

# I.A.P. MYSTERY HUNT

PURPOSE: To be the first to find an Indian Head penny which is hidden somewhere on campus, by using the clues on this page.

THE PRIZE: The winner's choice of

- 1) A keg of beer,
- 2) \$20 gift certificate to the Coop,
- 3) \$50 donation to the charity of the winner's choice.

HOW TO WIN: On the reverse side of this page are a dozen subclues. The answer to each subclue is to be copied into the appropriate space of the main clue.

The main clue will then tell where to find the Indian Head penny. The first person to find the Indian Head penny should then turn it in to Brad Schaefer (at room 37-576 or Westgate #1005) to claim the prize.

OTHER RULES: If the Indian Head penny has not been found by Monday morning, at 10 a.m., more easy clues will be distributed in Lobby 7. The winner must be a person or group of persons from the MIT/Wellesley community. Brad Schaefer will be the final authority in all disputes. Funding for the prize was provided by the IAP Funding Committee.

MAIN CLUE:

1	2	3	4	5	
6	7	8	9	10	11
12					

SUBCLUE #1. Fort Washington flagpole

SUBCLUE #2.  $\frac{16}{\pi} \int_0^1 \frac{x^3 - x^{11}}{1 - x^{16}} dx =$

SUBCLUE #3. Nearest globular cluster to Cor Caroli.

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SUBCLUE #4. 10 J=1 90 J=J+INT(SQRT(FLOAT(N)))
20 K=1 110 GO TO 40
30 N=1 120 N=N+J+K/20-2
40 IF (J.GT.4) J=J-4 130 IF (N.GT.10) N=N-10
50 IF (J.GT.N/3) J=J+1 140 GO TO 40
60 K=K+J 150 TYPE N
70 IF (K.GT.102) GO TO 150 160 END
80 IF (J.GT.N/4) GO TO 120 
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SUBCLUE #5. Start from where you can see a polished nose, and go north. Take the first right, then the first left. At the bottom head in the direction of a coke machine. Pass another coke machine, then procede 20 steps past a hobbit hole. Follow the north-going pipes until you see six steps. Mount the steps, go out the door, and pass by Newton's tree. Stop when you see a flashing red light. Go north twenty steps. You seek the first golden word at eye level.

SUBCLUE #6. This subclue is to be found on a poster in building 7.

SUBCLUE #7. Tweedledum's rank.

SUBCLUE #8. "He that plays the king shall be ; his majesty shall have tribute of me."

SUBCLUE #9. This subclue is on a poster which is visible from Lobby 7.

SUBCLUE #10. First word of The Bible.

SUBCLUE #11. 猴

SUBCLUE #12. What is the key word of this Vigenere type polyalphabetic cipher?  
HPIMX MWPWQ PZYKJ YCGRI URUGR AVYGT WCMAX LGCVI MFIEX OONGR DVCUL AVYUE ZHFWA HGMAX  
BONWH AVYJI SWYKE SOLYI AFUUX VTQGS KNAW YWMAR NULGY URUFH PBNZI JSHLI YCZLL LRYEI  
ZBYGR AVYLS WIZLL LVCDP ZHUFH ZOZAR LAIVI YBWZE ASUMX OSJJS WLLC VTUVM ZHUFH RWHKQ  
HBIXJ YWNRW AVYUS BBNKX HBCKP HGPGR AOLDI UVYAQ JCOFX ZHUFM ZZUKL PAMWP MKUKE ZHOVI  
UHUFH HFYUP BGYZI ZSFVS TJCKM ASXLL LVIMW LOHVL HRIFJ YWNRW YSKMI ZHPWV FFYSH PZSSR  
KQIMV ASIMW SMIXJ LFYVQ LWNKL VGJAX HZCLC MCLEC ZSFXE URGQT HFNQB.