# The IAP Mystery Hunt

Hello, and welcome to the 1991 Annual IAP Mystery Hunt. The Mystery Hunt begins today, Friday January 11 at 3 PM, and ends when there is a victor, or failing that, on Sunday evening at 11:59 PM. Should you have any questions, feel free to call/find either of the gamemasters, and we'll do what we can to help you out.

Rules: The rules for the Mystery Hunt are simple. There aren't any, excepting of course the laws of the United States, Massachusetts, etc. There are several different puzzles included in this packet, and you should feel free to solve all of them in any way possible. The objective is to be the first team to find a coin hidden somewhere on the MIT campus. The first team to find the coin is the victor, gets to keep the coin, and writes the Mystery Hunt next year.

Every night, between eleven PM and midnight, one of the two gamemasters will be available in the building 37 cluster (on the third floor). We will give out some additional clues, help, and we may even just be generally nice to you. The rest of the time, feel free to ask us questions, but we probably won't be of much assistance. However, when you think you know where the coin is, find one of us so that we may be there at the historic moment.

This year's Mystery Hunt is written by and run by Jan Maessen (jmaessen, x3-8973) and Stephen Rinehart (happyjak, x5-6670). Jan will be either at home or logged in almost all of the time during the Mystery Hunt, and Stephen will be either logged in, at home, or playing in a tournament on the second/third floor of Walker. Also, Jan lives at ET, so he will receive messages, and Stephen has an answering machine, so if you can't find us, leave messages and we'll get back to you as soon as inhumanly possible.

Good luck!

Puzzle 1: The answers to the following puzzles may be found walking the hallowed halls and grounds of the 'tute.

1. The guy with the neat telemetering hydrophone system.

2. The title of Katherine Porter's 1970 painting.

3. The gift of the class of 1906.

4. Look through the glass doors near the gift of 1968. What do you see?

5. The nearest mammals to the signature in Gibb's 1975 mural.

6. The dedication date of the Underwood-Prescott Memorial Lounge.

7. This rope has a tensile strength of 1,000,000 pounds!

8. This lab's named after a dude "eminent in the physical sciences".

9. Patented Dec 23 1877, Aug 22 1882, etc... (name the object)

10. Between duPont and Lowell.

11. Air Products, American Cyanamid, Bristol-Myers,... (the last one)

12. Images of _____ --- photographs by Yaniv Tepper

13. Pictured while on the R.V. Beveridge

14. In 1955, he took pictures of Hollywood, California and Butte, Montana.

15. Leonardo da Vinci, Darwin, _____

16. Calder's working model was their gift.

17. The givers of ELMO-MIT.

18. The next to last member of the Microsystems Industrial Group.

19. Glavert, Kutta, Blasius, _____

20. One of this type of tree overlooks the late building.

21. Boyle, Jabir, Ko Hung, _____

22. This building contains a stone from the original Rogers building.

23. Who etched Coffee Cup?

24. Graduate instructor in sanitary chemistry, 1873-1911.

25. Erect since 1964.

rite your answers to puzzle one on the following blanks; if they run off the edge, don't worry about it, you won't need that part of the answer.

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1. _____
   23 49

2. _____
   24 [redacted]

3. _____
   54 33 34

4. _____
   36 55

5. _____
   52 3 15

6. _____
   21 48

7. _____
   12 14

8. _____
   22 30 20

9. _____
   37 4

10. _____
    53 35

11. _____
    46 26

12. _____
    50 7

13. _____
    1 45

14. _____
    56 47

15. _____
    37 18

16. _____
    38 19 40

17. _____
    51 41

18. _____
    42 5

19. 16 28

20. 9 43

21. 44 29

22. 31 32

23. 2 11 10

24. 25 27 6

25. 13 8

Puzzle 2:

```
          RX
XBEA | ERDAEM
       OLMAA
       -----
        RLAEM
        RkBBA
        -----
         kDFO
```

DO ME

```
          AT
OWP | CSQTN
      CDSS
      ----
       TZON
        OWP
        ---
        NOW
```

A TO

```
          YB
HITL | UYBMR
       HITL
       ----
       YMIIR
       YBMUU
       -----
        LCLB
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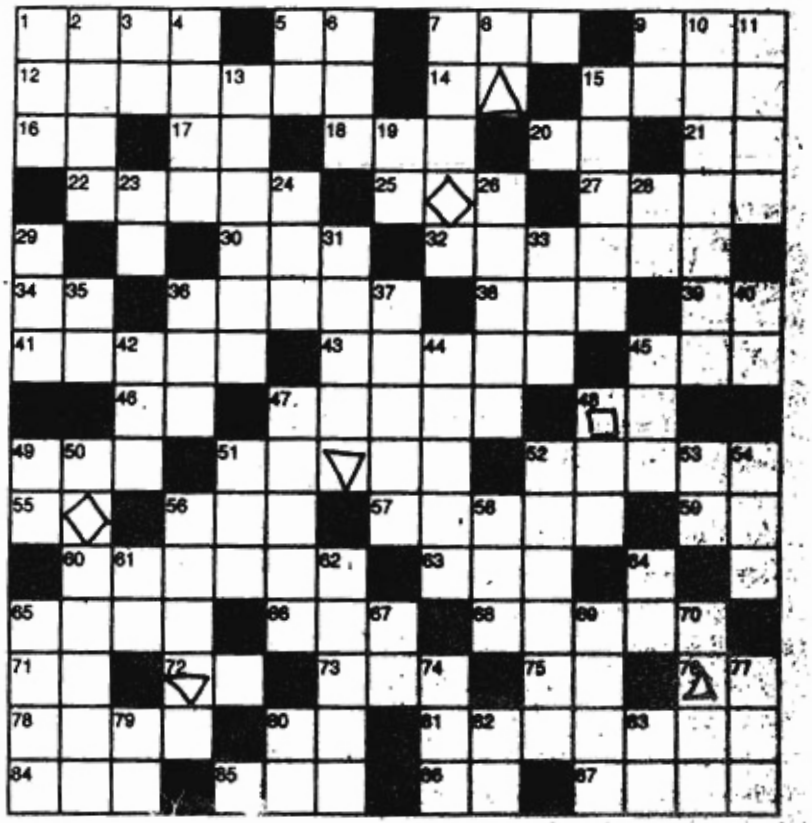
BY I

All answers are numbers, and no answer begins with 0.
Every square has a digit in it, between 0 and 9



**ACROSS**

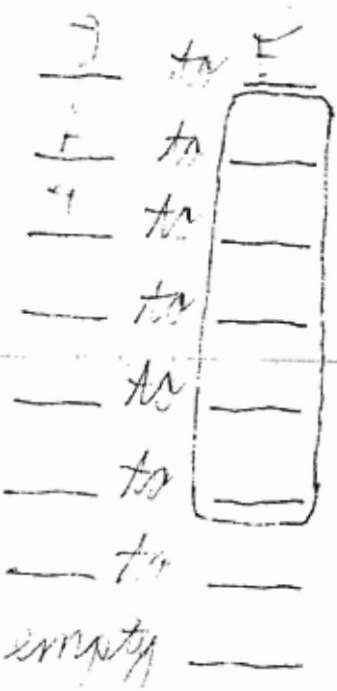
1. First two digits and last two digits are each a square of a square
5. Square root of 1-Across
7. A palindrome
9. A square
12. Only two different digits here
14. A multiple of 5-Across
15. 20-Across times 23-Down
16. 21-Across minus 8-Down
17. 71-Across reversed
18. 3-Down times one of its digits
20. 9-Down reversed
21. 71-Across minus 55-Across
22. Consecutive digits, not in order
25. Digits of 9-Across rearranged
27. 9-Across times 72-Across
30. Half of 24-Down
32. The cube of 5-Down
34. Average of 71-Across and 86-Across
36. Sum of its digits equals their product
38. 20-Across times 64-Down
39. Twice 40-Down
41. 7-Down minus 57-Across
43. Last digit is both the sum of the first four and the product of the first three
45. Half of 34-Across times 48-Across
46. 85-Across minus 9-Down
47. 39-Across times 19-Down times 64-Down
48. Square root of 9-Across
49. 18-Across times one of its digits
51. 47-Down minus 62-Down
52. A palindrome; a multiple of 4-Down
55. A divisor of 71-Across
56. See 52-Down
57. Digit sum is 48-Across
59. A divisor of 36-Down
60. First three digits and last three are both multiples of 64-Down
63. A multiple of 39-Across
65. 32-Across divided by 5-Down
66. A palindrome
68. 50-Down minus 81-Across
71. Last two digits of 1-Across minus first two
72. A divisor of 19-Down
73. Consecutive digits, not in order
75. A multiple of 20-Across
76. 16-Across minus 28-Down
78. Average of 2-Down and 67-Down
80. 20-Across plus 75-Across
81. 12-Across minus 76-Across
84. One fifth of 13-Down divided by 30-Across
85. A divisor of 36-Down
86. 71-Across plus 76-Across
87. 5-Across times 5-Down

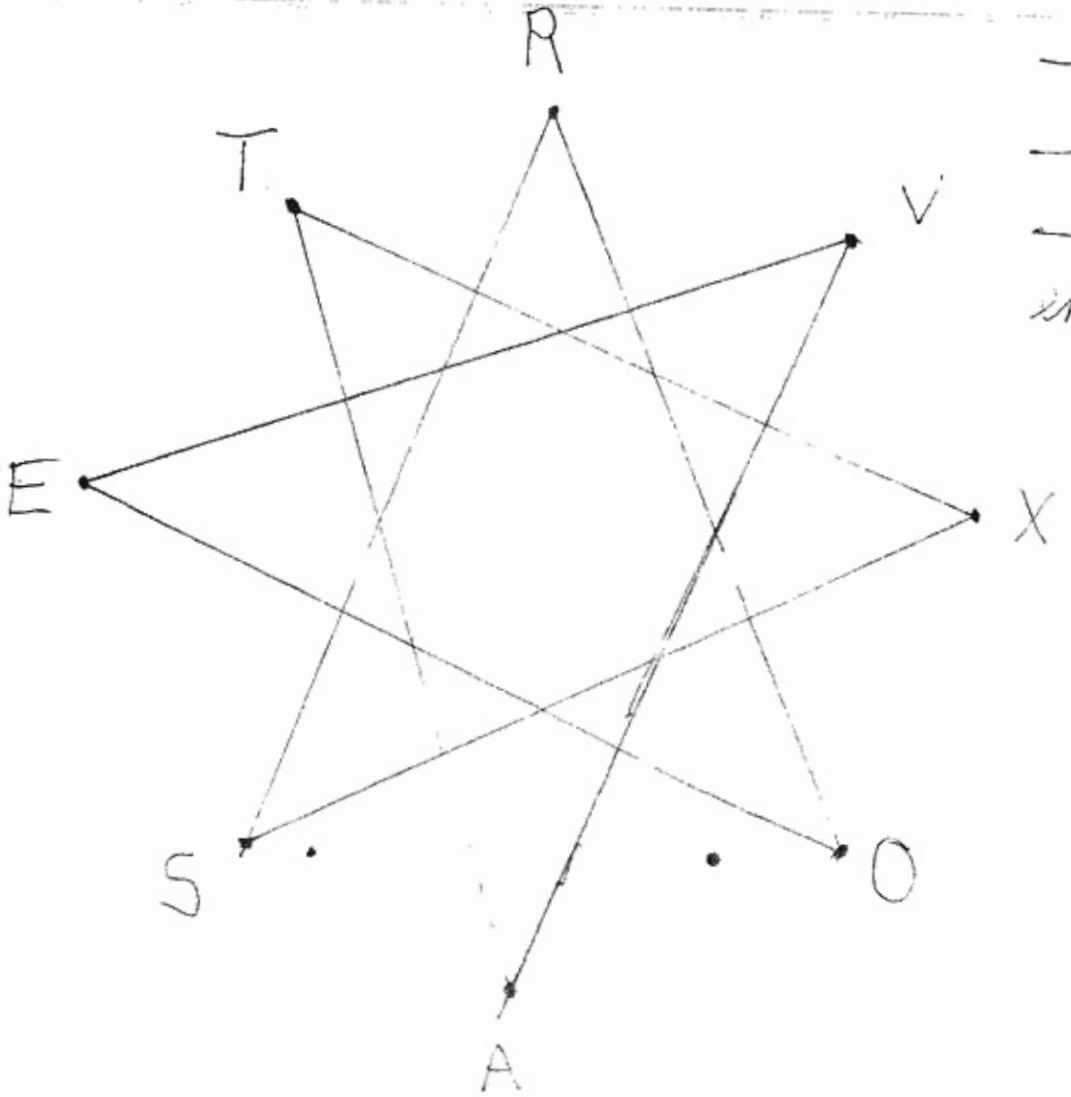
**DOWN**

1. A multiple of 23-Down
2. 71-Across times 23-Down
3. Digit sum is 6-Down divided by 8-Down
4. 23-Down plus 70-Down
5. First digit is square root of first two digits of 1-Across; last is square root of last two
6. Digits of 58-Down rearranged
7. 1-Across times 5-Across
8. See 3-Down
9. Last three digits of 11-Down divided by the first
10. 32-Across times 61-Down
11. See 9-Down
13. No digit is larger than the preceding one
15. Five times 5-Down times 23-Down
19. 7-Across divided by 28-Down
23. First two digits of 1-Across plus last two
24. 49-Across minus 1-Down
26. 39-Across times 29-Down
28. A divisor of 17-Across
29. 51-Across divided by 58-Down
31. A palindrome
33. 23-Down plus 77-Down
35. Average of 14-Across and 34-Across
36. Square of 53-Down
37. 31-Down, plus four times 64-Down
40. See 39-Across
42. Digits of 77-Down rearranged
44. 73-Across times 28-Down
45. 74-Down plus twice 19-Down
47. One fourth the sum of 32-Across and 52-Down
48. A divisor of 31-Down
49. A multiple of 55-Across
50. First digit is sum of each succeeding pair of digits
51. Each digit is a different square
52. 56-Across times 4-Down
53. Average of 48-Across and 23-Down
54. 7-Across minus 29-Down
56. Product of the digits of 22-Across
58. A multiple of 5-Across
61. See 10-Down
62. One third of the difference between 52-Down and 32-Across
64. 21-Across reversed
65. Product of first two digits equals product of last two
67. 5-Down minus 28-Down
69. 85-Across times 19-Down
70. Last two digits is a multiple of first two
74. 7-Across plus 3-Down
77. 23-Down times one of its digits
79. A multiple of 48-Across
80. Average of 21-Across and 79-Down
82. A divisor of 80-Down
83. 5-Across plus 5-Down

△▽ ◇□

Puzzle 3:




Directions: Enter a coin on any unoccupied, lettered point. Move it along a line to another empty point. Continue doing so until one lettered point remains empty. Write your moves in the space provided!

Each of the seven clues below has a seven letter answer.

You may find the common traits of the answers useful.

1. Some _____ people think that some of our clues are unsolvable.

2. If you win this year, next year you're in _____.

3. This clue is sort of equivical, you might say it's _____, but then again, you might not.

4. Freshmen must complete two terms of _____.

5. Kendall Square has a T _____.

6. _____ is a pearl of a pudding.

7. The trade of an imprisoned stock broker. _____