B----- C-----
P----- T- B-- U-----
M-- A-----
S---- P-----
I-----

P L A C E
S P R I G I **S** B U Y
T A A C A **T** O O U
S P E R S D H R M M
I **B** E L I N I S A B
G O E L S G H **M** L R
L O B **I** N T I L E
P O G N A T
R H T

6
7.51897 – Rhodography
Prof. J-J Côté



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DU MAY



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19.7 Cryptography

Dr. Ken Olum

WFBXHZOMWXF, WFBXHZOAAV + MHV MX AXNOMG XH LWINXEGH.
1 3

FZK QSFJQM PQSP KB AMPO + FDPBKFO HJQG ESPBKBC TKSH.
3 2 1

TMZG TC COD M JPKAFBFMBL + KYL TMBZAS QW SC XED QYL.
1 2 3 3

VLLVDUQS VX GVOP + IJJASBUIQVVK XVA INQVEIQVK VA IKPAVUP.
3 1

12H.1 — Historical Figures

Prof. Scott Weiss

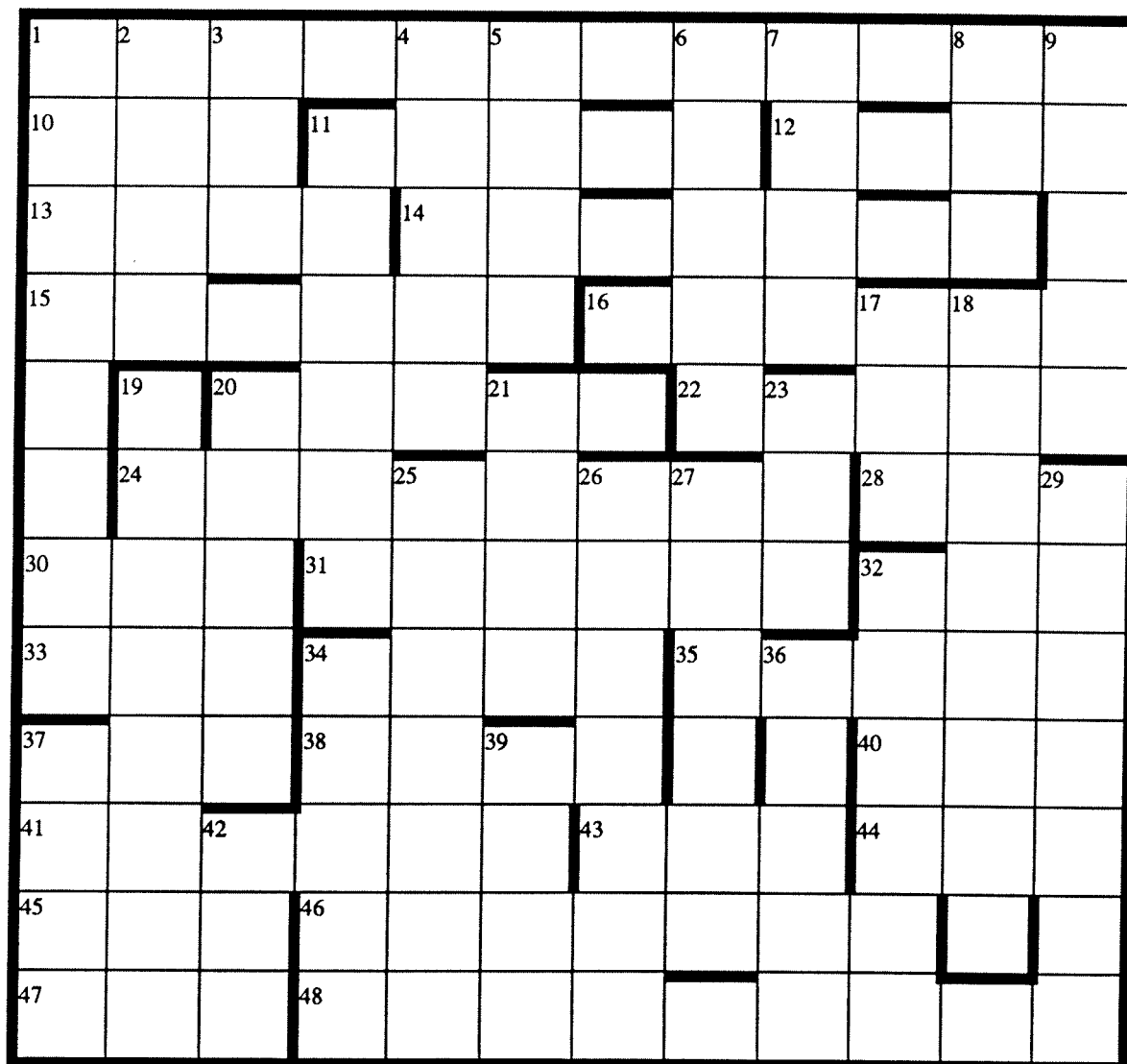
Alternative to charge (4,C) * He's all brawn and no brain (4,J) * Come to understand (5,L)
Angel's headgear (4,H) * Can't start a fire without one (5,S)
Antagonistic (7,H) * Breeze or gust (4,W)
Army food (4,M) * Cab driver's hat, according to Letterman? (6,T)
Baywatch cast member (9,L) * Musical performance (7,R)
Become a member (4,J) * Eye hair (4,L) * Area (4,Z)
Blotched animal (6,C) * Sperm's destination (3,E) * Used a horse (4,R)
Criminal's other name (5,A) * Film where Dennis Quaid catches his murderer (3,D) * "I am", to
Descartes (3,S)
Curly hairdo (4,A) * You, for Hunt purposes (8,F) * Kin of *Ebony* (3, J)
External deer bones (7,A) * Weep (3,C) * Ms. Dunn, who played Pat Stevens (4,N)
Fast car (6,H) * Show on cable (8,T)
Fine's partner? (5,D) * Cindy Crawford facial feature (4,M) * Home for corn or an ICBM (4,S)
Frighten (5,A) * Cheese or potato accessory (6,G) * Yo-yo or Slinky (3,T)
Game show where you start out in the hole (4,D) * Days in a Flood (5,F)
Ginger ____ (3,A) * It can be hung or grand (4,J) * Torched (3,L)
Humbug preceder (3,B) * Protected place (5,H) * Goldberg's cover, in two films (3,N) * Kurosawa's *King
Lear* remake (3,R)
Inclination (4,B) * Huge party (4,G) * Florence, for the Jeffersons (4,M)
KCN (7,C) * Coconut juice (4,M)
Lasting forever (7,E) * Throw violently (4,H)
Leopard relative (6,J) * Laundry fuzz (4,L)
Like *Timecop* or *The Visitor* (9,C) * Feudal slave (4,S) * The Mystery Machine, for one (3,V)
McDonald's or Burger King (5,C) * Type of child (4,O) * Jadzia Dax's species, on *Star Trek* (5,T)
Mr. Bing, to his *Friends* (8,C) * From distant lands (7,F)
Mythological piper (3,P) * Poison (5,T)
Oak start (5,A) * Novelty music label (5,R) * Type of killer (6,S)
Opt out (7,D) * 1997 sitcom with George Hamilton (5,J) * Popular computer shoot-em-up (5,Q)
Part of a makeshift telephone (3,C) * Anger (3,I) * Military vehicle (4,J)
Point (at) (3,A) * Fictional spooky Indiana town (5,E) * Barnum and his ilk (7,S)
Pool stick (3,C) * It's for horses (3,H) * Mr. Stallone, informally (3,S)
Prefix for deck or gram (4,H) * French work (5,O)
Queue (4,L) * Puffed up, as a busted body part (7,S)
Scam (3,C) * Grain-to-flour machine (4,M) * Long drawn-out tale (4,Y)
Seedy bread (3,R) * Excite pleasurable (9,T)
Send to Europe, perhaps (7,A) * Liver product (4,B) * Whip (4,F)
She was a Darling dog (4,N) * 1997 Fox fantasy series (4,R) * Knee-ankle connector (4,S)
Small circus performer (4,F) * Deci- (5,T)
Smoke or mist, for example (7,A) * *Great Expectations* or *The Rainmaker*, for example (5,N) * Elm or
cedar, for example (4,T)
Take home, as pay (4,E) * Bend the truth (3,L) * WGBH kids' show of old (4,Z)
The good plates (5,C) * Karate relative (4,J) * Place for a perm (5,S)
What a lawyer must pass, with "the" (3,B) * Airline's central routing point (3,H) * Native-born Israeli (5,S)
Wheel of Fortune's inspiration (7,H) * Star of *Three Amigos* and *Three Fugitives* (5,S) * "Hold up!" (4,W)

19.5 — Cryptic Cruciverbalism

Profs. Jean-Joseph Coté and Scott Weiss

Cryptic crosswords are one of the greatest advances in Enigmatology since the pencil eraser. A mastery of them is key to being an expert Enigmatologist. For those as yet unfamiliar with them, we recommend visiting:

www2.TheAtlantic.com/atlantic/atlweb/wordgame/cluesolv.htm



19.5 — Cryptic Cruciverbalism

Profs. Jean-Joseph Coté and Scott Weiss

ACROSS

1. THE
10. Color seen, heard (3)
11. Ad for Ms. Gaffney (5)
12. Take in chopped-up pear (4)
13. Electrical engineer takes gym class' sword (4)
14. CLUE
15. Spoken part in Provo ice demonstration (6)
16. Famous agent, in other words, is monster (6)
20. Bond's boss twisted lady in an angry way (5)
22. Movie aunt enthralled by the essay (5)
24. Vain Moor ransacked capital (8)
28. Wild summit cut short (3)
30. Network up north (3)
31. Repairing building section after scene ends (6)
32. Fix fight (3)
33. Role for Bergman as topless tennis star (3)
34. Hook's helper seems backwards without head (4)
35. Knock out, in the manner of an airline mascot? (5)
37. Chatter about salary (3)
38. ANSWER
40. Change mind after losing poor game (3)
41. Vocal about eastern summerhouse (6)
43. Pester horse (3)
44. Nucleoside at planet's beginning (3)
45. Children's book character heard regret (3)
46. To hit Mr. Quayle takes a month (7)
47. Acronym for eerie seer's power! (3)
48. THIS

DOWN

1. FINAL
2. Take back job for nothing after each returns (4)
3. Jon Arbuckle's dog loses one poem (3)
4. Packing dream re-interpreted (5)
5. A
6. No, ten roused 9 (5)
7. Sir, I went up for flower (4)
8. Touch label (3)
9. Peacocks preening about carousal (5)
11. Jails holding California nuts (6)
17. Escort heard ocean (3)
18. Rude fiend tortured Eliot (8)
19. Shampoo lathered about Lila's front, center (8)
20. One in my dough (5)
21. Actor Rob sounds depressed (4)
23. British bog witch (3)
25. Williams-Kilmer-ectomy? (7)
26. TO
27. Desk accessory in King home (6)
29. IS
32. Fruit ban on an Argentine (initially) (6)
34. Twirl ropes to get plant product, perhaps (5)
36. Periodical instrument (5)
37. Trim couple, so we heard (4)
39. Truck limes up, losing fifty (4)
42. Steal policeman (3)

24.24 — Cgntv Lngstcs

Dr. Dvd nd Lnd Rsnck

Vwls r th gl tht hlds r lngg tghr. n ths crs, y wll bgn t pprct thr mprtnc. Lstd blw r lvn grps f rlt'd wrds r phrss, frm whch th vwls nd spcs hv bn xcsd. Yr tsk s t dntf th wrds nd rplc th vwls. T mk thngs ntrstng, thr s n xtrns ltr smwhr n ch lst. Ths lvn ltrrs tkn n rdr wll gv ctgr nd mmbr f tht ctgr. Yr fnl nswr s th ctgr mmbr. t s gd thng w'v tkn pt n y. W cld hv gvn n xm n th mprtnc f cnsnts!

nppldkpsthdctrw
 pnnsvdspnrrnd
 sttchntmsvsnn
 lkbfrlyp
 pnnwspndflsh
 hwhfhsttsslst
 lvndltlv
 nncfprvntnswrthpndfcr

rs
 rs
 ppmp
 dhl
 lntn
 cllll
 ds
 frs
 rchd

mlts
 chhh
 tpdll
 bsgl
 trrr
 dlmtn
 lhspss
 cll
 fghn

hppds
 ndttm
 sp
 lvlc
 thddcppl
 llnthfml

pcnp
 fln
 ccrm
 pprlp
 mss
 trms
 prft
 bkdisk

gnmd
 rp
 s
 tths
 rh
 hprn
 brn
 rl
 trtn

d
 lh
 gdb
 rvr
 ds
 nc
 fwdrshn

hw
 m
 ln
 mlk
 h
 nh
 kn

sg
 thm
 ns
 slt
 blnf
 cmn
 clvs

mnplncknlpnm
 blwsrswlb

lnn
 sprgn
 glcn
 slcni
 lsn
 srn
 vln
 cstn

Extracurricular Activity -- Skeet Shooting Club

Faculty advisor: Scott Weiss

To relieve the stress of the freshman year, you've decided to take up skeet shooting. The words below are your targets. The questions below them eliminate twenty of the words. The remaining four will give a helpful hint for the "required" freshman year puzzles. Oh, one more thing...nah, you'll figure it out yourself.

BRAVE
CHILL
COLLAGE
COMMITTED
CONCERT
DEPORTING
DO
EVALUATE
HEARD
LESTER
MOUSE
MUDDY

PLANES
PLATING
PRANCE
PRAY
PUNT
ROBIN
RODE
SALOON
SLAKE
SPLITTER
TRACE
WORDY

Which word:

- anagrams to the name of a planet?
- appears elsewhere in these questions?
- becomes a new word when you remove both T's?
- becomes its own synonym if you drop its first and fifth letters?
- becomes the name of a fish if you swap the letters on its ends?
- changes gender by having SS added to the end?
- contains three pairs of double letters?
- forms new words upon removing its first, second, or both first and second letters?
- has been a name in the news of late? *-Not a human being*
- has the same cryptographic pattern as FLOODED?
- is a first name of a famous director with the same cryptographic pattern as the director's last name?
- is also the name of a fictional rat?
- is a name sounding like a famous film monster?
- is Pig Latin for a name meaning "king"?
- is pluralized by adding three letters?
- is the name of a cable channel?
- is transformed to a new word when its first letter is changed to a D and moved to the end?
- sounds like a word meaning "gospel" when pronounced with a lisp?
- spells a word meaning "jelly" if its last letter is moved to the front?
- uses all the letters that appear in the last seven words of a popular Christmas song?

FRESHMAN YEAR POP QUIZ

1. Q: When Kelly grew up, she pronounced enhancement as what? (sic)
A: Ansmet
2. Q: When did Jeff break his index finger?
A: June '92
3. Q: What does Tim always shout at the end of "Das Boot"?
A: "Man overboard"
4. Q: What is the maiden name of Richie, Dolores and June's mother?
A: Califida(?)
5. Q: What is Jack's favorite field in math?
A: Vector algebra
6. Q: What did Tommy's parents bring back from their trip to Budapest?
A: Paprika
7. Q: Of what film character does Randy do great impressions?
A: Karl Childers
8. Q: What two things does Mary use in her laundry?
A: Wisk and Bounce
9. Q: What kind of Etch-a-sketch does Sara have?
A: Keychain
10. Q: When William was five, which President did he meet at the
Easter egg roll?
A: Jimmy Carter
11. Q: Just like always, at what event did Steve arrive late last September?
A: His driver's test
12. Q: What breakfast food does Steve always put Worcestershire sauce on?
A: Scrambled eggs
13. Q: For what holiday sermon did Bishop Witherspoon quote from
Ecclesiastes?
A: Feast of the Immaculate Conception
14. Q: Where did Laverne earn her doctorate in Economics?
A: Stanford
15. Q: What is Bob's least favorite computer game?
A: Ogre
16. Q: How many times did Shelley see "The Vita-Meta-Vega-Min"?
A: 40
17. Q: For Halloween, who did Walter dress up as?
A: Spiderman
18. Q: Ralph's winter cabin is 25 miles north of what city?
A: Albuquerque
19. Q: What are the two colors of Sally's truck?
A: Purple and white
20. Q: What is the name of Kim's pet dingo?
A: Foozball
21. Q: Of all actors in Anchor's Away, who was Mike's favorite?
A: Frank Sinatra
22. Q: According to Fred, how much would the 1st edition of Grey's Anatomy
go for?
A: \$10,000

Sophomore Year

Welcome to your second year of study in the Enigmatology program.

We trust you'll be able to appropriately schedule your own courses at this point.

Note that the final solution to each puzzle during this year is a single word.

9.ZZZ -- Abstract Dream Analysis

Prof. Thomas Weisswange

<p>THAT'S •</p>	<p>→EDUCATION EDUCATION</p>	<p>FIDO↔MONDAY REX↔TUESDAY ROVER↔WEDNESDAY LASSIE↔THURSDAY SANDY↔FRIDAY ASTA↔SATURDAY BUDDY↔SUNDAY</p>
<p>CNAPE DALMNO WECHSA</p>	<p>MATHER ↓ MATHER</p>	<p>TELE MORNING</p>
<p>M<small>ore</small>RE S<small>ome</small>ME LOT ←</p>	<p>MYBACKDAY</p>	<p>CAKE</p>
<p>pig pig pig</p>	<p>SYCAMORE YCAMOR CAMO AM</p>	<p><u># in stock</u> Europe 16 Asia 22 Africa 0 ← Australia 7</p>
<p>N O T H I N G LULU</p>	<p>Wacky</p>	<p>Wordies</p>

19.2352 — Web Word Puzzles

Profs. Scott Weiss and Deborah A. Levinson

The World Wide Web is filled with lots of puzzles. There's even one at:

<http://web.mit.edu/>

24.7 — Voice Recognition

Prof. Eric Albert

Even something as innocent as a voice recognition system can be turned into a puzzle by a creative Enigmatologist. We spoke each of a bunch of words that belong to the same set (though they don't comprise the whole set) into our voice-input system. Each line below contains the four *alternatives* (none is a correct word itself) that the system came up with for each word we spoke.

To pass this course, figure out the single word that describes each and every element of the set.

did, bed, head, it

flat, lack, lap, Latin

trauma, job, chalk, drama

nor, more, Mark, your

mentoring, meditating, nutrient, mainframe

faulted, vaulted, phobic, bulk

sarcasm, sarcastic, surpass, sergeants

asking, casting, caffeine, napkin

jibe, Hannah, chat, shined

quarrel, oral, call, full

8.137 — Physics and Information Theory of the Vacuum

Dr. Ken Olum

Lectures: None, as key material is all available in the text.

Laboratories: None

Recommended Text: Vacuum-bounded states and the entropy of black-hole evaporation, by Ken D. Olum. On reserve in the Enigmatology Faculty office.

Final Exam:

Find the 5-letter word given by the text. Apply the transformation shown below:

$$\overline{a} \ \overline{b} \ \overline{c} \ \overline{d} \ \overline{e} \qquad \Rightarrow \qquad \overline{a} \quad \overline{c-d+e} \quad \overline{b+d+e-4}$$

Notes on Text:

1. Please use only a properly case-bound text as prepared by the publisher. Bootleg copies are not permitted.
2. The last, blank page of the text was not labeled “this page intentionally left blank” causing it to be omitted by the publisher. No partial credit will be given for the other possible answer to the final exam.
3. Since people will be chomping at the bit to view the text, groups will only be allowed to look at a copy for a ten-minute interval. Use your time wisely.
4. Keep reading and meticulously reviewing everything that appears within.

6.666 — Arcane Programs
Prof. Jean-Joseph Coté

**Sometimes deciphering a program can be quite
a puzzle. Try the one at:**

`web.mit.edu/puzzle/mystery.txtcom`

6.666 Arcane Programs

```
"%c%c%c\n", __o_o, o__o_,
#define _o_o_ if
#define o_o_o else
#define oo__ printf
#include <stdio.h>
*2<(o__o_-__o_o)
+ __o_o; o__o_ = o_o__ +
1; o__o_ = o__o_ + __o_o - 11;
__o_o * 3; o_o__ = __o_o
__o_o = 24; __o_o =
__o_o ((o__o_o-o__o_o))
int _o_o_, __o_o;
int main (void)
int o_o__, o__o_, o__o;
o__o); return 0;
o__o, __o_o); o_o_o oo__(
oo__("%c%c%c\n", _o_o_,
{
}
```

24.967 – Comparative Linguistics
Prof. Rose White

इति लक्ष्म शमी मारयकः अस्ति

blQDepHom Doq jiH

Oto jest mafa czerwona ryba.

第四个字听起来象一种
日本饮料。

Ceci est un harang rouge.

Este é un pequeno peixe vermelho.

Dit is een kleine rode haaring.

Cio é una arringa rossa.

این کبک ماهی قرمز است.

Hier ist einer roter Hering.

TOUTO EINAI ENA MIKPO KOKKINO ΨΑΡΙ

Uhu yuyupshir yuyupshir sru d 5: Ini ialah seekor ikan merah.

Это красная селёдка.

इस शब्द के पहिले तीन अक्षर
फ्रेंच में रस होने हैं।

ශ්‍රී ලංකාවේ පැවති පැරණි ජාතික ආහාරයක් වන

Šī ir sarkana siļķe.

අපි අපේ නාම හේතු හා,

බිතු විල සිය සියලුම සිංහ

19.1289 — Decoding Advanced Cryptography
Prof. Eric Albert

**CPNJKU SNSYKPK SEPNSWM UICKUSC IVVIFP
NQKSNM IXXSMK VBHTVP KHSDZSN MSHICV
SKKSXH QSVNJA BFPFOF GMNIC ERQCWG
RVKTLBY FAVUAQ LYMOGN PXWAHG FSKUST
WGSEU SNMXBT KKUSVSK KSXHB IZCPNJ
WNJXSW XXWNQSK USSNMXB TKSJV SKKSXH
KIQSK KUXSSM IEEINS NQVPH UFIXJH**

6.10101011 — Computer Applications to Puzzle Solving

Prof. Thomas Weisswange

Solving problems with just a pencil and your brain is quite satisfying, but sometimes you need a computer to churn out the answer for you. Take

<http://www.liii.com/~thomasw/hellcode.txt>

as a case in point.

19.2582 -- Research

Prof. Scott Weiss

Research is vital to both the solving and constructing Enigmatologist. Practice your fact-finding skills by finding these nuggets of joy.

According to the song, "it comes in a cup" and "it's only a buck".
According to the Courier, what Mama was asked to do, in "1776"
Album featuring "On My Way to Paradise"
Band who did the album "We'll Always Have Ohio"
BATES will rent you one
Beth, who's half kender, half other stuff
Bob Fitch, Roy Straigis, Mike Brown, and Bill Augustine, collectively
Book whose subtitle is "Creating Virtual Worlds with REND386"
Disco or Magnet
Dominique Mailliet reviewed it in *Premiere* (France) in July 1984 (pg. 8)
Eleanor's replacement on a 70's sitcom
"Electric Earthquake" hero
English name of 1996 Stefan Dorra game where "money plays no part"
Fermin Velez's sponsor
Film where Jane Fonda had a body double for her sex scene with John Voight
Film with the quote "Don't you have the whole world to save?"
First song on "Jump Up"
Hollywood Joe's CD combining swing/jazz with rockabilly
Item A115 at Fatboyz Candy
It features The Seven Arists (with "the")
Its tag line was "Intelligence runs in the family"
"Key" of "Duet for Human and Nam" in a 1996 comic book
Kombinatie tekenfilm/live action lijkt nergens op behalve op *Neverending Story* (with "The")
Laserdisc number 5720, catalogue number ID 2424 LI
Madonna fan page: "Something's ___"
Montag's activity in a 1966 film
Movie featuring the expression "Christopher Columbus!"
Movie featuring the line "You're a very paranoid person. I like that."
Musical whose prologue features Frannie and Manny
Name of "storage building" number 20 at UMD
NASDAQ ticker symbol of group headquartered at 4200 Parliament Place, Lanham, MD
1942 Hopalong Cassidy western
November 2 in Mexico
Peruse
Rubbing oil sold by I. Armstrong
Song featured on CD5 single: Arista 74321-19619-2 (UK), 1994
The domain name of HuskyLabs
The Irish version requires fresh pig's blood and beef casings
"Trzy kobiety"
What Mabel is doing when not listening to music or riding her bicycle
Where Tim Wilson claimed the Yeagre was on September 15, 1997
Verse described on pg. 54-56 of *More of Paul Harvey's The Rest of the Story*

19.28 -- Quotation Puzzles

Prof. Scott Weiss

We made up the quotations in the quote boxes below. Just drop the letters in each column down to the appropriate row to spell something. You should note that we've left out more than just the black squares.

I.

```

E E A N E A A A I
L H A N I D C L L
V I E R I H E T R
W Y N S T M E Y S
-----
- - - - -
- - - 3 - - - -
1 - - - - - 4 -
- - 2 - - - - -
    
```

II.

```

H H A L A D C C
L I E L H M E E
O N H O P O H S
T P L S R S I T
W S S T S U Y T
-----
- - - - -
- - - 4 - - - -
- - - - - 6 - -
- 5 - - - - 3 -
- - 2 1 - - - -
    
```

III.

```

O A A A E C
S E H N H E
S G I S S O
U H S S T O
W U T T U T
-----
- 4 - - - -
- - 5 - - 1
- - - - 6 -
- - 2 - - -
- 3 - - - -
    
```

Junior Year

You're halfway there. Congratulations!

Now you'll get to see how well your puzzle-writing skills shape up against your classmates'.

Remember that you need to solve 15 of the puzzles in this year, and at least one other team must solve your submission. If you like, you can waive the latter requirement by releasing your puzzle's answer to the other teams.

Once you complete the requirements, we'll give you a final exam for the year. We'll also ask you to rank the other puzzles based on how much you liked them.

Junior Year Course Packet

Team Name _____

Puzzle Name/Description	Comments	Ranking
19.2837 - Transformative Ling.		
19.503 - Advanced History		
5.198 - Number Theory		
19.13 - Junior Lab		
19.789 Color Theory		
18.000 - Remedial Mathematics		
19.678 Junior Project		
19.567 Thesis Preparation		
7.270 - Sustenance of Life		
24.917 - Faux-netics		
4.666 - Special Subject in Numerical Interpolation		
19.456 Cartooning for the Tech - Noun Poetry		
6.1835 - AI Pattern Recognition		
18.123 - Communicating with Numbers		
19.001 - Vwlss Pztl		
24.845 - Circular Saws		
19.00s - Cultural Study		
6.551J Sound Mechanics		
18.101 - Combinatorics		
19.234 - Music Appreciation		

L.??? - Natural History
 19.012 - Even More Cryptography

19.2837 — Transformative Linguistics

1. Take the name of LSC's butter machine, write it down, and stare at it.
2. Change the first letter of your word to the first letter in the name of the mascot of the second floor of the east parallel of Fred the Dorm.
3. Find the letter of your word that corresponds with the number of the department housed in E10. Change it to the first letter in the last name of the author of *The Idea Factory - Learning to Think at MIT*.
4. Change the fourth letter of the word to the last letter of the beaver's name in the first and only publication of the East Campus Alcohol Education Group.
5. Take away the letter found in the name of DS9's shape-shifter.
6. Reverse the order of the letters
7. Take the number of shows Sondheim has written that were on Broadway, multiply it by 2, and add 3 to that. Remove the letter corresponding to this number from your word.
8. Change the vowel in your word to the last letter in the title of the book traditionally read on Bloomsday (June 16th). ^{next to}

THE END

19.503 - Advanced History

Decode the following four letter word:

Weisse masse, Seolfor siolfur, Prometheus, Nitron

5.198 – Number Theory

Visiting Profs. Michael Hill and Patrick McCormick

5261752392

15 – Mo

27 – H

3 – O

74 – He

19.13 Junior Lab

Professors G. Rockefeller and C. Nave

m. lut u luyd url t.cyk n rmjf.s yumr "cgrlol ujumrt. .fo !mrlc!t cv .fo
egts 'mjf.rmrj ?yutfolb .fgrloy ycu~~o~~lb m pgk"ol qgm?d'n .fycgjf .fo lccyt
url cr.c .fo tmlol!u'd url rouy'n ?c"mlol !m.f u "olot.ymurs woh?gto koxw
no"ol .fo kurs m u"c'cjmiol "ycvgto'ns wmzk cr'n u .cgymt.;w m oh"umrol;
wurl mzk u 'm..'o 'ct.s fc! lc ncg jo. .c ?uyrojmo fu",w .fo t.yurjoy
yo"molwww

b u i l d i n g 5 4

c h r i s t m a s t r e e

C o m m u n i s t c h i n a

e l v i s ' s s h o e s

f i r e t r u c k

p a c i f i c o c e a n

s p r i n g o f S a g e

s t r a w b e r r i e s

t h e t i c k

18,000 — REMEDIAL MATHEMATICS
PROF. BOND, JAMES BOND

$$\begin{array}{r} \text{WWW R} \\ \hline \text{T O D} \overline{) \text{RRNDTN}} \\ \text{ERT} \\ \hline \text{RRD} \\ \text{ERT} \\ \hline \text{TNTT} \\ \text{ERT} \\ \hline \text{TDNN} \\ \text{TTEE} \\ \hline \text{TD} \end{array}$$

WHAT IS 23,401,340?

19,678 - Junior Project

Although our freshman and sophomore years involved a number of new-fangled puzzles, we decided to shift our attention towards more classical problems for our Junior Project. Below is a simple set of clues for fairly short words; they are listed together in eight pairs. A pretty straight-forward warm-up exercise, if you ask us, but our professors considered it perfect for our Junior Project.

Moxy Fruvous's second album: _ _ _ _
Be introduced to: _ _ _ _

DeVito or Schwarzenegger: _ _ _ _
Shirk work: _ _ _ _

Sum kind of snake?: _ _ _ _
Complaints at Wendy's?: _ _ _ _

Deliver a stoning: _ _ _ _
Third place: _ _ _ _

Old West deputies: _ _ _ _
Open with a crowbar: _ _ _ _

Hypnotist's command: _ _ _ _
Member of Hef's entourage: _ _ _ _

When you get one of these...:
...you might get one of these in your throat: _ _ _ _

Like seltzer: _ _ _ _
Having bendable legs: _ _ _ _

19,567 - Thesis Preparation

Our puzzle:

Your advisor has suggested that you take an introductory course in preparation for your thesis work next year, but being as advisors can be, he seems to have forgotten which course he was going to suggest that you take. In fact, he can't seem to remember anything at all about the course, not the professor's name nor the name of the related series of introductory courses. However, he does have one important piece of information. The series of courses are typically taught in 3-343 at noon, 7 pm, and 8 pm on Monday through Thursday.

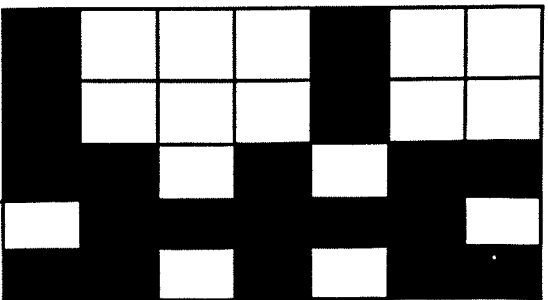
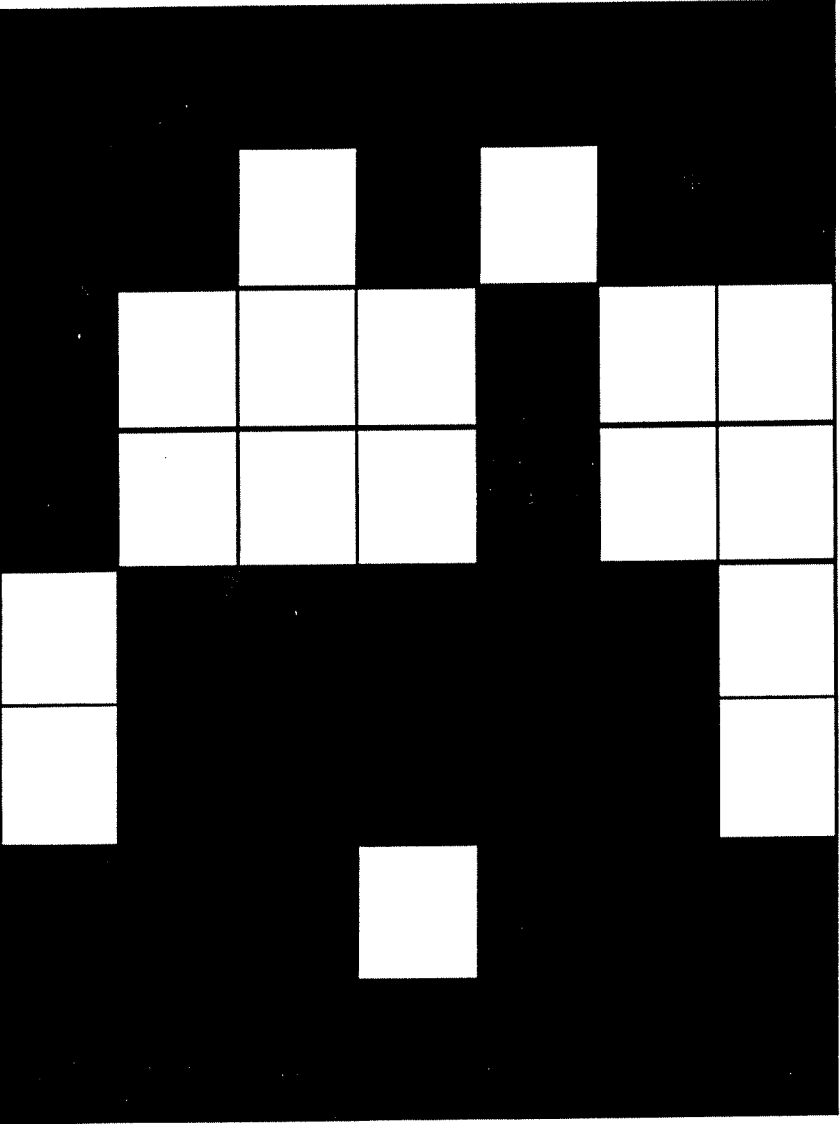
Oh, and there's one more thing. Although it is possible to find the syllabus for these classes in a variety of places around campus, and you probably will want to pick up a copy of the syllabus, the course you'll want to look into is not on the regular listing. Hmm, it must have something to do with this list of numbers....

~~2,3,4 6,1,3 5,1,1
1,1,4 9,2,4 5,3,1
8,3,1 3,1,7 3,3,3
2,3,1 4,3,2 8,3,1~~

6,1,8 4,4,3 4,1,1
2,4,3 1,3,3 9,5,3
7,3,1 2,1,7 5,2,2
3,3,1 8,4,5 7,3,1

7.270 - Sustenance of Life

Prof. Johann Burger & Robert Rucinski



Keys

24.917 – Faux-netics

Prof. Ben Dover

Resident of Melmac (3)

First English-speaking Caribbean country to qualify for World Cup (Sp.) (7)

Dakotan Indian tribe (5)

He has no “quv” (Kl.) (4)

Thirteenth word of Mt 6:9 (KJV) (8)

-Cone, -Sol, -tree (4)

Spaghetti-, Cheeri- (2)

Popular dog in Baskerville (5)

Soft (4)

Mixed-up bro is a sphere (3)

You’re halfway to here at 182.2 smoots ($\pm\frac{1}{2}$ an ear) (4)

A collection of living animals for public display (3)

“ _____ be back.” (3)

“Do the _____” (3)

Finding the coin (7)

Animals wear it to keep warm (3)

Without (Sp.) (3)

Sheet you bring in when you don’t know the test material (4)

Carolyn Phillips, to a SIPB member (5)

4.666 Special Subject in Numerical Interpolation

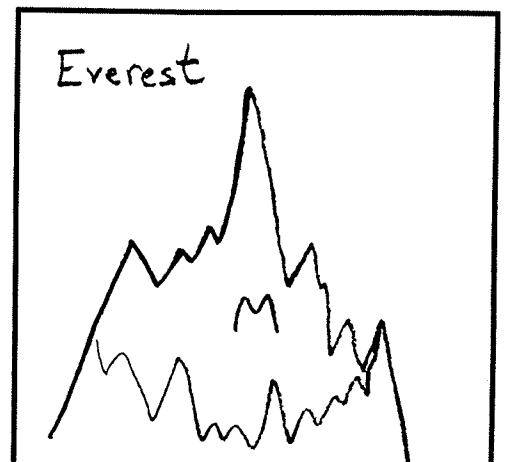
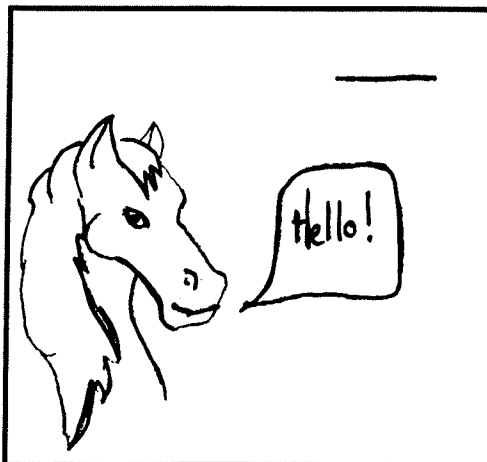
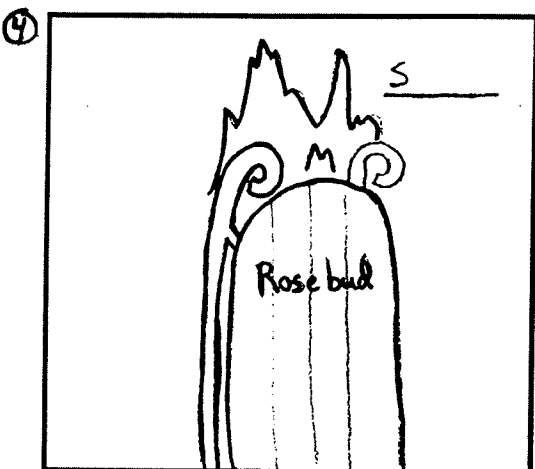
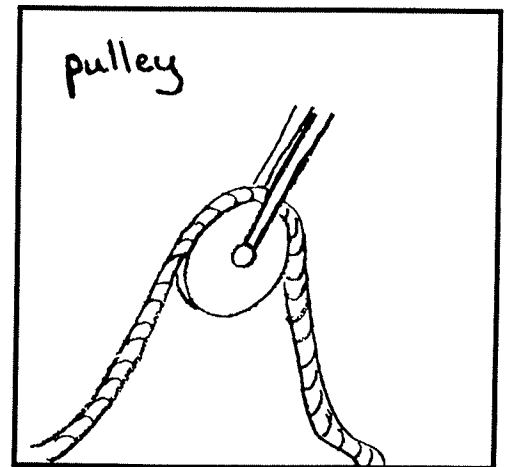
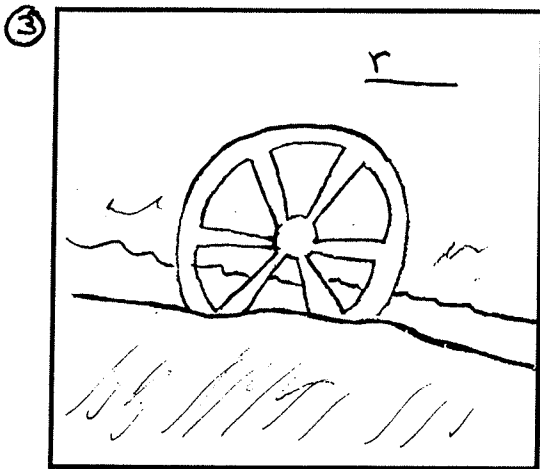
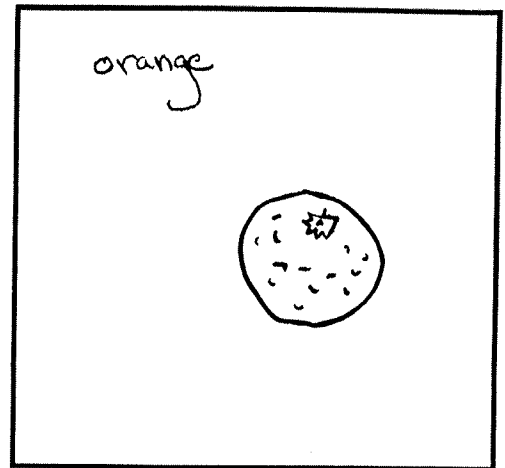
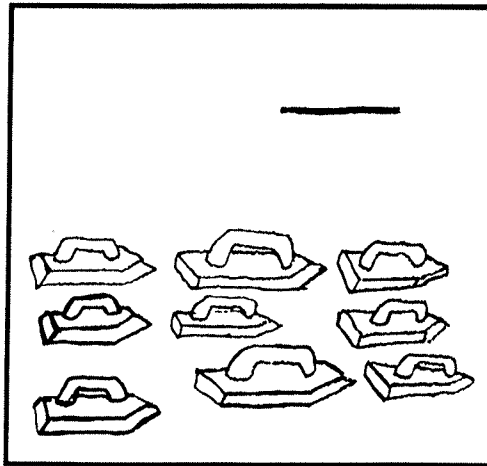
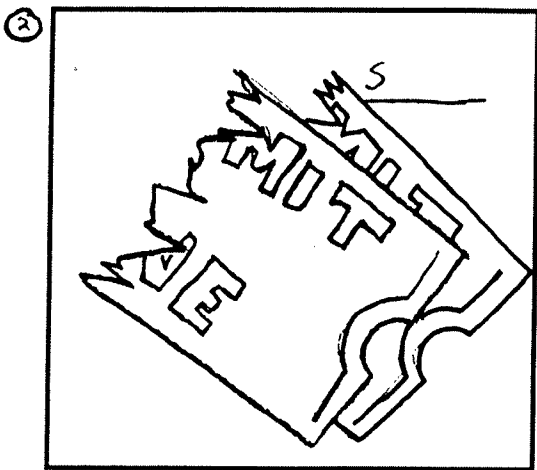
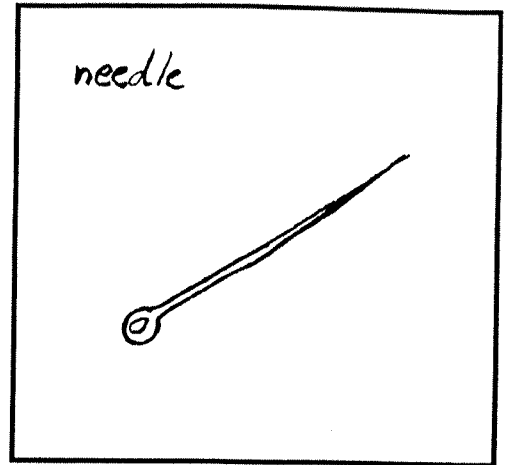
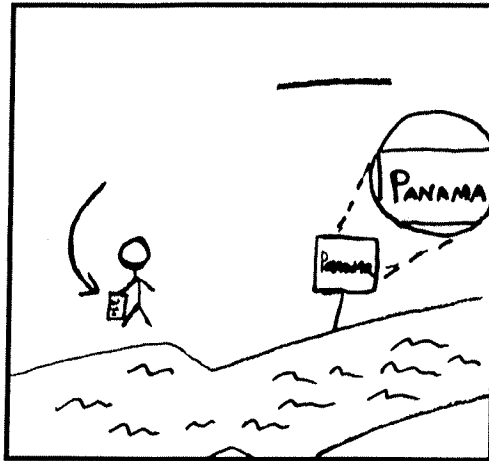
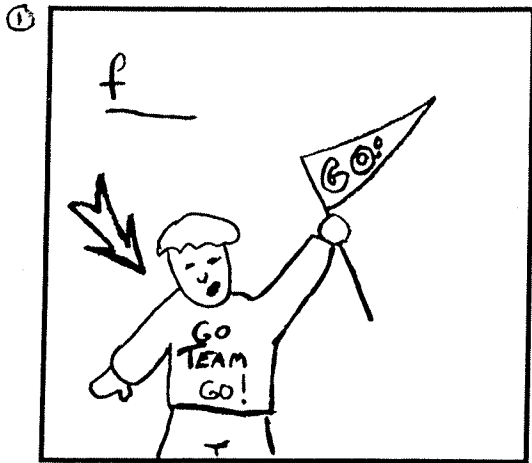
(3,8) (39,5) (E60,3) (54,3) (7,1) (16,7) (13,4) (66,2) (66,3) (7,3) (18,3) -
(66,5) (13,1) (E38,6) (E40,6) (N42,4) (16,5) (18,2) (E60,11) (E18,7);

(39,5) (3,8) (16,6);

(E17,4) (NE80,2) (54,1) (E19,1) (E60,10) (E18,4) (3,9) (36,9)

(E17,8) (36,2) (E17,7) (38,3) (E40,3)

CARTOONING For the Tech - Noun Poetry by Katy-Cat



6.1835 — AI Pattern Recognition Problem Set 1
Profs. M. Factor, M. Vale and R. Hoffmann

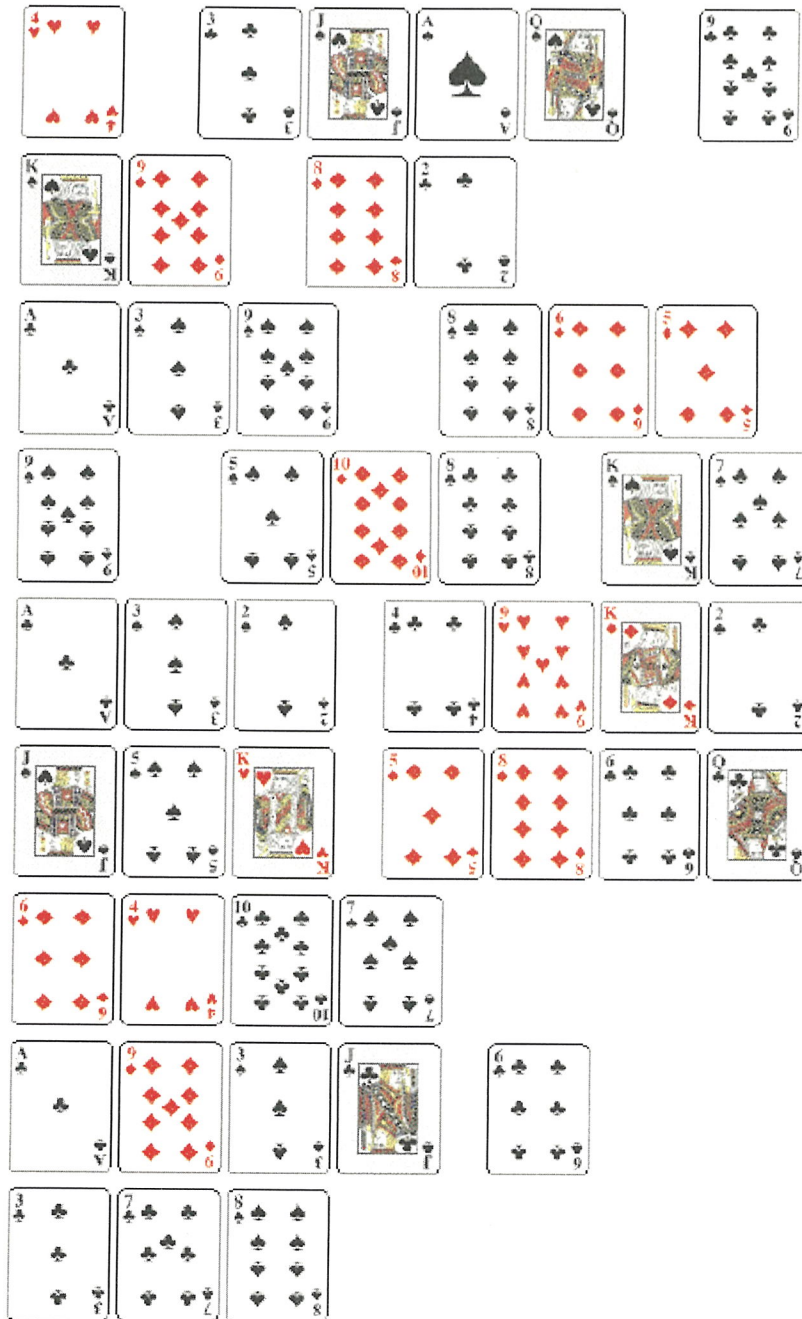
The problem set has been placed on the web for your convenience.

<http://web.mit.edu/hoffmann/public/6.1835.html>

Course 6.1835 - Problem Set 1 - 1/16/1998

AI Pattern Recognition

Professors M. Factor, M. Vale, R. Hoffmann



18.123 --Communicating with Numbers

4, 7, 3, 2 / 26, 4, 9 / 19, 11, 17, 2 / 5, 2, 3, 6, 25, 19, 2, 14, 2, 1 / 22, ¹⁹~~14~~, 6, 16 /
18, 2, 16, 16, 11, 8, 2 / 26, 4, 9/ 15, 6, 10, 10 / 11, 10, 18, 4, 16, 22 / 19, 11, 17, 2 / 22, 19, 2 /
11, 7, 16, 15, 2, 14.
25, 9, 22, 22, 6, 7, 8 / 6, 22 / 22, 4, 8, 2, 22, 19, 2, 14 / 6, 16 / 11, 16 / 2, 11, 16, 26 /
11, 16 / 4, 7, 2 / 22, 15, 4, / 22, 19, 14, 2, 2.

19,001 Vw/SS Pzzl

In 1914, Indiana Jones left a message about his profession:

RCHLGCL

Re-insert the vowels.

24.845 -- Circular Saws

if you not to come a evil, it does not hear no evil, say
it no evil. the cold time transfers the interior warm.
if you it could not be the heat, saa of a kitchen. each
good boy condemns. he never looks at a horse of
the gift in the opening. data of feiglunge many marks
before its deaths. simple coming, goes simply.

19.00s — A Study of Contemporary Culture, Terminology, and the Symbolism of Post-Modernism in a Neo-Industrial Proto-Futuristic Paradigm

1. Find a link between Ashley Judd and Henry Rollins á la Kevin Bacon.
2. What is the nearest opposite of the word “Treyf”?
3. What early laser-disc video game featured a dorky hero who could transform into a hunky hero at the press of a button?
4. What was the name of the bumbling detective often featured on the children’s television program “The Electric Company”?
5. Name a movie starring Mary Steenbergen which features a character who travels to the future.
6. Rincewind is a former student of what institution?
7. Name the occupation of the Beatles’ Rita.

6.551J/HST.714J - DEF TUV TUV OPER OPER

Dr. Ayyama Felcher

<http://web.mit.edu/dokon/www/puzzle/puzzle.html>

18.101 — Combinatorics

Here's the combination... you unlock it.

R17 L15 R5 L7 R4 R10 L3 R3 L8 R2 L6 L2 R11

19. 234:

Music Appreciation

All for a cuddle and a peck on the cheek.

And pal around with democratic fellows named "Mac"
So, take me right back to the track, Jack!

I bet my money on the bobtail nag
Somebody bet on the bay.

A dream that will last
For the love you can give
Every day of your life
For as long as you live

Go up to the mountains, or down to the seas.
"You should always say "thank you" or at least say "please."

That vampire bat!
That inhuman beast!
She ought to be locked up
And never released!

Stop wastin' my time,
You know what I want.
You know what I need,
Or maybe you don't.
Do I have to come right flat out and tell you everything?

Sometimes I park in handicapped spaces,
While handicapped people make handicapped faces.

Take the back seat, hitchhike,
Take a long ride on my motorbike.

And I've been plowin' and milkin' so long
That even Ezekiel thinks that my mind is gone.

And away he'll schlep on his elephant Shep
While Fella and Ursula stay in step...

After killing Jason off and countless screaming Argonauts.

I said "Do you speak-a my language?"
He just smiled and gave me a Vegemite sandwich.

It's a turnaround jump shot
It's everybody's jump start,
And every generation puts a hero on the pop charts.

There's great films on TV,
"The Sound of Music" twice an hour
And Jaws I, II, and III.

Holding hands while the walls come tumbling down.

We came in spastic
Like tameless horses.
We left in plastic
As numbered corpses.

You came in to wash your feet,
She was eating a pile of meat,
And that, as they say, was that.

Oh, Daddy dear, you know you're still number one.

L.??? – Natural History

<http://www.mit.edu/~jclin/puzzle.gif>

L.??? .115.40.13

~~xxxx~~ _____

--the answer is in the stars

Junior year
puzzle by the
Shrooms

Hint 1:

Tozzer

Hint 2:

Folia primatologica 46

Hint 3:

98-103

19.012 - Even More Cryptography

Mit grunts mz zys xywwvt zqmtr xstptotu
stlvymkzr, gjt, umstrjmi gro
otukjr. Km ku g mtr-vtmmts nzso. Jzzo
vyph! -Fzys Pzextmkmzsu

Department of Enigmatology

Junior Year Requirements

Select one class from each of the following 15 groupings:

- A) 4.666 , 19.012
- B) 19.13, 19.678
- C) 7.270, 19.456
- D) 19.345
- E) 18.000, 19.234
- F) 19.00s
- G) 19.789
- H) 24.917, 18.123
- I) 5.198 , L.???
- J) 19.567
- K) 19.001, 18.101
- L) 24.845
- M) 19.2837
- N) 19.503
- O) 6.1835

Senior Year

Congratulations! You are now in your final year of study. Since you haven't passed your Phys. Ed. requirement yet, we'll make you run around a little bit more this year. Watch out for that swimming test — not!

When you think you're ready to graduate, please let us know.

19.154-62-3522 -- Special Lecture in Enigmatology

Dr. John Chaneski

The Department of Enigmatology would like to apologize for a slight inaccuracy in the special lecture. We believe that one piece of information uncovered during the lecture is incorrect. Please call us to correct the error.

6.535: Roamin'

Prof. Thomas Weisswange

1005051050050500

19.333 – Chaotic Clues

Prof. Scott Weiss

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68

Hunt's hit; 5 wds: 63 60 1 45 49 24 29 10 7 50 27 55 66 38 6 18 27 10 41 13

Force-ful warrior?; 2 wds: 36 47 18 26 5 30 40 48 61 8 28 34 12 21 15 16 5 23

Boob tube Boston barrister; 2 wds: 12 44 58 32 39 6 25 4 34 68 7 42 14 1 26 25 9 30 40

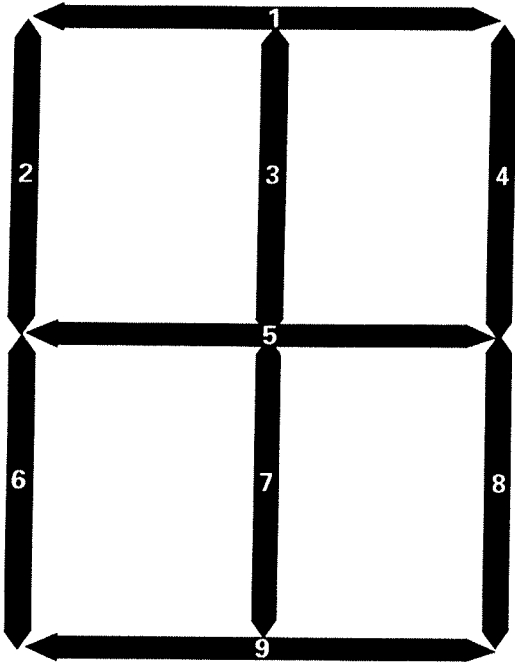
They're often taken home after receptions: 15 51 41 11 54 2 56 65 17 21 14 43 2 35 20 24 11 29 37

Like a 4-year-old after eating chocolate, *according to common wisdom* ~~proverbially~~: 53 9 64 42 16 37 28 13 59 46 3 4 36 38 31 19 17

Stick-y microorganisms? 2 wds: 23 57 31 33 22 62 20 52 35 19 67 8 33 3 39 22 32

4.123 – Coloring Within the Lines

Prof. Scott Weiss



Go to room _____ and find
the word above _____.

11			■				■	
232								
1								
2112								
232								
212								
23								
24								
2112								
212								
111								
131							■	
221								
111								
1111								
211								

1	1	1	1	2	1	1	1	1
8	7	1	2	4	2	1	3	3
4	2	2	3	1	3	1	2	2
	1		1	2	2	2	1	1
					1			2

If you've never heard of Paint By
Numbers before, call us at x8-0279.

18.617: Number Theory

Prof. T. Weisswange

Answer the following questions. If done correctly, I'm sure you'll know what to do with the finished product.

How many regular female bailiffs appeared in the cast of the TV series "Night Court"?

How many PATs were scored by Louis Ray Groza after the Browns joined the NFL in 1950? *(Regular season only.)*

What number belongs to JEALOUSY (in the right book)?

What is the number of the verse containing the line:
"No refuge could save the hireling and slave
From the terror of flight, or the gloom of the grave:"

In what year did Constantine issue the Edict of Milan?

What is the number of the highway providing the most direct route between Medicine Hat and Lethbridge?

4.4444 Structures

Prof. T. Weisswange

Herb's playing a game of Tetris. He's just not very good at it. He only manages to score 9 rows throughout the whole game. Also, he doesn't know that he can rotate the pieces. The pit for the game is 10 squares wide by 15 squares high. The pieces Herb got are shown below. Remember to remove any complete rows.

Your job is to reconstruct the full Tetris game, from beginning to end. The last piece will go over the top of the pit. Herb will succeed in dropping 9 rows. Do not rotate any pieces as they fall. The blocks remaining at the end of the game will spell out your answer. *Want second thing described by answer.*

Here are the pieces for the entire game, in order:

- | | | | | | | | |
|------------------|------------------|----------------------|------------------|------------------|------------------|----------------------|-------------|
| 1. AR
TH | 2. BR
LO | 3. W
CH
E | 4. TS
T. | 5. EC
IS | 6. H
IT
L | 7. E
R
ON | 8. KL
IM |
| 9. RE
IC | 10. B
AYE | 11. B
U
S
I | 12. E
CTL | 13. A
MA
Y | 14. ME
SO | 15. F
Y
D
N | |
| 16. L
TON | 17. LOC
L | 18. T
KP
N | 19. E
ART | 20. Y
BE
R | 21. S
WA
H | 22. RL
IS | |
| 23. AN
IN | 24. WE
LL | 25. HI
OU | 26. E
M,
R | 27. THEN | 28. R
LD
N | 29. IN
FI | |
| 30. UI
TH | 31. L
G
ND | 32. !
D
E
B | 33. O
,
UP | 34. TI
OL | 35. EM
SC | 36. FI
OL | |
| 37. L
TH
N | 38. R
ND
I | 39. T
URY | 40. -C
SC | 41. E
EN
O | 42. AL
T
L | 43. RED
D | |
| 44. UA
MI | 45. ON
SQ | 46. G
THE | 47. FF
MI | 48. L
TOP | 49. ?
PIN | | |
| 50. HE'
O | 51. WH
DO | 52. ERES | 53. X
WA
S | | | | |

21L.2557 – Puzzling Literature

Prof. Silvain

I stepped out of the portal into the cool, fresh night air. This had to be it. I turned back and looked at the portal that had brought me here, noticing that it seemed to be made of two indeterminate lines bound together magically.

I turned and ran down the nearest stairs -- I had no time to lose. In front of me stood the right hand of the evil conglomerate that was trying to strip the planet of life and resources. I had to stop it. Knowing that a frontal assault wouldn't be the optimal way to do it, I chose the more sinister path.

Running under a shaky-looking bridge and further onward, I had the feeling that I had escaped from there for the moment. Then, turning right, I walked along the beach until I came to the first port town. He had been here, there was no mistaking that. I could feel his evil here

I was about to move on when I noticed a small, glowing stone, about the size of a marble. I quickly picked it up, and studied it closely. I had seen this pale green glow before. I was in a hurry, so I popped it into my bracelet on my arm, and traveled inland from the beach. I quickly scanned the town for signs, and found just a few words protecting the rights of these people. I noted the second to last letter of the last word.

After crossing the twin trails, I turned left and picked up the pace. I noticed that someone had carved something into a nearby tree. I noted the third letter on the fourth line, and looked around me. There was nothing. I twirled my sword and returned it to its place on my back and hurried on.

Seeing the house of the head of the evil conglomerate in front of me, I quickly ducked into a convenient inn. I dashed through the courtyard, and came out facing a strange arena. Quickly turning right, running, turning right again, I dashed into a less well beaten path a little farther forward on my left.

Running past the stairs, I tried to enter the door in the corner. It was locked. I didn't have time to figure out how the lock worked; I just smashed the glass to eliminate the problem. Once inside, I descended into the maze-like dungeon.

I ran past the market, but not before the drink vendor called my attention to the seventh letter on the same number line as right turns I made in my descent. As I read the notice, I knew it couldn't apply to me, but a letter is a letter in the end. Oh, well. I ran on, stopping as I saw a strange megaphone in an open locker. I didn't grab it as it had nothing to do with me.

At the next opportunity, I turned left and ran to the end of the corridor. The last letter framed in blue glowed briefly, and I knew it was the one I was searching for. I turned right, and at the next opportunity, turned left, and burst through the doors.

I was then directed left a little later. After wandering the smaller maze ahead, I finally came out onto another choice. I fretted for a moment, then ran through to the left. While racing down the corridor, I summed all of the numbers that followed dashes, were framed

in red, and were on my right. I called that number n. I hurtled up stairs to my right, and ran by a misplaced rug.

Escaping from the dungeon, I realized that I could turn my head and see the horizon again. I passed through the tower, and went to the right of the sunken ship into a building. While running down the corridor, I stopped to read the writing on the wall. More specifically, I noted the fifth letter in the first word.

I emerged into the jungle. I turned right once for each character in my real, given name, and charged. I stopped when the corridor turned for the first time, turned left, and knew I was in the right place. Armed with my letters and their inverse, I was ready. I just hoped that the others were too. Soon he would catch the man in the black cape, and find out what really happened five years ago. I would settle my past. I began to cast a spell. A beam of light formed in front of me, and projected down through the floor somewhere far in front of me.

The other two women stepped out of glowing screens to find themselves in a place filled with machine sounds. They looked around, staring at the characters contained within each glowing screen. They recognized a girl whose name was the Japanese word meaning “cherry blossoms” and counted how many games she appeared in.

Leaving the noisy, darkened room, and passing the post office, they traveled up the stairs.

Before heading outside the building, one woman checked her long braid, and noted that the small white marble-sized stone was still attached to the ribbon she used to bind her braid. The other adjusted her suspenders and said, “When I first signed up with avalanche, I never expected this kind of a mission... but I suppose that this just goes along with saving the planet in the end.”

The other nodded, brushed the bangs out of her face, and glanced at the musical offerings. They walked out the door, and into the blinding snowstorm outside. They walked forward and stopped when they got to the stone benches. They then turned right the same number of times that the aforementioned character appeared, and started.

80 right
113 left
53 left
3 right
13 right
4 left
4 right
18 right
5 left

“This feels like safe cracking, doesn’t it?” The other woman just laughed.

67 left
53 right
1 left
8 right
2 right
16 right
5 right
5 left
25 right

In the middle of this last move, the woman with the braid stopped and examined the lettering on an object behind them. “I see. It has to be the true meaning of this second letter of the first line.”

100 left

“Is this it? The alignment feels so beautiful here....”

“While the symmetry is good, this is not the place. We must move onward.” She trudged on through the storm. Reluctantly, the other woman followed.

17 right

16 left

This was it. This had to be it. After all they had been through getting here.

“No, wait, something’s missing. We need to know why someone might come here... Why would someone come to this place? That’s the last piece of information we need to crack this!” They both thought for a while, and came up with the appropriate word in gerund form.

The woman with the braid began casting a spell as the other adjusted the metal claws she used for fighting. After the casting was over, a beam of light shot forth in the direction they faced at about waist level.

“Come on, if he’s done his part, what we’ve been searching for should be just ahead at the brightest part.”

What remains is to weave a tapestry of the things gained.

8.161516 — The Persistence of Memory

Prof. Scott Weiss

We hope you remember the answers to these questions, 'cause you sure ain't lookin' em up!

Circle the choice that answers the question or best completes the statement.

- A. Who did Walter go as at last year's Halloween party?
1. Spider-Man
 2. Batman
 3. Iron Man
 4. Superman
- B. Laverne has a doctorate in
1. computer science
 2. English literature
 3. electrical engineering
 4. economics
- C. Which of these people is a sibling of June?
1. Dolores
 2. Matthew
 3. April
 4. Quentin
- D. What does John put on his scrambled eggs?
1. ketchup
 2. tabasco
 3. worcestershire sauce
 4. nothing
- E. Tom always shouts "Man Overboard!" during the final scene of
1. The Poseidon Adventure
 2. Das Boot
 3. Titanic
 4. The Love Boat
- F. Which of these does Mary use when she does her laundry?
1. Woolite
 2. Bounce
 3. Cheer
 4. Clorox
- G. What's Jack's favorite area of mathematics?
1. plane geometry
 2. multivariate statistics
 3. vector algebra
 4. topology

H. During a recent sermon, what book did Bishop Witherspoon cite?

1. Matthew
2. Ecclesiastes
3. Acts II
4. Genesis

I. Which finger did Jeff break in 1992?

1. index
2. thumb
3. pinky
4. ring

J. Steve always shows up

1. late
2. too early
3. on time
4. drunk

K. Randy does a great impression of a character in what movie?

1. Star Wars
2. Forrest Gump
3. Deliverance
4. Sling Blade

L. On what holiday did Willy meet President Carter?

1. Christmas
2. Easter
3. Thanksgiving
4. Feast of the Immaculate Conception

M. Fred collects vintage

1. wine bottles
2. textbooks
3. stuffed animals
4. furniture

N. To reach Ralph's cabin, which direction do you have to head in leaving Albuquerque?

1. north
2. south
3. east
4. west

O. What kind of vehicle does Sally drive?

1. Jeep
2. truck
3. motorcycle
4. trailer

P. Frank Sinatra is Mike's favorite actor in what film?

1. The Manchurian Candidate
2. From Here to Eternity
3. Anchors Aweigh
4. Guys and Dolls

Q. Sarah has a keychain version of a(n)

1. Mr. Potato Head
2. Etch-a-Sketch
3. Rubik's Cube
4. Slinky

R. What is Bob's least favorite computer game?

1. Doom
2. Descent
3. Quake
4. Ogre

S. Which word did Kelly use to pronounce ANSMET?

1. Aerosmith
2. Enhancement
3. Answer
4. Isthmus

T. Where did Tommy's parents go on their last vacation?

1. Rio de Janeiro
2. Budapest
3. Melbourne
4. Walt Disney World

U. Shelley has seen one episode of what series more than 30 times?

1. M*A*S*H
2. I Love Lucy
3. Happy Days
4. Leave It to Beaver

V. Foozball is a(n)

1. koala bear
2. llama
3. iguana
4. dingo

19.69 — Creative Cruciverbalism

Prof. Eric Albert

"WHEN CORRECTLY VIEWED, EVERYTHING IS LEWD..."

ACROSS

1 Early calculator
7 Hidalgo companion
12 Goat getter
20 Dish directions
21 Jejune
22 Gödel, Escher, Bach character
23 ...
25 Labyrinth
26 Isle off Scotland
27 Gox inventor
28 "Mi ____ Loca"
29 Twisted
30 Popular game
31 It's known for odds and ends
33 Common past participle
35 Someway sensible
39 Bochco show
41 Alphabet invention location, today
44 ...
46 Small amount of work
48 Routine
49 Headband
50 Bouillabaisseball team captain
51 Yours truly
52 Titan
53 Smith of fame
54 Scratch
56 Dickens title word
57 It's found in Swiss banks
58 Gather in
60 Stretch of water
61 Etymologically, it means "unable to speak"
62 Con con
65 ...
69 Get off on
70 Bi-Nobelista
72 60 Minutes correspondent
73 Feminist singer/songwriter
75 Rise and fall rhythmically
76 Castrated rooster
77 90, to natives (with "the")
79 First name in westerns
83 Rats
84 Freeman, professionally
85 Rocks

86 Put out
87 Pierce portrayer
88 Friend of Frodo
89 ...
92 Mary Collins, later
95 Mail, say
98 Pardon
99 Hamlet's cousin
100 Less
101 Sled owner
102 Mamie's man
104 Showed
106 Without a trademark
109 Muff
113 It has a large corona
115 ...
117 Short account
118 Being distinguished by being erect
119 Reproduction need
120 Fear of flying, for example
121 M. Jourdain's ejaculations
122 All thumbs

DOWN

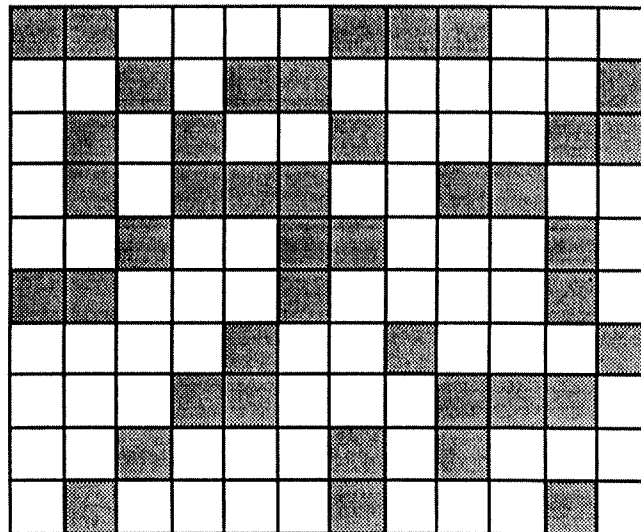
1 Painting and sculpture, e.g.
2 Bird's bill
3 Sore
4 Reference work
5 Wire service: abbr.
6 It was banned
7 Object of speculation, once
8 Put into a pot
9 Give the once over
10 Imprinting describer
11 Naval leader Doria
12 Erect
13 Be a monger
14 Forecaster's excuse
15 Cricket team
16 It's often carved in stone
17 ...
18 Speed
19 Stole, for one
24 Out of order
30 The buck starts here
32 Titian student
34 Actress Kitt
35 Marge's creator
36 Kind of code
37 Landlocked country

38 "Runaway" singer
39 *Ah-One, Ah-Two!* author
40 Sandy sound
41 Place for fretting
42 Natural-born
43 Engine engineer
45 Hacking requirement
47 Head
51 Get rid of calculus
52 '70s sitcom
54 Toots
55 Parrot
56 Borstal boy
59 Stock part
60 Hereunto
61 Be a heavy breather
62 Sprout precursor
63 Hit show of 1963
64 ...
66 Play
67 Cult movie of 1984
68 Bug
71 Lose power
74 He played Jed Clampett
76 Bunghole site
77 Bridal shower
78 Younger
80 Smith of fame
81 Help on a heist
82 Wild and crazy
85 Only companion?
86 Large lump
90 Bribable
91 Figurative description
93 Boucher's style
94 Calm down
96 Great Lake port
97 One form of algolagnia
100 Pie-eyed comic?
101 Call
102 Churchill's successor
103 Smith of fame
105 '60s eye-catcher
107 His last name meant "tentmaker"
108 Rustic
109 Iota
110 Doing
111 Lounge lazily
112 Support
114 HCH successor
116 *Battlestar Galactica* boy

19.667 – Grid Puzzles and Their Variations

Prof. Deborah A. Levinson

The numbers below refer to the appropriate grid row. The answers – whatever they might be – are not necessarily entered in their rows in the order given.



1. In one ear and out the other, e.g.
At a premium
Wrap material

2. Barbera expression?
Bitter
Ticketed

3. Hamlish hit
White Lily is one
Company?

4. F, for example
Cover, in a way
Helpful device

5. They were "enough"
Generation appellation
Dennis' dog

6. Numskull
Secondary

7. Vichyssoise requirement
Domination term?
Changes direction

8. Study
Dichotomize
Zilch

9. Ventilation system component
Pinched
Cherry, for one

10. Solitary
Like Emerson's bridge
Field role

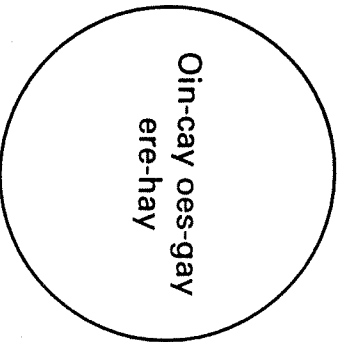
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

UPON THE RECOMMENDATION OF THE FACULTY
HEREBY CONFERS ON

THE DEGREE OF
BACHELOR OF SCIENCE
IN
ENIGMATOLOGY

SCRIBITE ROMANUM NUMERUM PRIMO ET MUTATE EUM IN NUMERUM ARABICUM.
DEDUCITE QUATTUOR EX MILIBUS PASSUM IN SECUNDO.
REMOVETE PRIMAM LITTERAM EX QUARTO ET INVERTITE RELIQUAS.
CARITE VERBUM CUSS EX TERTIA.
COMPONITE HAEC QUATTUOR PARTES ET ERIT NUMMUM VOBIS.

John Smith
SECRETARY



Charles M. West
PRESIDENT