

# JACKASSIC PARK



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## THE 43RD ANNUAL IEEE TREASURE HUNT

1993 marks the 43rd year of the IEEE Treasure Hunt in the Valley. The prizes awarded the winners over the years have had little monetary value, yet the competition for first place has become keener each year. The excitement has grown, and the red hunting caps awarded Treasure Hunt winners have become the prized possessions in many a trophy cabinet. Wearing this red crown of victory accords winners the privilege (and responsibility) of serving a three-year term on the Treasure Hunt Committee - trying to stump their cohorts.

Beginning in 1970, all two-time winners with six years of committee service, or one-time winners who have had less than three years of respite from committee service, have been offered the opportunity to declare their car "professional". This must be done upon application for tickets to the hunt.

In 1981, the 1970 resolution was amended to limit those teams who wish to declare themselves "professional" to those who have three or more members qualifying as exempt from committee service under the 1970 resolution.

Because of experience gained since 1970 in administering the 1970 "pro" resolution, the committee has made the following interpretation of the resolution: (This is being done to define in detail how the resolution should be administered and to avoid confusing situations which have occurred or might occur.)

A professional team agrees not to compete against amateur teams in the hunt. First, second, and third place prizes will be awarded to the three amateur teams with the lowest times per clue. If a professional team has the lowest time per clue for the hunt, the accomplishment will be announced, and the team members which qualify the team for "pro" status will be awarded "PRO" buttons to be affixed to their previously won red hats. In addition, this team will be admitted to the new "Pro-Button Winners" section of the Hall of Fame. Other pro teams which have times per clue lower than the third place winners will be announced for their respectable showing. Pro teams which ran near the end of the pack will also be announced in order to give encouragement to the novice first year teams which have participated. Beginning in 1985, the novice team with the best time has also been officially recognized and encouraged to keep up the good work.

Of course, eligible hunters who chose not to be declared "professional" for the hunt will compete and be eligible for first, second, or third place. Also, if this choice is made and the team helps bring up the rear, they will be left alone to hide at their dark corner table behind their beer pitchers where they need not fear the announcement of their boondoggle.

Through the years, many couples who are not IEEE members have served on the committee. They have contributed significantly in making the Treasure Hunt the success that it has been over the past 42 years. Because of this, non-member couples who have served on the committee are given the same status as member couples when ticket preference is given. Of course, non-member ticket prices must still be paid by these couples.

*1993 Treasure Hunt printing courtesy of Motorola.*

**IEEE TREASURE HUNT**  
**-----HALL OF FAME-----**

**WINNER (MINUTES/CLUE)**

1951 (27.4)

1. Frank, Estes, Lyman
2. Greer
3. Olson, Chambers, Wunderlich

1952 (23.8)

1. Hartman, Kemmeries, Pennington
2. Greer
3. Gundry

1953 (31.8)

1. Sokoloff, Diven, Dreste
2. McClanathan
3. Blackert

1954 (23.5)

1. Chambers, Myer
2. Samuelson, Andren, Seibert
- 3.

1955 (17.6)

1. Hume, Estes, Lahti
2. Norde, Yost, Goodman
3. Ferguson, Eberhard, Dreste

1956 (25.8)

1. Brown, Hershey, Richman
2. Samuelson, Lyman, Barton
3. Reddoch, Bettis, Martin

1957 (20.1)

1. Samuelson, Andrew, Barton, Weems
2. Estes, Diven, Livingwood
3. Creighton, Welch, Reeves

1958 (16.2)

1. Lindsay, Baum, Bettis
2. Hershey, Groth, Moore
3. Edson, Valenti, Ross, Wittenburg

1959 ()

1. Bettis, Lindsay, Martin
- 2.
- 3.

1960 (11.6)

1. Hinsdale, Lange, Porter
2. Kouns, Peterson, Stites
3. Corby, Peterson, Roe

1961 (17.9)

1. Cook, Gabrielson, Jones
2. Cooper, Cranston, Clouse
3. Yost, Goodman, Norde

1962 (12.2)

1. Samuelson, Welch, Kelly
2. Graham, Peterson, LaPrade
3. Groth, Knoob, Grimaila

1963 (16.2)

1. Michel, Barto, Solem
2. Knoob, Groth, Sanneman
3. Yost, Norde, Goodman

1964 (17.38)

1. Kneale, Walker, Glass
2. Knoob, Groth, Sanneman
3. Bremmer, Mayes, Lenas

1965 (16.0)

1. Goodman, Corby, Yost
2. Graham, Bettis, Peterson
3. Sanneman, Groth, Knoob

1966 (12.0)

1. Bettis, Peterson, Graham
2. Schaffner, Zusman, Voorhaar
3. Creede, Cadell, Elbinger

1967 (13.1)

1. Peterson, Rupprecht, Moberly
2. Ford, Wagner, Bensted
3. Porter, Lange, Attwood

1968 (16.6)

1. McBiles, Thomas, Hall
2. Samson, Haentze, Whittaker
3. Diven, Koch, Schwartz

1969 (19.8)

1. Yost, Corby, Eberhard
2. Armstrong, Woodward, Crowell
3. Sanneman, Groth, Knoob

1970 (17.3)

1. Greenburg, McKeown, Takesuye
2. Kline, Post, Knudsen
3. Yost, Corby, Eberhard

1971 (15.65)

1. Crawford, Olson, Prigge
2. Moberly, Peterson, Rupprecht
3. Haentze, Samson, Whittaker

1972 (19.79)

1. Clouse, Larson, Sprik
2. Bensted, Ford, Wagner
3. Bickley, McArtor, Windett

1973 (22.6)

1. Bickley, McArtor, Windett
2. Bliss, Chruma, Caldwell
3. Rugen, Baehr, Bjornholt

1974 (23.5)

1. Bliss, Chruma, Fullerton
2. Haentze, Samson, Whittaker
3. Hochgraef, Kulvinskas, Zveglich

1975 (24.29)

1. Henry, Tatom, Lipinski, Graham
2. Boyd, Gaines, Schaeffer
3. Fitting, Ponce de Leon, Warble

1976 (21.56)

1. Fajen, Kasprzyk, Kozlik
2. Samson, Whittaker, Haentze
3. Rugen, Bjornholt, Flaherty

1977 (18.49)

1. Bjornholt, Flaherty, Rugen
2. Andrews, Evans, Semon
3. Haentze, Samson, Whittaker

1978 (24.75)

1. Hall, John, Weigel
2. Armstrong, Crowell, Woodward
3. Robinson, Eslinger, Youseffi

1979 (20.51)

1. Oney, Furedy, Porterfield, Livingston
2. Hochgraef, Zveglich, Kulvinskas
3. Crowell, Woodward, Armstrong



1980 (24.65)

- 1.Hochgraef, Zveglich, Kulvinskaskas
- 2.Richmond, Somers, Gulseth
- 3.Crowell, Armstrong, Woodward

1981 (18.22)

- 1.Nalette, DeFrancesco, Sewell
- 2.Gulseth, Somers, Richmond
- 3.Brenner, Wunderlich, Kaasik

1982 (18.13)

- 1.Crawford, Olson, Prigge
- 2.Gulseth, Richmond, Somers
- 3.Armstrong, Crowell, Gourley, Woodward

1983 (17.84)

- 1.Bradshaw, Cutler, Wells
- 2.Anderson, Hallen, Richmond
- 3.Knappenberger, Nelson, Shaner

1984 (22.99)

- 1.Bliss, Chruma, Fullerton
- 2.Berghammer, Fah, McGlinchey
- 3.Eymann, Osman, Rendek

1985 (19.10)

- 1.Blair, Knott, Wibergh
- 2.John, Presley, Hall
- 3.Rugen, Bjornholt, Belanger

1986 (20.16)

- 1.Carlton, Coffeen, Golis, Jacobsen, Moller, Rahrig
- 2.Amdahl, Williamson, Zabrowski
- 3.Bibby, Perkins, Stevens

1987 (19.38)

- 1.Hall, John, Presley
- 2.Dillon, Donaldson, Greeson, McGlinchy, Perillo
- 3.Clark, Gieske, O'Bannon

1988 (15.27)

- 1.Eymann, Osman, Rendek, Carleton
- 2.Belanger, Bjornholt, Rugen
- 3.Constable, Filreis, Flanigan, Hunnicutt, Prejs, Schukai

1989 (19.05)

- 1.Constable, Filreis, Flanigan, Hunnicutt, Prejs, Schukai
- 2.Frost, Hulet, Slick, Barry
- 3.Gulseth, Somers, Todd

1990 (13.52)

- 1.Silverthorn, Fahy, Comp
- 2.Davis, Coon, Holm, Suppes
- 3.Nelson, Knappenberger, Dalton

1991 (17.22)

- 1.Albright, Black, Libby
- 2.Gilbert, Schaefer, Tucker, Katzdorn
- 3.Zabrowski, Williamson, Amdahl

1992 (18.83)

- 1.Anselme, Archambeault, Secor, Spencer, Taylor
- 2.Clark, Gieske, O'Bannon
- 3.Davis, Kirchgessner, Peterson, Sundstrom

IEEE TREASURE HUNT  
-----HALL OF FAME-----

PRO BUTTON WINNER (MINUTES/CLUE)

These buttons are awarded to PRO TEAMS which succeed in having the lowest times per clue for a hunt.

1972 (19.64)

Moberly, Peterson, Rupprecht

1973 (20.82)

Bettis, Graham, Peterson

1975 (23.71)

Crawford, Olson, Prigge

1978 (22.96)

Bettis, Graham, Peterson

1979 (20.47)

Windett, McArtor, Bickley

1987 (17.28)

DeFrancesco, Nalette, Sewell

1991 (13.60)

Carlton, Coffeen, Moller, Jacobsen, Rahrig, Cline

1992 (15.32)

Carlton, Coffeen, Moller, Jacobsen, Rahrig, Cline

FORTY-THIRD (yes 43) ANNUAL I.E.E.E.  
TREASURE HUNT

Hints Wise and Otherwise

1. Where Gulliver traveled or travelled to.
2. Keep your heads up.
3. When is a hike not a walk.
6. Down and out
7. Nothing up my sleeve.....
8. ~~Maybe~~ you <sup>must</sup> ~~should~~ spell it out!
- 4 ANNOY.....Like dominos
43. Go to Circle 43 . Don't get turned around!
9. The blank is key.
10. All equalities are indeed true.
11. Bring your Grand piano?
12. 2121 S. Rural Rd., Tempe
13. 5801 S. Rural Rd., Tempe
36. 131 E. 6th St., Tempe
14. When it is NOT 3o'clock, NOT 6 o'clock and NOT 12 o'clock, it IS time to solve a clue.
- 54 hp yp votv;r gptyu yjtrr
16. HINT: Another year older and now wiser.
- ☞☞. ♣□ ♦□ ♠×□♠●♣ ☞☞
18. Mash theme??
15. Pie is not □ !

Howard, Shut Up...

**THIS IS CLUE A. SOLVING THIS CLUE WILL LEAD YOU TO CLUE B.**


This is a visual clue consisting of a sign with the following passage printed on it:


Dear whizzer trick igloo in nigh tee tree  
butt awl ewe hatter dewers lock hate  
avail in tine hard nerdy meddle hove  
theme apt.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE B,  
OPEN EMERGENCY ENVELOPE 8, WHICH WILL DIRECT YOU TO  
CLUE B.**

**THIS IS EMERGENCY SOLUTION 8, WHICH WILL LEAD YOU TO  
CLUE B.**

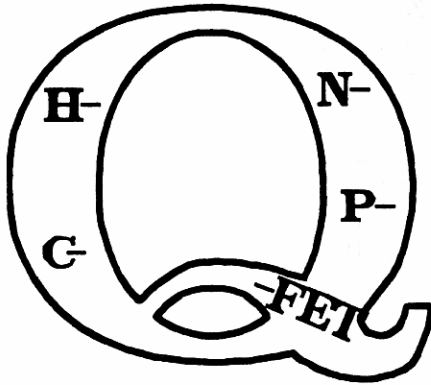
Wow! Whoever wrote this clue either didn't know much English, has the worst spelling in the world, or doesn't know the grammar. We think, though, that if you listen to the sound of the words as you read them, you will hear something like this:

"There was a tricky clue in ninety three, but all you had to do was locate a valentine heart near the middle of the map." So shoot over to the  symbol near the center of the map.

The  is located near the intersection of Dynamite and Scottsdale Roads. From the intersection, proceed west 2.00 miles to 56th Street. Turn south on 56th Street and go 0.39 miles to a dirt road. The cluesite is located 236 feet east and 76 feet north of the dirt road intersection, next to a saguaro cactus which is growing through a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE B, OPEN EMERGENCY  
SOLUTION ENVELOPE 21, WHICH WILL DIRECT YOU TO CLUE C.**

**THIS IS CLUE B. SOLVING THIS CLUE WILL LEAD YOU TO CLUE C.**



This visual clue consists of a large letter "Q" with some smaller letters within it.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE C, OPEN EMERGENCY ENVELOPE 21, WHICH WILL DIRECT YOU TO CLUE C.**

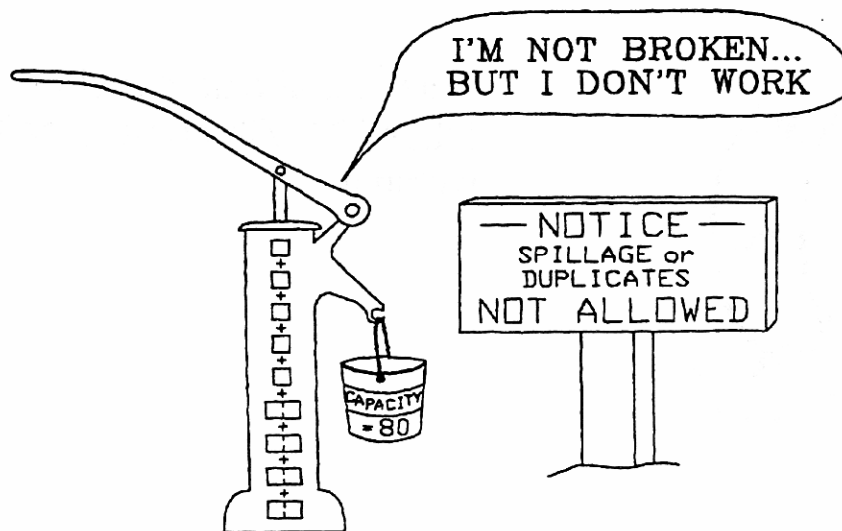
**THIS IS EMERGENCY SOLUTION 21, WHICH WILL LEAD YOU TO CLUE C.**

What we have here is a letter Q made up of various types of MOS (Metal Oxide Semi-conductors) - NMOS, PMOS, CMOS, HMOS, and MOSFET. In short, we have a MOS-Q. All serious THer's who went to the three addresses in the HWOW will remember that HWOW #36 is the address of a MOS-Q, or a mosque. So, if you didn't have a prayer of solving this clue, praise Allah and Rushdie over to Circle 36.

Circle 36 is located near the intersection of Lone Mountain and Hayden Roads. From the intersection, travel south on Hayden Road 0.10 mile to where it ends on a wash at the base of the mountain. Note that the road will have widened into a large circular area before then, but it comes to a point at the wash. The cluesite is 107 feet east along the north side of the large wash, at the base of a large bushy tree.

**IF YOU ARE UNABLE TO LOCATE CLUE C, OPEN EMERGENCY SOLUTION ENVELOPE 13, WHICH WILL DIRECT YOU TO CLUE D.**

**THIS IS CLUE C. SOLVING THIS CLUE WILL LEAD YOU TO CLUE D.**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE D, OPEN EMERGENCY ENVELOPE 13, WHICH WILL DIRECT YOU TO CLUE D.**

**THIS IS EMERGENCY SOLUTION 13, WHICH WILL LEAD YOU TO CLUE D.**

"I'm not broken... but I don't work" ??? The pump must be telling you that it needs to be primed. If you prime the little squirt by filling the empty boxes with the prime numbers 1, 2, 3, 5, 7, 11, 13, 17, and 19 (no duplicates), then do the addition indicated, the solution will spout forth and send you off to Circle 78 without exceeding the capacity of the bucket (no spillage).

Circle 78 is located near the intersection of Pima and Stage Coach Pass Roads. From the intersection, proceed east on Stage Coach Pass Road 1.00 miles until it ends at a barricade. The cluesite is located 66 feet north of the middle of the road, parallel to the barricade.

**IF YOU ARE UNABLE TO LOCATE CLUE D, OPEN EMERGENCY SOLUTION ENVELOPE 2, WHICH WILL DIRECT YOU TO CLUE E.**

**THIS IS CLUE D. SOLVING THIS CLUE WILL LEAD YOU TO CLUE E.**

Can you add it up?

THIS SENTENCE CONTAINS \_\_\_\_\_ T'S, \_\_\_\_\_ E'S,  
AND \_\_\_\_\_ S'S.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE E,  
OPEN EMERGENCY ENVELOPE 2, WHICH WILL DIRECT YOU TO  
CLUE E.**

**THIS IS EMERGENCY SOLUTION 2, WHICH WILL LEAD YOU TO  
CLUE E.**

If you added up the T's, E's, and S's in the sentence (4, 4, & 7), came up with 15, and headed to Circle 15, you got to visit with the Jackass. HWOW #8, however, told you that "you must spell it out." You need to spell out the numbers in the self-referencing sentence to come up with

THIS SENTENCE CONTAINS FIVE T'S, SIX E'S, AND EIGHT S'S.

So, add up the numbers (5, 6, and 8) and head to circle 19.

Circle 19 is located near the intersection of Cave Creek and School House Roads. From the intersection, proceed south on School House Road 0.15 mile to where it intersects with a wash. From there, proceed west along the wash for a distance of 200 feet. The cluesite is 30 feet south of the middle of the wash, next to a mesquite tree.

**IF YOU ARE UNABLE TO LOCATE CLUE E, OPEN EMERGENCY  
SOLUTION ENVELOPE 9, WHICH WILL DIRECT YOU TO CLUE F.**

**THIS IS CLUE E. SOLVING THIS CLUE WILL LEAD YOU TO CLUE F.**

This is a visual clue consisting of the following symbolic equation:

$$\begin{array}{r} 0.21 \text{ O-O} \\ 0.79 \text{ N} \end{array} + \begin{array}{r} \text{NNN} \\ \text{N} \\ \text{N} \\ \text{NNN} \end{array} + \underline{\hspace{2cm}}$$

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE F, OPEN EMERGENCY ENVELOPE 9, WHICH WILL DIRECT YOU TO CLUE F.**

**THIS IS EMERGENCY SOLUTION 9, WHICH WILL LEAD YOU TO CLUE F.**

To solve this equation, make the following substitutions:

$$\begin{array}{r} 0.21 \text{ O-O} \\ 0.79 \text{ N} \end{array} + \begin{array}{r} \text{NNN} \\ \text{N} \\ \text{N} \\ \text{NNN} \end{array} + \underline{\hspace{2cm}}$$

(21% O<sub>2</sub>+ 79% N =) Air + NI + key (from HWOW #9) = Air Nike

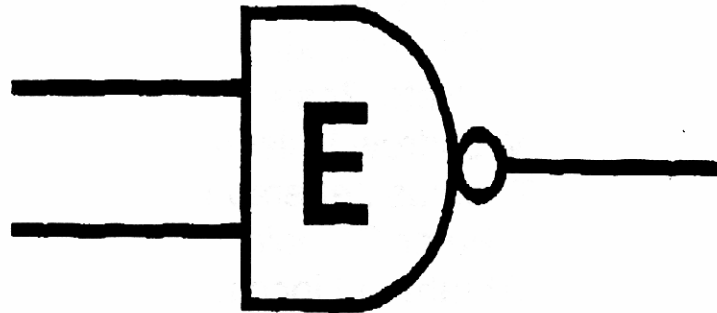
This is, of course, a reference to the million \$ sneakers made famous with sports super star's endorsements and the slogan "Just Do It". So hop on over to Circle \$ on JustDoIt St.

Circle \$ is located near the intersection of 52nd Street and Cave Creek Road. From the intersection, proceed south on 52nd Street 0.25 mile to where it intersects with another dirt road entering from the west. The cluesite is located 80 feet east of the intersection, under a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE F, OPEN EMERGENCY SOLUTION ENVELOPE 3, WHICH WILL DIRECT YOU TO CLUE G.**



**THIS IS CLUE F. SOLVING THIS CLUE WILL LEAD YOU TO CLUE G.**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE G, OPEN EMERGENCY ENVELOPE 3, WHICH WILL DIRECT YOU TO CLUE G.**

**THIS IS EMERGENCY SOLUTION 3, WHICH WILL LEAD YOU TO CLUE G.**

At first glance, this appears to be a NAND gate. But look closely, it's actually a "NAND-E gate." A successful TH'er will recognize the reference to "Nanny Gate," where our new administration took not one, not two, but three tries to nominate an acceptable Attorney General. You're on the right track if you go to Circle AG, near the corner of Janet Reno Road and Nothing-to-Hide Way.

Circle AG is located near the intersection of Tatum Blvd and Cave Creek Road. From the intersection, drive west on Tatum 0.30 mile until the road turns north. Walk south on the dirt road along the fence for a distance of 200 feet. The cluesite is 45 feet east of that point, under a tree.

**IF YOU ARE UNABLE TO LOCATE CLUE G, OPEN EMERGENCY SOLUTION ENVELOPE 20, WHICH WILL DIRECT YOU TO CLUE H.**

**THIS IS CLUE G. SOLVING THIS CLUE WILL LEAD YOU TO CLUE H.**

Sean Connery  
Kurt Vonnegut  
Ben Franklin  
Pete Rose  
Woodrow Wilson  
Thomas Jefferson  
Peter O'Toole  
Abraham Lincoln  
Pete Rozelle  
Ernest Hemingway

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE H,  
OPEN EMERGENCY ENVELOPE 20, WHICH WILL DIRECT YOU TO  
CLUE H.**

**THIS IS EMERGENCY SOLUTION 20, WHICH WILL LEAD YOU TO  
CLUE H.**

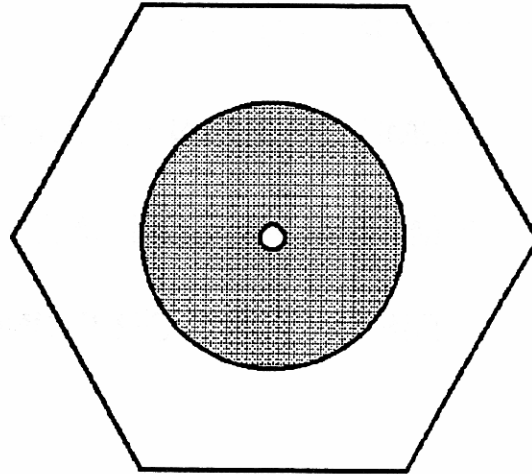
What's the common thread? None...except that there are three "Pete's"... just what 'Da Bulls' did to our beloved Suns in the NBA championship - 3-peated in 6 games. Proceed to Circle 3 near Vanquished Vale and Magic Mile, Clyde Lane, and Charles Court.

Circle 3 is located near the intersection of Happy Valley Road and 19th Avenue. From the intersection, proceed east on Happy Valley 1.50 miles to a dirt road angling south-southeast. Proceed south-southeast on the dirt road for 250 feet. The cluesite is located 198 feet west of the road near a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE H, OPEN EMERGENCY  
SOLUTION ENVELOPE 10, WHICH WILL DIRECT YOU TO CLUE I.**

**THIS IS CLUE H. SOLVING THIS CLUE WILL LEAD YOU TO CLUE I.**

This is a visual clue consisting of a compact disc, shiny side up, in the middle of a hexagon.



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE I, OPEN EMERGENCY ENVELOPE 10, WHICH WILL DIRECT YOU TO CLUE I.**

**THIS IS EMERGENCY SOLUTION 10, WHICH WILL LEAD YOU TO CLUE I.**

This visual clue consists of a compact disk (CD for short) inside a hexagon. In other words, CD in hex(adecimal) equates to 205 in decimal. So go on around to Circle 205 for the next clue.

Circle 205 is located near the intersection of Central Avenue and Deer Valley Road. From the intersection, proceed south on Central for 0.25 mile to where the road ends at a barricade. The cluesite is located 111 feet south and 35 feet west of the center of the barricade, near a telephone pole.

**IF YOU ARE UNABLE TO LOCATE CLUE I, OPEN EMERGENCY SOLUTION ENVELOPE 6, WHICH WILL DIRECT YOU TO CLUE J.**

**THIS IS CLUE I. SOLVING THIS CLUE WILL LEAD YOU TO CLUE J.**

TO TRY TO EFFECT


HOME OF JUAN VALDEZ

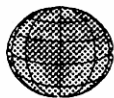
A MYTHICAL CONTINENT

A DISCLOSING OR BRINGING TO LIGHT

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE J,  
OPEN EMERGENCY ENVELOPE 6, WHICH WILL DIRECT YOU TO  
CLUE J.**

**THIS IS EMERGENCY SOLUTION 6, WHICH WILL LEAD YOU TO  
CLUE J.**

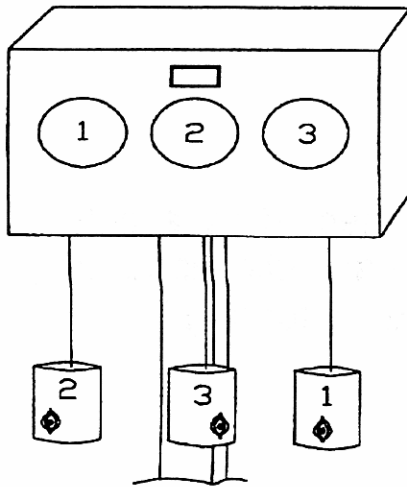
This is a list of definitions for Endeavor, Columbia, Atlantis, and Discovery, the fleet of space shuttles that circle the Earth. So fly on over to  located at N. Asa St.



is located near the intersection of 32nd Street and Beardsley Road. The cluesite is located 550 feet east of the intersection, just beyond the second power pole east of 32nd Street.

**IF YOU ARE UNABLE TO LOCATE CLUE J, OPEN EMERGENCY  
SOLUTION ENVELOPE 1, WHICH WILL DIRECT YOU TO CLUE K.**

**THIS IS CLUE J. SOLVING THIS CLUE WILL LEAD YOU TO CLUE K.**



This clue consists of a box with three recessed holes numbered 1, 2, & 3. Three wooden pegs, also numbered 1, 2, & 3, are attached to the box. Each peg has a single knot in the wood. There is also a small LED display on the box.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE K, OPEN EMERGENCY ENVELOPE 1, WHICH WILL DIRECT YOU TO CLUE K.**

**THIS IS EMERGENCY SOLUTION 1, WHICH WILL LEAD YOU TO CLUE K.**

By merely placing the numbered pegs into the corresponding numbered holes ... nothing is likely to happen. But, if you heeded HWOW #14 by aligning the nots (sic) on the pegs at the 3 o'clock, 6 o'clock, and 12 o'clock positions, the symbol 81 appears in the little window. Drive on over to Circle 81 before the clock runs out on you.

Circle 81 is located near the intersection of 12th Street and Beardsley Road. From the intersection, proceed west on Beardsley for 50 or 75 feet to either of the the two entrances to the power line road. Go north on the power line road 200 feet. The cluesite is located 185 feet east of the road (or 62 feet east of the first pole), behind a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE K, OPEN EMERGENCY SOLUTION ENVELOPE 16, WHICH WILL DIRECT YOU TO CLUE L.**

**THIS IS CLUE K. SOLVING THIS CLUE WILL LEAD YOU TO CLUE L.**

A small pulley 6 cm. in diameter is connected by a belt to a larger pulley 15 cm. in diameter. The small pulley is turning at 120 rpm. How many rpm is the larger pulley turning?

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE L, OPEN EMERGENCY ENVELOPE 16, WHICH WILL DIRECT YOU TO**

**THIS IS EMERGENCY SOLUTION 16, WHICH WILL LEAD YOU TO CLUE L.**

Since the circumference of a circle is  $\pi D$ , where  $D$  is the diameter, the belt moves at  $120 \times \pi \times 6$  cm/min =  $720\pi$  cm/min. Dividing by the circumference of the larger pulley yields  $\frac{720\pi \text{ cm/min}}{15\pi \text{ cm}} = 48$  rpm.

$15\pi \text{ cm}$

Quit spinning your wheels and head to circle 48.

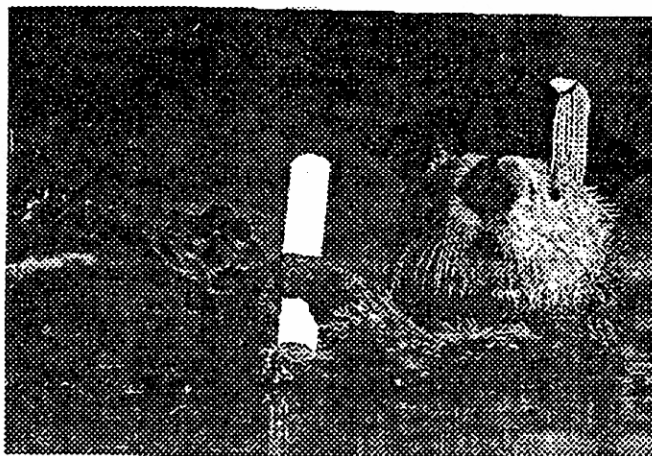
Circle 48 is located near the intersection of Pinnacle Peak and Cave Creek Roads. From the intersection, proceed northeast on Cave Creek Road 0.85 mile. Turn west under the power lines, proceed 400 feet to the first set of towers, and then follow the southernmost line southwest for 0.10 mile to the first tower. The cluesite is located a further 123 feet down the power line, and 55 feet to the west, under a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE L, OPEN EMERGENCY SOLUTION ENVELOPE 25, WHICH WILL DIRECT YOU TO CLUE M.**

**THIS IS CLUE L. SOLVING THIS CLUE WILL LEAD YOU TO CLUE M.**

This is a visual clue consisting of the following pictures:

**92**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE M, OPEN EMERGENCY ENVELOPE 25, WHICH WILL DIRECT YOU TO CLUE M.**

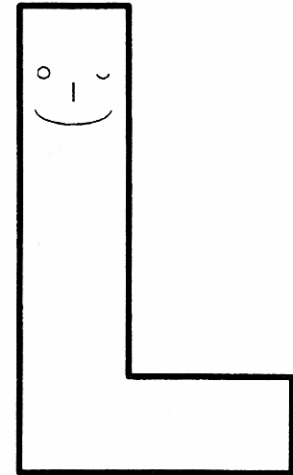
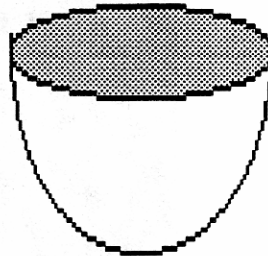
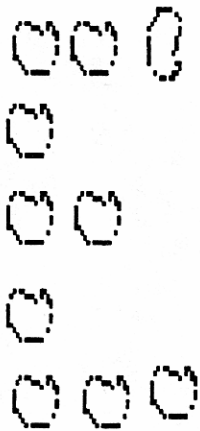
**THIS IS EMERGENCY SOLUTION 25, WHICH WILL LEAD YOU TO CLUE M.**

This is a picture of "Heinz Y's" and "Otter wise" #92 or '92 Hints Wise and Otherwise. HWOW #16, "A year older and now wiser", suggests that the successful TH'er should have brought a copy of last year's HWOW with them this year. (Don't fret, rookie teams were given a copy of last year's HWOW in order to piece this clue together.) Last year's HWOW #16 ("You load sixteen hints, what do you get? Another year later it'll be a good bet.") refers to this year. Go to circle 16 without looking back.

Circle 16 is located near the intersection of Cave Creek Road and 48th Street. From the intersection, proceed north 0.20 mile on 48th Street to an intersection with a dirt road. Turn east on the dirt road and proceed in that direction 170 feet. The cluesite is located 52 feet to the south behind a tree.

**IF YOU ARE UNABLE TO LOCATE CLUE M, OPEN EMERGENCY SOLUTION ENVELOPE 4, WHICH WILL DIRECT YOU TO CLUE N.**

**THIS IS CLUE M. SOLVING THIS CLUE WILL LEAD YOU TO CLUE N.**  
This is a visual clue consisting of rocks forming a letter 'E', a bowl, and a winking 'L'.



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE N,  
OPEN EMERGENCY ENVELOPE 4, WHICH WILL DIRECT YOU TO  
CLUE N.**

**THIS IS EMERGENCY SOLUTION 4, WHICH WILL LEAD YOU TO  
CLUE N.**

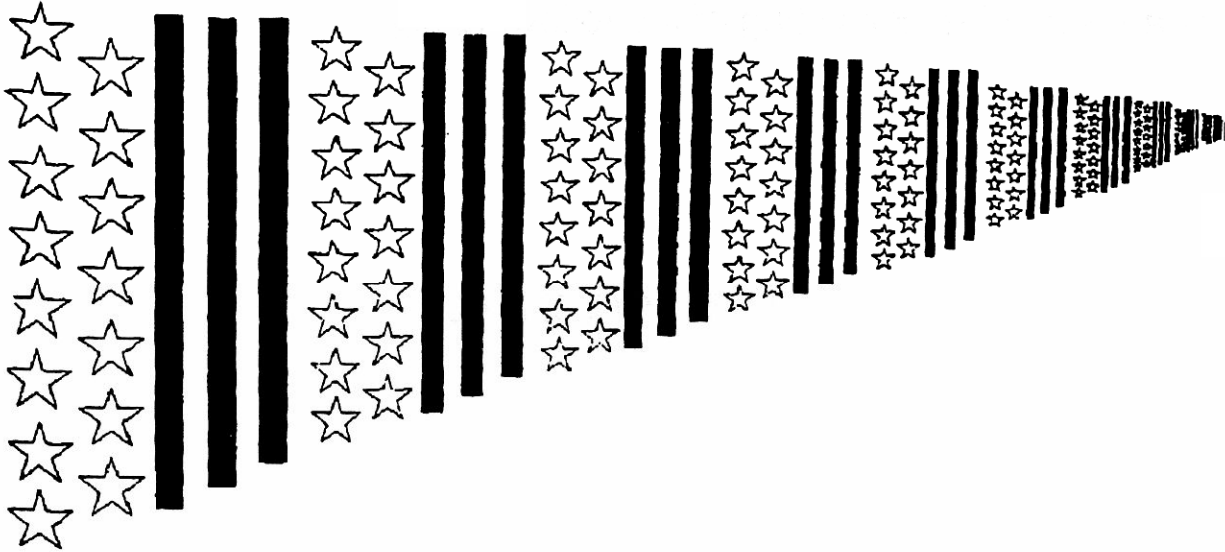
It's not a Stone-E, it's a Rock-E. A cereal bowl is next. The last piece is a winking letter L, or a wink - L. Together, they make up ROCK-E and BOWL WINK-L or Rocky and Bullwinkle, the cartoon duo. According to the TV listing in your brown bag, Bullwinkle airs on Nickelodeon so fly on over to Circle NICK.

Circle NICK is located near the intersection of Cloud Road and 7th Avenue. From the intersection, proceed west on Cloud Road 0.30 mile to 11th Avenue. Proceed south on 11th Avenue 0.50 mile to where it intersects with Galvin. At this point, 11th Avenue becomes 12th Avenue and goes southwest. The cluesite is located 170 feet south and 50 feet east of the intersection, behind a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE N, OPEN EMERGENCY  
SOLUTION ENVELOPE 7, WHICH WILL DIRECT YOU TO CLUE O.**



**THIS IS CLUE N. SOLVING THIS CLUE WILL LEAD YOU TO CLUE O.**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE O,  
OPEN EMERGENCY ENVELOPE 7, WHICH WILL DIRECT YOU TO  
CLUE O.**

**THIS IS EMERGENCY SOLUTION 7, WHICH WILL LEAD YOU TO  
CLUE O.**

This series of stars and stripes appears to be infinite. What else could it be but "Stars and Stripes Forever," written by the March King himself, John Philip Sousa. So march on over to Circle 13, located on Sousa Street.

Circle 13 is located near the intersection of Desert Hills and 7th Avenue. Proceed west on Desert Hills 0.55 mile to 15th Avenue. Immediately west of 15th Avenue (about 195 feet) is a large wash. Proceed south down the wash for 500 feet. Please **DO NOT DRIVE** in this wash, as it is impassable to 4-wheeled vehicles. The cluesite is set back 30 feet from the west bank of the wash, under a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE O, OPEN EMERGENCY  
SOLUTION ENVELOPE 26, WHICH WILL DIRECT YOU TO CLUE P.**

**THIS IS CLUE O. SOLVING THIS CLUE WILL LEAD YOU TO CLUE P.**

This is a visual clue consisting of the following sign:

**GO TO CIRCLE 43.**

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE P,  
OPEN EMERGENCY ENVELOPE 26, WHICH WILL DIRECT YOU TO  
CLUE P.**

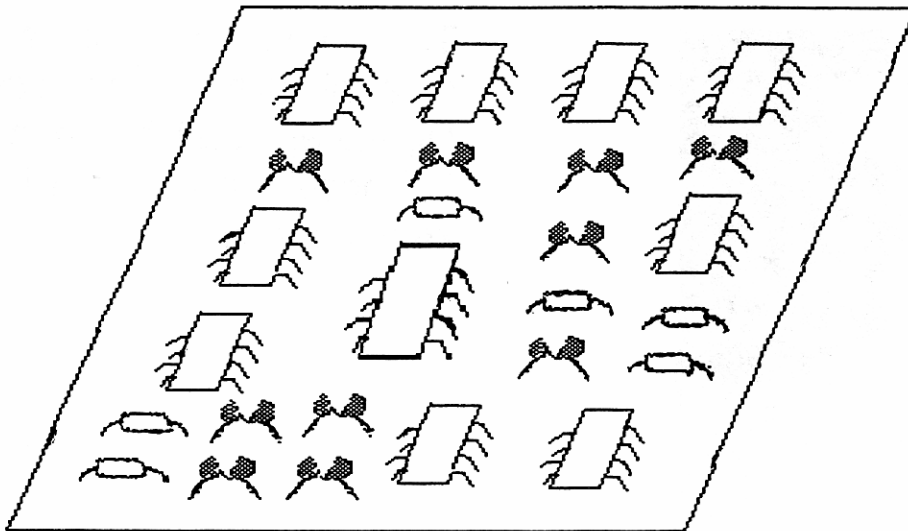
**THIS IS EMERGENCY SOLUTION 26, WHICH WILL LEAD YOU TO  
CLUE P.**

This clue is for all of you hunters who can't follow simple directions. HWOW # 43 says "Go to Circle 43. Don't get turned around!" If you did get turned around and went to Circle 34, we probably took your picture with the jackass. But, there really is no trick to this clue if you can get past the fact that Circle 43 is located at Donkey Drive and Ass Avenue. (We promise not to take your picture here).

Circle 43 is located near the intersection of Joy Ranch Road and 24th Street. At the stop sign, go north approximately 1.45 miles to another stop sign. Turn east onto a dirt road and proceed 0.30 mile to a wash. Proceed south down the wash 112 feet. The cluesite is on the west side of the wash under a large, spreading acacia tree.

**IF YOU ARE UNABLE TO LOCATE CLUE P, OPEN EMERGENCY  
SOLUTION ENVELOPE 24, WHICH WILL DIRECT YOU TO CLUE Q.**

**THIS IS CLUE P. SOLVING THIS CLUE WILL LEAD YOU TO CLUE Q.**



This is a visual clue consisting of a circuit board on which all of the capacitors have been cut in half.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE Q, OPEN EMERGENCY ENVELOPE 24, WHICH WILL DIRECT YOU TO CLUE Q.**

**THIS IS EMERGENCY SOLUTION 24, WHICH WILL LEAD YOU TO CLUE Q.**

This circuit has not only been disabled, it has been incapacitated. According to the Dial-A-Doctor Quick Reference sheet found in the brown bag, if you are incapacitated, you should press 3, then 2. So bypass the medical bills and proceed to circle 32.

Circle 32 is located near the intersection of Cloud Road and 32nd Street. Proceed north on 32nd Street for 0.30 mile. Turn northeast onto a narrow dirt road and travel another 0.20 mile to an intersection with another dirt road entering from the west. The cluesite is next to a tall, solitary saguaro cactus, just southwest of the intersection.

**IF YOU ARE UNABLE TO LOCATE CLUE Q, OPEN EMERGENCY SOLUTION ENVELOPE 17, WHICH WILL DIRECT YOU TO CLUE R.**

**THIS IS CLUE Q. SOLVING THIS CLUE WILL LEAD YOU TO CLUE R.**



This visual clue consists of a picture of Princess Di, except that her nose is "loose" and cannot be kept in place.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE R, OPEN EMERGENCY ENVELOPE 17, WHICH WILL DIRECT YOU TO CLUE R.**

**THIS IS EMERGENCY SOLUTION 17, WHICH WILL LEAD YOU TO CLUE R.**

Every TH'er will recognize a picture of Princess Di, but what's the matter with her nose? Di's nose doesn't want to stay in place, so what we have is a loose Di nose, or loose dinos. The loose dinos this year were in Jurassic Park, Steven Spielberg's summer blockbuster. So lumber on over to Circle BC, near the corner of Jurassic Lane and Park Ave.

Circle BC is located near the intersection of Cave Creek and Lone Mountain Roads. From the intersection, travel east 1.40 miles to a dirt road going northeast. Travel northeast along the dirt road 0.10 mile to an intersection with two other dirt roads entering from the south. Continue travelling northeast another 0.05 mile to a wide spot. The cluesite is 100 feet north of the road, under a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE R, OPEN EMERGENCY SOLUTION ENVELOPE 5, WHICH WILL DIRECT YOU TO CLUE S.**

**THIS IS CLUE R. SOLVING THIS CLUE WILL LEAD YOU TO CLUE S.**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE S, OPEN EMERGENCY ENVELOPE 5, WHICH WILL DIRECT YOU TO CLUE S.**

**THIS IS EMERGENCY SOLUTION 5, WHICH WILL LEAD YOU TO CLUE S.**

Well-rounded hunters will recognize this melody as the theme from the game show, Jeopardy. Since Jeopardy is a form of danger, cautiously approach the DANGER sign at Circle J on Trebek Ave.

Circle J is located near the corner of Dynamite (Rio Verde) and Pima Roads. From the intersection, proceed east on Dynamite 0.60 mile to 93rd Street. Turn north on 93rd Street and proceed 0.55 mile to a barricade at the corner of 93rd Street and Troon North. The cluesite is located 35 feet north of the middle of the barricade, behind a mesquite tree.

**IF YOU ARE UNABLE TO LOCATE CLUE S, OPEN EMERGENCY SOLUTION ENVELOPE 11, WHICH WILL DIRECT YOU TO CLUE T.**

**THIS IS CLUE S. SOLVING THIS CLUE WILL LEAD YOU TO CLUE T.**

oolong  
shirt  
spoon  
golf  
cup  
party

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE T,  
OPEN EMERGENCY ENVELOPE 11, WHICH WILL DIRECT YOU TO  
CLUE T.**

**THIS IS EMERGENCY SOLUTION 11, WHICH WILL LEAD YOU TO  
CLUE T.**

There are six T's in this clue: oolong tea, tee shirt, teaspoon, golf tee, teacup, and tea party. It is foretold in the 'T' leaves that you must drive on over to Circle 60 for your next clue.

Circle 60 is located near the corner of Rio Verde Road and 136th Street. Proceed north on 136th Street 0.50 mile to the intersection with Dale Road. The cluesite is located 45 feet southwest of the middle of the intersection, behind a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE T, OPEN EMERGENCY  
SOLUTION ENVELOPE 22, WHICH WILL DIRECT YOU TO CLUE U.**

**THIS IS CLUE T. SOLVING THIS CLUE WILL LEAD YOU TO CLUE U.**

The Wizard has decreed that henceforth the IEEE Treasure Hunt may only be held when October 23 falls on a Saturday.

Additionally, future hunts are banned after the year 2025. Every avid TH'er can quickly determine how many future opportunities await.

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE U, OPEN EMERGENCY ENVELOPE 22, WHICH WILL DIRECT YOU TO CLUE U.**

**THIS IS EMERGENCY SOLUTION 22, WHICH WILL LEAD YOU TO CLUE U.**

Future hunts may be held in the years 1999, 2004, 2010 and 2021. Check the reference calendar on the next to the last page of the US West Phoenix White Pages if in doubt. But there is no time to waste with this year's hunt - find Circle 4 and don't lament. The TH committee has vetoed the wizard's proclamation.

Circle 4 is located near the intersection of 128th Street and Rio Verde. From the intersection, proceed south on 128th Street 1.00 mile to Jomax. The cluesite is located 210 feet south and 57 feet east of the intersection behind a palo verde tree.

**IF YOU ARE UNABLE TO LOCATE CLUE U, OPEN EMERGENCY SOLUTION ENVELOPE 19, WHICH WILL DIRECT YOU TO CLUE V.**

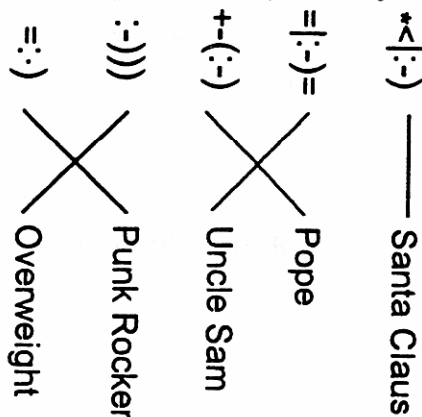
**THIS IS CLUE U. SOLVING THIS CLUE WILL LEAD YOU TO CLUE V.**

*< :-)	Santa Claus
= :-)=	Pope
+-(:-)	Uncle Sam
:~)))	Punk Rocker
=:~)	Overweight

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE V, OPEN EMERGENCY ENVELOPE 19, WHICH WILL DIRECT YOU TO CLUE V.**

**THIS IS EMERGENCY SOLUTION 19, WHICH WILL LEAD YOU TO CLUE V.**

HWOW #2 told you to keep your heads up - if you heeded this advice and turned each of the symbols up they represent heads that can easily be matched to their appropriate definitions. Matching the computer symbols to their description yields XXI or 21!



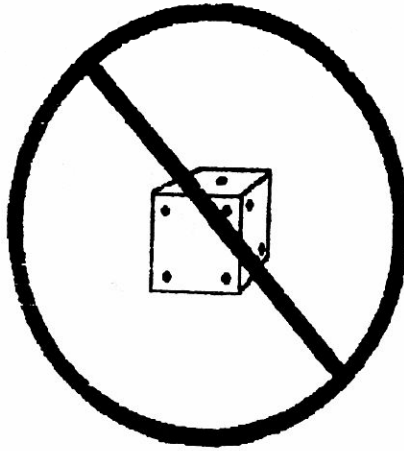
Circle 21 is located near the intersection of North Alma School Parkway and Rio Verde. From the intersection, proceed south on North Alma School Parkway 0.45 mile to a dirt road going west. Travel west on the dirt road 0.20 mile to a "T" intersection with a wide dirt road going south. The cluesite is located 19 feet north of this intersection behind a mesquite tree.

**IF YOU ARE UNABLE TO LOCATE CLUE V, OPEN EMERGENCY SOLUTION ENVELOPE 12, WHICH WILL DIRECT YOU TO CLUE W.**



**THIS IS CLUE V. SOLVING THIS CLUE WILL LEAD YOU TO CLUE W.**

This is a visual clue consisting of a purple die covered by the international symbol for "no".



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE W, OPEN EMERGENCY ENVELOPE 12, WHICH WILL DIRECT YOU TO CLUE W.**

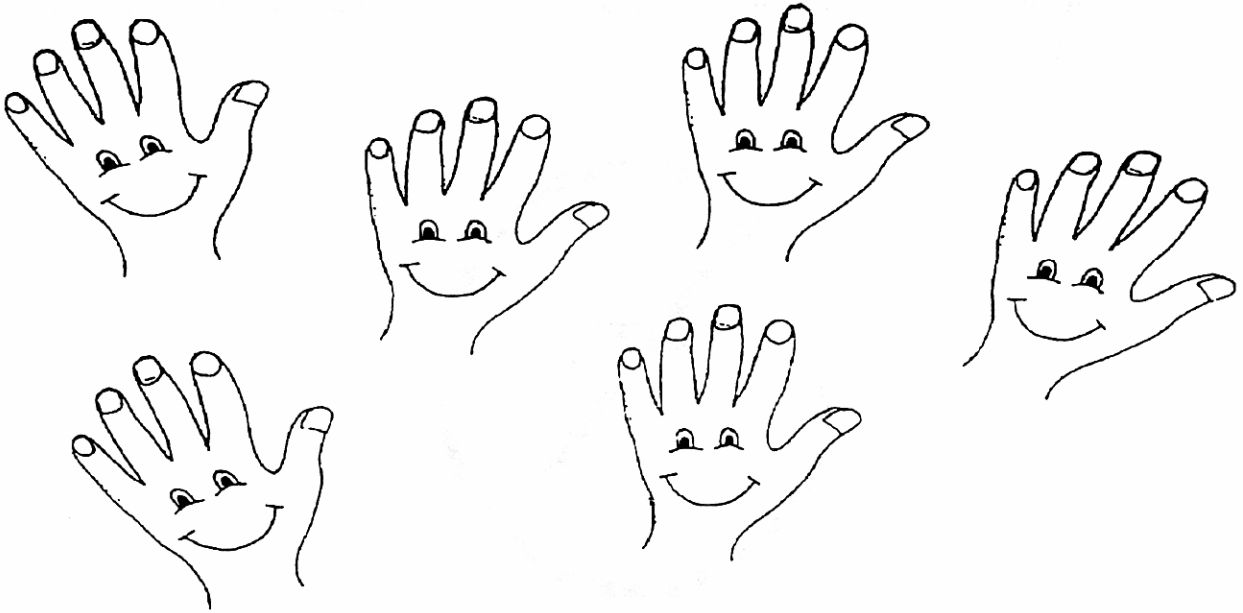
**THIS IS EMERGENCY SOLUTION 12, WHICH WILL LEAD YOU TO CLUE W.**

This is a "purple die no", or purple dino, also known by many as Barney, a character on PBS weekday mornings. Rush on over to Bar Blvd. and Knee Lane located at Circle 8.

Circle 8 is located near the intersection of Pima and Pinnacle Peak Roads. From the intersection, proceed east on Pinnacle Peak Road 1.85 miles to Pinnacle Court. From Pinnacle Court, travel another 0.45 mile east on Pinnacle Peak to a "T" intersection with a paved road going south. Turn south on the road and go 0.05 mile to where it turns east and dead-ends. The cluesite is located right where the pavement ends behind a fire hydrant.

**IF YOU ARE UNABLE TO LOCATE CLUE W, OPEN EMERGENCY SOLUTION ENVELOPE 14, WHICH WILL DIRECT YOU TO CLUE X.**

**THIS IS CLUE W. SOLVING THIS CLUE WILL LEAD YOU TO CLUE X.**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE X, OPEN EMERGENCY ENVELOPE 14, WHICH WILL DIRECT YOU TO CLUE X.**

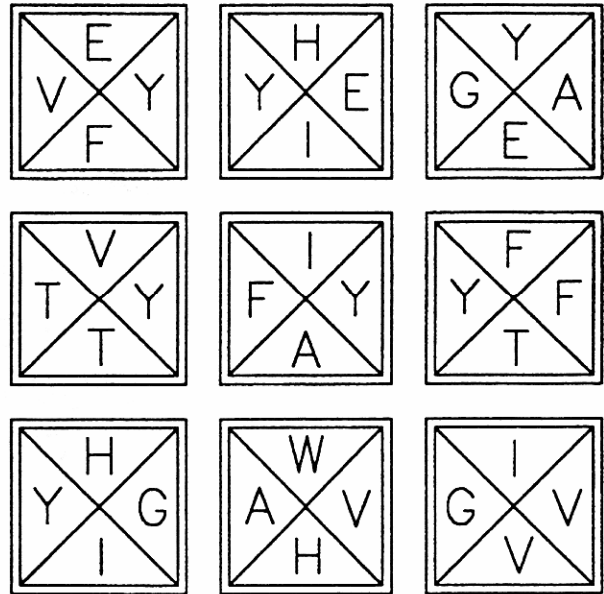
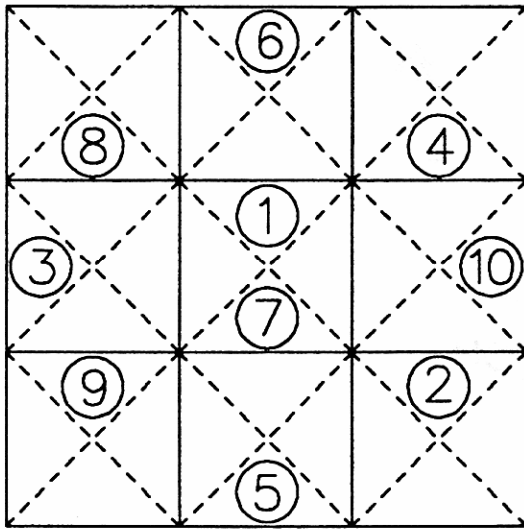
**THIS IS EMERGENCY SOLUTION 14, WHICH WILL LEAD YOU TO CLUE X.**

These are happy, or gay, hands - but all "lefts". What's missing are the "rights" or, in other words, "no gay rights". This is a reference to the Department of Defense's new policy concerning gays in the military. Don't be left out, proceed to Circle DoD at the intersection of Dontask Street and Dontell Place.

Circle DoD is located near the intersection of Pima Road and Union Hills Drive. From the intersection, proceed south 0.50 mile to Princess Road. Proceed west-southwest on Princess Road 0.40 mile to Perimeter Drive. Travel northeast on Perimeter Drive 0.10 mile to St. John Road. Proceed east on St. John Road, turning north onto 85th Street when the road curves. Proceed north on 85th Street 230 feet, until you are next to a NO PARKING sign on the west side of the road. Proceed west 140 feet down a wash whose entrance is partially hidden behind a berm. The cluesite is 22 feet north of the wash, next to a creosote bush.

**IF YOU ARE UNABLE TO LOCATE CLUE X, OPEN EMERGENCY SOLUTION ENVELOPE 23, WHICH WILL DIRECT YOU TO CLUE Y.**

**THIS IS CLUE X. SOLVING THIS CLUE WILL LEAD YOU TO CLUE Y.**

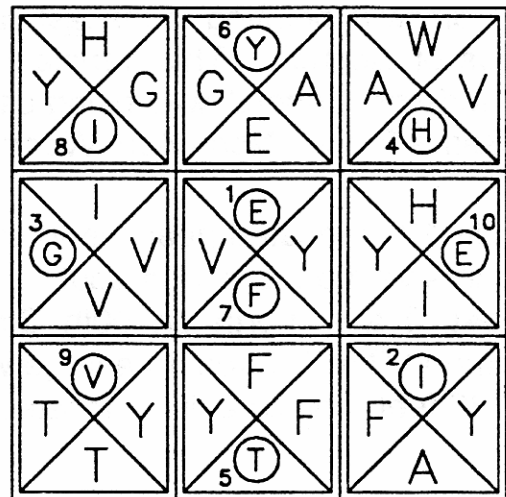


**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE Y, OPEN EMERGENCY ENVELOPE 23, WHICH WILL DIRECT YOU TO CLUE Y.**

**THIS IS EMERGENCY SOLUTION 23, WHICH WILL LEAD YOU TO CLUE Y.**

As hinted in HWOW #4, solving this Tetravex puzzle requires arranging the tiles like dominos. After doing so, placing the circled letters in the sequence indicted yields EIGHTY FIVE. Obviously, Circle 85 is the place to be.

Circle 85 is located near the intersection of Happy Valley and Hayden Roads. From the intersection, proceed west 0.20 mile. As you travel, pass several large washes and stop 70 feet west of a small wash. The cluesite is located 60 feet due south, between 2 palo verde trees.

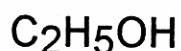
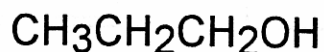
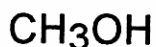


**IF YOU ARE UNABLE TO LOCATE CLUE Y, OPEN EMERGENCY SOLUTION ENVELOPE 15, WHICH WILL DIRECT YOU TO CLUE Z.**

**THIS IS CLUE Y. SOLVING THIS CLUE WILL LEAD YOU TO CLUE Z.**



**CALL CALL CALL**



**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE Z, OPEN EMERGENCY ENVELOPE 15, WHICH WILL DIRECT YOU TO CLUE Z.**

**THIS IS EMERGENCY SOLUTION 15, WHICH WILL LEAD YOU TO CLUE Z.**

The arrow is pointing to the last call and there are four chemical symbols for different types of alcohol. This translates to last call for alcohol, which was what the last episode of "Cheers" was being called. So weave your way over to Circle 12 located at Sam's Place, Norm Ave, Woody Way, etc....

Circle 12 is located near the intersection of Pima and Pinnacle Peak Roads. From the intersection, proceed south 2.55 miles to Haulapai, then east 0.20 mile to 90th Street. Travel north on 90th Street 0.20 mile to Diamond Rim. Travel east on Diamond Rim 133 feet to a large wash. Proceed south down the wash for a distance of 139 feet. The cluesite is located 16 feet west of the wash, under a large tree.

**IF YOU ARE UNABLE TO LOCATE CLUE Z, OPEN EMERGENCY SOLUTION ENVELOPE 18, WHICH WILL DIRECT YOU TO CLUE A.**

**THIS IS CLUE Z. SOLVING THIS CLUE WILL LEAD YOU TO CLUE A.**

$$5x^3 - y^2 + 92 - k/2 = 93 + x^3 - k + 3y^2 + x^3 - 4y^2 + k/2 + 3x^3$$

**IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE A, OPEN EMERGENCY ENVELOPE 18, WHICH WILL DIRECT YOU TO CLUE A.**

**THIS IS EMERGENCY SOLUTION 18, WHICH WILL LEAD YOU TO CLUE A.**

Simplifying the equation yields the incongruous statement: **92 = 93**

How can this be true? As HWOW #10 indicates, all equalities are indeed true. Examining the map reveals that at Circle 101, 92nd St. becomes 93rd St. So, if it's all the same to you, hurry on over to Circle 101.

Circle 101 is located near the intersection of Pima and Pinnacle Peak Roads. From the intersection, proceed east on Pinnacle Peak Road 0.45 miles to 92nd/93rd Streets. Travel north on 92nd Street 0.15 miles to a "T" intersection with a paved road running east. The cluesite is located 119 feet west of this intersection behind a tree.

**IF YOU ARE UNABLE TO LOCATE CLUE A, OPEN EMERGENCY SOLUTION ENVELOPE 8, WHICH WILL DIRECT YOU TO CLUE B.**