

The 29th Annual IEEE Treasure Hunt November 3, 1979

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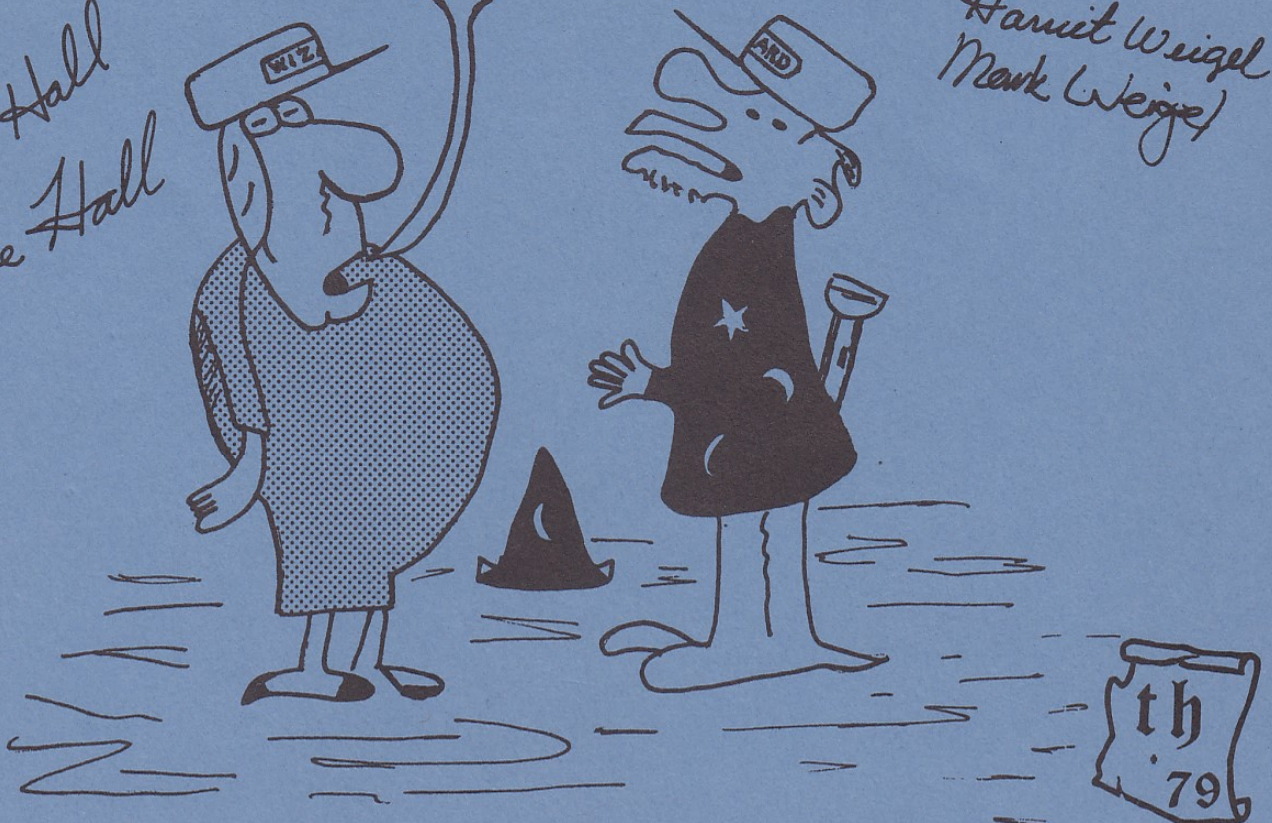
Tom Rugen
Paula Rugen

NOW LOOK WHAT YOU'VE DONE!

WE WERE SUPPOSED TO HAVE COME IN SECOND!

Kristy Hall
Dave Hall

Harriet Weigel
Mark Weigel



1979 marks the 29th year of the IEEE Treasure Hunt in the Valley. The prizes awarded 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 possession 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.

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.

Of course, eligible hunters who chose not to be declared "professional" for a 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 28 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.

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, Drete
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, Drete

1956 (25.8)

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

1957 (20.1)

1. Samuelson, Andrew, Barton, Weems
2. Estes, Diven, Livingood
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 (11.60)

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, La Prade
3. Groth, Knoob, Grimaila

1963 (16.2)

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

1964 (17.4)

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, Takesuya
2. Kline, Post, Knudsen
3. Yost, Corby, Eberhard

IEEE TREASURE HUNT
***** HALL OF FAME *****
WINNER (MINUTES/CLUE)

1971 (15.65)

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

1972 (19.79)

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

1973 (22.60)

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

1974 (22.51)

1. Bliss, Chruma, Fullerton
2. Haentze, Samson, Whittaker
3. Hochgraef, Kulvinksas, 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, Youssefi

***** PRO-BUTTON WINNERS *****

***** HALL OF FAME *****

THESE BUTTONS ARE AWARDED TO PRO TEAMS WHICH SUCCEED IN HAVING
THE LOWEST TIME 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

HINTS WISE AND OTHERWISE

1. Scientific calculators are nice.
2. Silence is golden.
3. Keep your eyes on your fries!
4. Anita Bryant loves fruits.
5. Don't let us pull the wool over your eyes!
6. Watch out for poisonous snakes!
7. I used to use Scope.
8. Don't do as the Romans did.
9. God blesses you--where ever she is!
10. 7-11
11. Keebler elves
12. Leggs
13. OH! AH! WHO!
14. Salt is bad for you!
15. Proceed by cm.
16. Read the IEEE magazine.
17. A M F M S O B
18. You light up my life.
19. We do it all for you!
20. You've come a long way, baby!
21. Butterflies are free.
22. Four functions are not enough!
23. We do it your way.
24. AL_2O_3
25. It's what you do, not how you do it.
26. Nuts to you.

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

A disgruntled treasure hunter was heard to say:

"I'm so mad about these clues. Just wait until I talk to the TH committee. I can't wait to hear what they have to say about these. They can't get away with this. The sooner I talk to them the better. This is ridiculous.

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

THIS IS EMERGENCY SOLUTION 3, WHICH WILL DIRECT YOU TO CLUE B.

So you can't wait to talk to the committee! Well, just call them! The phone number is on the map, so call and you will be told to go to Circle 32.

Go to Circle 32. The clue is located near Bell Road at 7th Street. Go 0.13 miles south of Bell on 7th St., to a dirt trail just south of a power pole. Go 194 feet east on the dirt trail, where it will intersect another dirt trail. Go 280 feet south to a Palo Verde tree on the west side of the trail. The clue is behind the tree.

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

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



Clue B was a visual clue consisting of a hot dog in a beer mug.

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

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

This clue was a visual consisting of a hot dog (or frankfurter) in a beer mug (or stein). With Halloween fresh in mind, the astute hunter will head for the hiding place of FRANK-IN-STEIN, at Circle 47, near Monsterous Wash.

Go to Circle 47. The clue is near Thunderbird Road between 7th and 18th Streets. Go 0.8 miles west of 18th Street on Thunderbird. Look for the corner of a fence on the south side of Thunderbird. From the corner of the fence, walk 150 feet southwest along the fence, to a deep wash. The clue is located on the north bank of the wash, 25 feet east of the fence, under a catclaw tree.

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

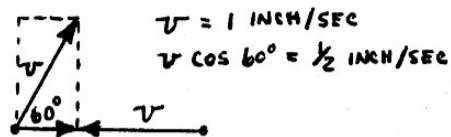
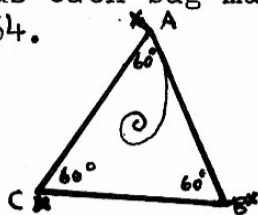
This is Clue C. Solving this clue will direct you to Clue D.

Three bugs are placed on a flat surface with no obstructions, each bug exactly eight feet away from the other two bugs. The bugs are trained so that bug A always follows bug B, bug B always follows bug C, and bug C always follows bug A. Each bug travels at a speed of one inch per second. At $t=0$, the bugs start out from their initial positions. How many inches does each bug travel before they catch each other?

If you are unable to solve this clue or to find Clue D, open emergency solution envelope 13, which will direct you to Clue D.

This is emergency solution 13, which will direct you to Clue D.

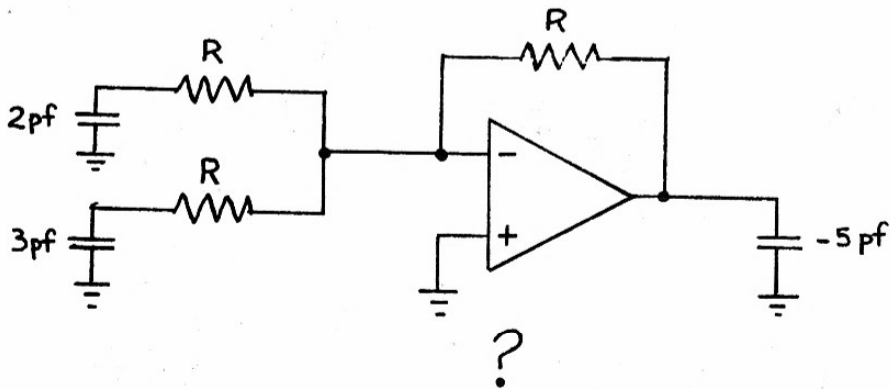
The solution to this problem is much easier than you might expect. Even though the bugs will spiral in toward the center, at any instant, the bugs form an equilateral triangle. Thus, their relative velocity toward each other is constant and is $1 + \cos 60^\circ$ inches per second, or $1\frac{1}{2}$ inches per second. Since they started 96 inches apart, it takes exactly 64 seconds for them to meet, and thus each bug must have traveled 64 inches. So go off to circle 64.



Circle 64 is located near 32nd St and Acoma. From Acoma go south for 0.135 miles to a dirt trail heading northwest from 32nd St. Go northwest up the dirt trail for 180 feet. Clue D is located 20 feet north of trail, on the west side of some bushes.

If you are unable to locate Clue D, open emergency solution envelope 1 which will direct you to Clue E.

This is Clue D. Solving this clue will direct you to Clue E.



If you are unable to solve this clue or to find Clue E, open emergency solution envelope 1, which will direct you to Clue E.

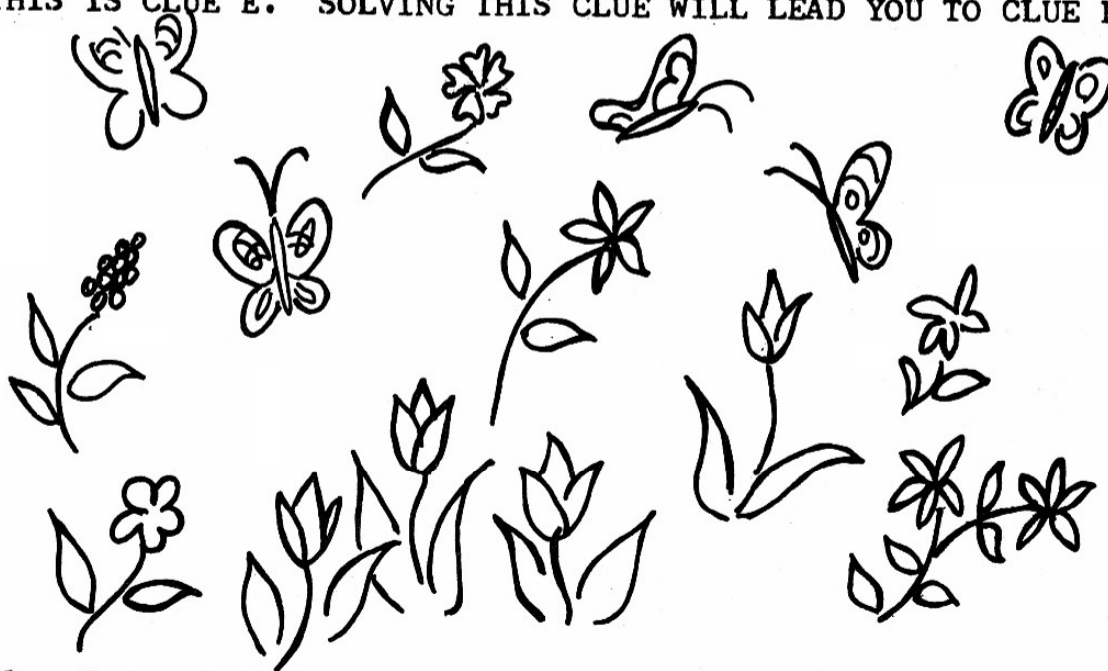
This is emergency solution 1 which will direct you to Clue E.

All you circuit designers will recognize the op. amp and resistors as a summing circuit (or adder). The input and output capacitors may seem a little strange to you, however, and they should, because this is not really a circuit but a pf-adder (puff adder). So slither off to circle 91, at the snake pit.

From the corner of Tatum Blvd. and Union Hills, go north on the dirt trail 0.2 miles north of the CAP bridge to some palo verde trees. Walk east 160 feet to the base of the dike. Clue E is near the base of the dike, behind a small tree.

If you are unable to locate clue E, open emergency solution envelope 20 which will lead you to clue F.

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



Clue E was a visual clue consisting of a picture of a colorful flower garden and butterflies.

If you are unable to solve this clue or to find Clue E, open emergency solution envelope 20 which will direct you to Clue F.

This is emergency solution 20 which will direct you to Clue F.

Did you tiptoe through the tulips to look for a hidden number? Good idea! but try the red cellophane from your brown bag and scan the butterflies fluttering around. The number 60 will be seen on one of the butterflies.

Circle 60 is located near 20th St. and Union Hills Drive. From Union Hills and 20th St., go north 0.22 mi. to a dirt T - intersection. The clue is located behind a Palo Verde, 45 ft. directly north of the intersection.

If you are unable to locate Clue F, open emergency solution envelope 7 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 SOLUTION ENVELOPE 7, WHICH WILL DIRECT YOU TO CLUE G.

THIS IS EMERGENCY SOLUTION 7 WHICH WILL DIRECT YOU TO CLUE G.

The boy is trying desperately to stop his female sheep from turning around, thus preventing a ewe turn, so pull the wool out of your eyes and go to the circle denoting a NO U TURN traffic symbol.

Go to Circle  located near 40th Street and Bell Rd. Go south of Bell for 0.16 miles on 40th Street. The clue is located 75 feet west of 40th St. behind a large tree.

IF YOU ARE UNABLE TO LOCATE CLUE G, OPEN EMERGENCY SOLUTION ENVELOPE 24, WHICH WILL DIRECT YOU TO CLUE H.

This is Clue G. Solving this clue will direct you to Clue H.

2(Na - No)

Where does it come from?

If you are unable to solve this clue or find Clue H, open emergency solution envelope 24 which will direct you to Clue H.

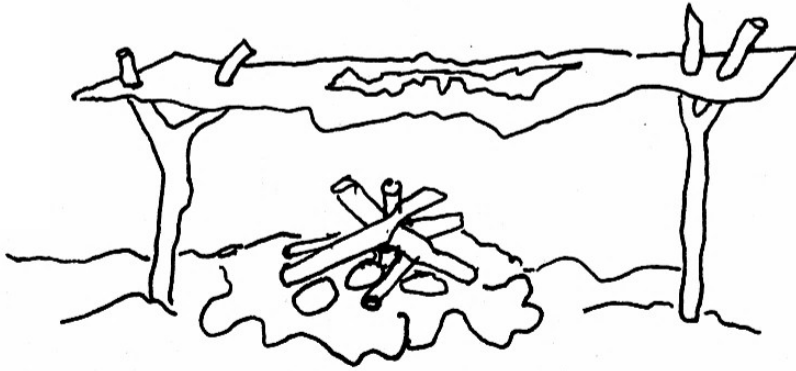
This is emergency solution 24 which will direct you to Clue H.

All of you remember Na, but what is No? Well, forget your chemistry and simply say Twice Na - No.....there you go, say it again na - no na - no. That's Mork's favorite saying, and it comes from the Planet Ork. The Mork and Mindy TV show, by the way, is rated Number One this season. (ORK St. on map)

Clue H is located at Circle 3, near the intersection of Thunderbird and 64th Street. From the corner of Thunderbird and 64th Street, go north on 64th St 0.5 miles to the end of the pavement. Proceed north on dirt trail for 0.28 miles to a fork in the trail. The clue is located behind a tree 100 feet north of the fork, 25 feet west of the trail.

If you are unable to located Clue H, open emergency solution envelope 53 which will direct you to Clue I.

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



Clue H is a visual clue consisting of a campfire with a sheet of charred aluminum foil draped over it.

IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE I, OPEN EMERGENCY SOLUTION ENVELOPE 53 WHICH WILL LEAD YOU TO CLUE I.

THIS IS EMERGENCY SOLUTION 53 WHICH WILL LEAD YOU TO CLUE I.

As you noticed, the aluminum foil is indeed charred or burnt, as in "Burnt Reynolds". Also, if you were observant, you noticed a semi-tough wash and the sign "The End" on your map. So go to Circle 46.

Circle 46 is located near Scottsdale Rd. and Greenway. From Scottsdale Rd. go East on Greenway for 0.65 mi. Go North on the dirt road for 0.2 mi. Clue I is located 105 ft. West of the road under a palo verde tree next to a small wash.

If you are unable to locate Clue I open emergency solution envelope 16 which will direct you to Clue J.

This is Clue I. Solving this clue will direct you to Clue J.

Mom baked a batch of cookies one morning, ate a couple, and left the rest on the table with a note that Dad and the boys could divide them up and eat them when they got home. Dad came home for lunch, divided them into three equal stacks and found there were two extra, so he ate those and took his stack with him back to work. Jason got home from school early, and not knowing that his dad had been there already, divided the cookies into three equal stacks, finding there was one extra. He ate the extra one and took his stack down to his room. Eric got home later and seeing the note, divided them equally into three stacks, and ate his. Finding out that his brother had already taken his share, he came back and ate the rest of what he thought was his share. What is the smallest number of cookies that there could have been to start with?

If you are unable to solve this clue or to find Clue J, open emergency solution envelope 16, which will direct you to Clue J.

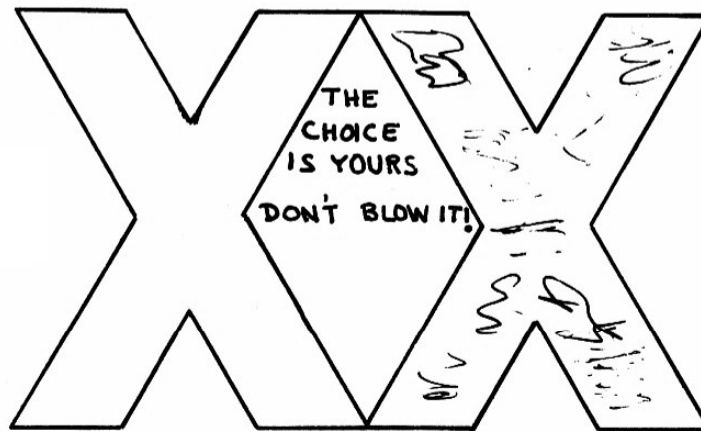
This is emergency solution 16, which will direct you to Clue J.

This clue can be solved mathematically by writing the equations and solving for the integer solutions, but this problem turns out fairly easy to solve by simple trial and error. The answer is 19 (hope you didn't forget the two cookies Mom ate!), so off to circle 19.

Circle 19 is near Pima Road and Sweetwater Avenue. Go east of Pima on Sweetwater for 0.28 miles until the pavement ends. (it turns south into a private drive.) From this point continue east along the fence line for 0.2 miles until it intersects a wash. Clue J is located 75 feet north of the road in the center of the wash.

If you are unable to locate Clue J, open emergency solution envelope 9 which will lead you to Clue K.

THIS IS CLUE J. SOLVING THIS CLUE WILL DIRECT YOU TO CLUE K.



Clue J was a visual consisting of two X's, one is clean and one is dirty. With them was a sign saying, "the choice is yours but don't blow it."

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

THIS IS EMERGENCY SOLUTION 9 WHICH WILL LEAD YOU TO CLUE K.

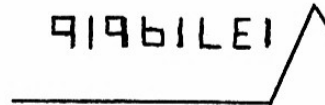
This clue was nothing to sneeze at, or was it? Choosing the dirty "X" leads you nowhere. However, the clean "X", that is the "Kleenex" is the only polite thing to use. Since we provided a package of it in the brown bag with a number stamped on it, use it, and while you're at it, follow your nose to circle 15.

Circle 15 is near Cholla and 108th. St. The clue is located in a wash which is 130 feet south of Cholla. Go 137 feet northeast from 108th. in the wash. The clue is located at the base of a large mesquite tree.

IF YOU ARE UNABLE TO LOCATE CLUE K, OPEN EMERGENCY SOLUTION ENVELOPE 22 WHICH WILL LEAD YOU TO CLUE L.

This is Clue K. Solving this clue will direct you to Clue L.

91961LE1



If you are unable to solve this clue or to find Clue L, open emergency solution envelope 22, which will direct you to Clue L.

This is emergency solution 22, which will direct you to Clue L.

The committee hopes you remembered your hints wise and otherwise and brought along a calculator that could do square roots. If you did, you quickly found the answer to be 3704, but this is too easy. Maybe since the problem was upside down, the answer is upside down! Turn your calculator upside down and it spells HOLE, so go to circle 14 on the map where it says HOLE.

Circle 14 is near Shea Blvd and Scottsdale Rd. Go north from Shea in the alley behind the stores on the north west corner of Shea and Scottsdale Rd for 0.1 miles. The alley is located 75 feet west of 71st Place. The clue is located 82 feet west of the alley under a palo verde tree.

If you are unable to locate Clue L, open emergency solution envelope 33 which will direct you to Clue M.

This is Clue L. Solving this clue will lead you to Clue M.

PUNISHMENT

If you are unable to solve this clue or to find Clue M, open emergency solution envelope 33 which will lead you to Clue M.

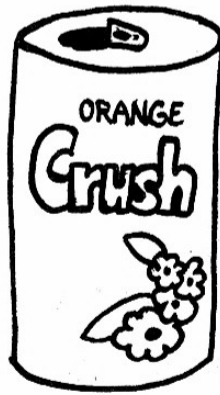
This is emergency solution 33 which will lead you to Clue M.

The large letters are not just for effect. They are capital letters for **CAPITAL PUNISHMENT!** On the map you will notice various forms of punishment but only one is capital punishment. Located at the HANGING WASH, circle 9.

Clue M is located at circle 9. From the intersection of Scottsdale Rd. and Bell Rd., proceed north 0.63 miles. Turn west on a dirt road, following this road for a distance of 0.22 miles until you come to a fence corner. The clue is located in a deep wash under a Palo Verde tree 135 feet south of the road.

If you are unable to locate Clue M, open emergency solution envelope 35 which will lead you to Clue N.

THIS IS CLUE M. SOLVING THIS CLUE WILL LEAD YOU TO CLUE N.



Clue M was a visual clue consisting of an Orange Crush can fastened to a post.

IF YOU ARE UNABLE TO SOLVE THIS CLUE, OR TO FIND CLUE N, OPEN EMERGENCY SOLUTION ENVELOPE 35, WHICH WILL LEAD YOU TO CLUE N.

THIS IS EMERGENCY SOLUTION 35, WHICH WILL LEAD YOU TO CLUE N.

This clue should be a gift to those veteran hunters who are looking for a football clue every year. Any fan of the Denver Broncos quickly recalled the ORANGE CRUSH defensive line and hurried off to Circle 230 on Bronco Trail.

Go to Circle 230. From the intersection of Pima and Happy Valley Roads, go 0.5 miles west to Ranch Gate Road. Turn right and follow Ranch Gate Rd. north for 0.5 miles to Bronco Trail. Turn right and proceed for 0.125 miles, where Bronco Trail ends in a cul de sac. The clue is located behind a large Palo Verde tree 200 feet north of the center of the cul de sac.

IF YOU ARE UNABLE TO LOCATE CLUE N, OPEN EMERGENCY SOLUTION ENVELOPE 2, WHICH WILL LEAD YOU TO CLUE O.

This is Clue N. Solving this clue will direct you to Clue O.

The parade was passing the judges stand when at that moment one of the spectators ran in front of a trumpet player, shoving the trumpet deep into the musician's throat. The poor guy first turned four shades of purple, a shade of blue, four shades of green and a third shade of yellow before he croaked. Someone picked him up and asked . . . "In which Band did he end up playing?"

If you are unable to solve this clue or to find Clue O, open emergency solution envelope 2 which will direct you to Clue O.

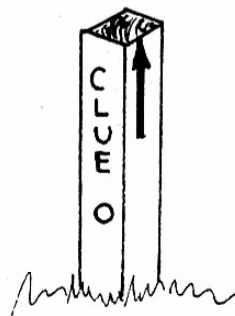
This is emergency solution 2 which will direct you to Clue O.

This being a musical clue, the BAND we had in mind is also an Oldie but Goodie. In your Brown Bag was a colored chart with the often referred frequency designation Bands. Follow the story through the various colors and you end up in Band S.

Go To Circle S, located near Pima and Jomax Roads.
Go 0.1 miles north of Jomax Road on Pima Road. Turn west (left) and continue for 0.1 miles to where a large water tank is enclosed in a fenced area. From the Southeast corner of the fence, go 92 feet southwest to an Ironwood tree. The clue is behind the tree.

If you are unable to locate Clue O, open emergency solution envelope 12 which will direct you to Clue P.

This is Clue O. Solving this clue will direct you to Clue P.



This was a visual clue consisting of a post on which was printed, "Clue O", with an arrow pointing to the top of the post.

If you are unable to solve this clue or to find Clue P, open emergency solution envelope 12 which will direct you to Clue P.

This is emergency solution 12 which will direct you to Clue P.

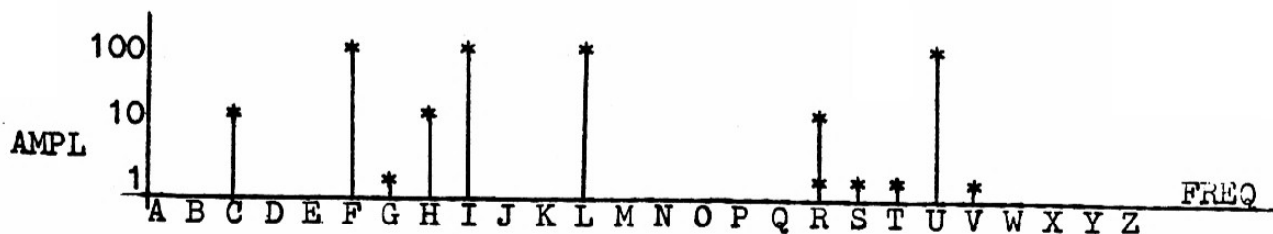
The committee decided to check out your sense of smell on this clue. If you examined the post carefully, you would have determined that the top of the post had been soaked in after shave lotion (or did you think it was one of your team members?). So off you go to circle 196 on Aftersh Ave.

Circle 196 is located west of Scottsdale Rd. between Happy Valley Rd. and Jomax Rd. along the transmission line road. Go west 0.2 miles along the transmission line road until you come to the first tower. From the center of the road, walk directly north 300 feet through the center of both towers. The clue is located under a mesquite tree.

If you are unable to locate clue P, open emergency solution envelope 21 which will lead you to Clue Q.

This is Clue P. Solving this clue will lead you to Clue Q.

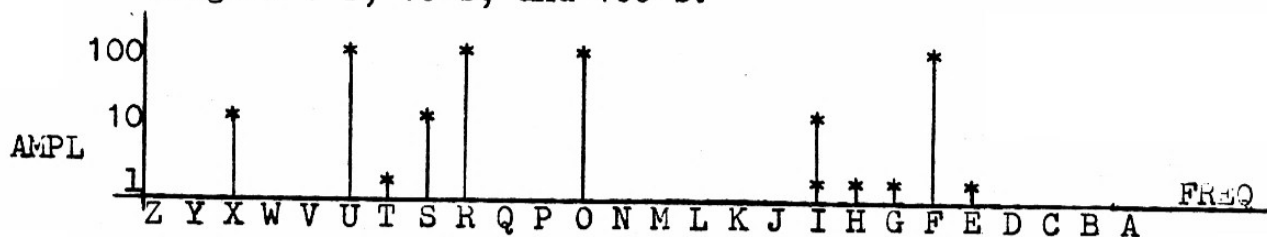
This clue was straight forward enough. However, the carrier was reinserted at the wrong end of the band edge when it was being recovered:



If you are unable to solve this clue or to find Clue Q, open emergency solution envelope 21 which will lead you to Clue Q.

This is emergency solution 21 which will lead you to Clue Q.

Of course the spectrum was inverted when the carrier was injected at the wrong end of the band (Remind you of super channel?). So to recover the signal you must fold the spectrum back or more simply re-label the frequency axis A to Z from right to left. The amplitude scale gives the weight: 1's, 10's, and 100's.



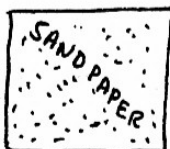
100's	U R O F.....FOUR
10's	X S I.....SIX
1's	T I H G E.....EIGHT

Circle 468

Clue Q is located at circle 468, located east of Pinnacle Peak Restaurant and south of Jomax. The dirt road going south from Jomax begins 100 feet west of the corner of Extension and Jomax Rds.. Go south on this dirt road for 0.25 miles, where you will find the second fork in the road. The clue is behind a large Saguaro cactus, which is 134 feet south of this fork. (The first fork was 0.1 miles south of Jomax Rd.. It doesn't matter which side you take here, since the two paths rejoin 0.05 miles north of the second fork.

If you are unable to locate Clue Q, open emergency solution envelope 15 which will direct you to Clue R.

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



GUESS MY CORRECT ABRASIVENESS

IF YOU ARE UNABLE TO SOLVE THIS CLUE OR TO FIND CLUE R, OPEN EMERGENCY SOLUTION 15 WHICH WILL DIRECT YOU TO CLUE R.

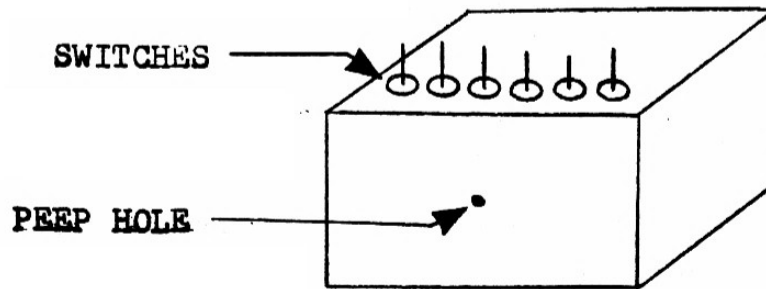
THIS IS EMERGENCY SOLUTION 15 WHICH WILL LEAD YOU TO CLUE R.

You were indeed correct if you guessed "true grit". And who can be more closely associated with True Grit than John Wayne? As you will notice, there is a John Wayne Rd. on your map. Go to Circle 200

Circle 200 is located Northeast of Reata Pass Resturant. Drive East from the resturant on Rio Verde Dr. to the first cattle guard. Continue East from the cattle guard for 1.3 mi. to a dirt road (Cogburn Causeway). Go North for 0.48 mi. on Cogburn Causeway (dirt road) to John Wayne Rd. Go East on John Wayne Rd. for 0.2 mi.(watch for cactus). The clue is located behind a tree 50 ft. North of the road in a wash.

If you are unable to locate Clue R open emergency solution envelope 17 which will direct you to Clue S.

This is Clue R. Solving this clue will lead you to Clue S.



This is a visual clue consisting of a box with six switches located on top and a small peep hole on the front.

If you are unable to solve this clue or to find Clue S, open emergency solution envelope 17 which will lead you to Clue S.

This is emergency solution 17 which will lead you to Clue S.

Did you find a code strip in the Brown Bag reading: 0 1 0 0 1 0 ?
The code is the key for pushing the switches on the box.
Depressing only the two switches indicated by 1's on the code strip turned on a light inside the box, illuminating the word LIFE which could be viewed through a peep hole in the box.
Of course this is YOU LIGHT UP MY LIFE which is number 18 in the Hints Wise and Otherwise. For those who considered this the long way around to solving the clue, we made it easy. By decoding the binary weight of the code 010010 = 18 you were also off to circle 18 near Boondocks Rd. and Binary Blvd..

Clue S is located at circle 18 about 2 miles east of Reata Pass and just south of Rio Verde Dr. on Binary Blvd.. Binary Blvd. is a dirt road located 100 feet east of the second cattle guard on Rio Verde Dr.. Proceed down Binary Blvd. for 0.18 mile where a concrete culvert will be seen on the west side of the road. The clue is located 118 feet north and 122 feet east of the culvert behind a pair of trees.

If you are unable to locate Clue S, open emergency solution envelope 11 which will lead you to Clue T.

THIS IS CLUE S. SOLVING THIS CLUE WILL DIRECT YOU TO CLUE T.

Joseph Komeriov knew that things always took a long time in the Soviet Union but he didn't have time to wait. His ailing mother was dying in Prague and he needed an exit visa to visit her. He had been to the foreign office where he was given a dozen forms to be filled out in triplicate and had to be taken to four separate departments. Now, each one had to be processed and, if he successfully passed two interviews, the visa would be issued. His mother was getting worse and he needed to leave now. His frustration grew. "How long?" "How long", he asked the Russian ruler?

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

THIS IS EMERGENCY SOLUTION 11 WHICH WILL DIRECT YOU TO CLUE T.

Joe is obviously a victim of our old friend the bureaucracy. His visa is being held up by red tape. "How long", he asks the Russian ruler? If you look in your brown bag you will find a small amount of red tape. Measuring it in inches, you get just under 4". However, the Russian ruler is metric and will indicate that the red tape is 10 cm. long. Remember the hint, "proceed by cm.?" So rush off to circle 10.

Circle 10 is located near the intersection of Pinnacle Peak Road and Pima Road. From Pima, go 0.45 miles east on Pinnacle Peak Road to 93rd. St. Turn south on 93rd. and continue for 0.25 miles to where the pavement ends. The clue is located 172 feet south of the pavement's end behind a large palo verde tree.

IF YOU ARE UNABLE TO LOCATE CLUE T, OPEN EMERGENCY SOLUTION ENVELOPE 25 WHICH WILL LEAD YOU TO CLUE U.

This is Clue T. Solving this clue will lead you to Clue U.

I know I must choose one, but which?

N G

If you are unable to solve this clue or to find Clue U, open emergency solution envelope 25 which will lead you to Clue U.

This is emergency solution 25 which will lead you to Clue U.

Which one will you choose?
N or G ... That is, **ENORGY!**
For a quick boost go to the
ENORGY STATION at circle 73
located near Pinnacle Peak
and Scottsdale Roads.

Clue U is located at circle 73. From the intersection of Scottsdale Rd. and Pinnacle Peak Rd., proceed 0.83 miles west. Turn north on a dirt trail and go 0.49 miles, taking the trail that goes directly under a transmission tower. The clue is located in a small wash 135 feet east of the trail next to a mesquite bush.

If you are unable to locate Clue U, open emergency solution envelope 4 which will direct you to Clue V.

This is Clue U. Solving this clue will direct you to Clue V.



This was a visual clue consisting of the letters shown above. The "E" was painted red with the small letters HELL on the E.

If you are unable to solve this clue or to find Clue V, open emergency solution envelope 4 which will direct you to Clue V.

This is emergency solution 4 which will direct you to Clue V.

The letters H-E-L-L on the red E are obviously Hell-on-red-E (Helen Reddy). She is a well known singer, of course, and some of you should remember one of her first big hits "I Am Woman". So off you go to Clue V, located at the circle with the female sex symbol ♀, representing woman.

Circle ♀ is located near Via Dona and Scottsdale Roads. Go 0.25 miles east of Scottsdale Road on Via Dona to a dirt road. Go north on the dirt road 0.05 miles to where a wash crosses the road. The clue is located 66 feet west of the road along the wash and 22 feet south of the center of the wash by a mesquite tree.

If you are unable to locate Clue V, open emergency envelope 10 which will direct you to Clue W.

This is Clue V. Solving this clue will lead you to Clue W.

! ! ! QUIET ! ! !

CLUE ZONE

TSETSE AID PRIX

If you are unable to solve this clue or to find Clue W, open emergency solution envelope 10 which will lead you to Clue W.

This is emergency solution 10 which will lead you to Clue W.

The key to this clue is QUIET!!!
By writting down the silent letters
in each word, it will lead you to circle 6.

TSETSE

|
S

AID

|
I

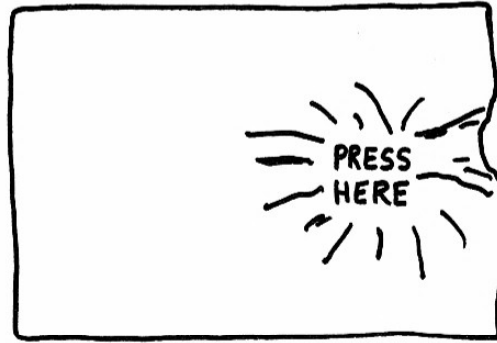
PRIX

|
X

Clue W is located at circle 6. It is located south of Carefree Highway near 60th. St.. 60th. St. is located 0.65 miles east of Cavecreek Rd. or 1.4 miles west of Scottsdale Rd.. The street is marked with a "Black Mountain School" sign. Travel 0.25 miles south on 60th. St. to an intersecting dirt road, just north of a wash. Go 0.125 miles west on the road to another intersecting road. Walk 99 ft. south from the center of the intersection to a wash. The clue is located 192 feet east on the south side of the wash.

If you are unable to locate Clue W, open emergency solution envelope 18 which will lead you to Clue X.

This is Clue W. Solving this clue will direct you to Clue X.



This was a visual clue consisting of a piece of sheet metal with a large dent in it. On the dented area were printed the words "press here".

If you are unable to solve this clue or to find Clue X, open emergency solution envelope 18 which will lead you to Clue X.

This is emergency solution 18 which will lead you to Clue X.

Although this clue has some qualities of a smash-hit, the solution may not be very popular. Astute hunters remember the hint "It's what you do - not how you do it". In this case, what you do is press-a-dent. This should immediately trigger thoughts of our beloved president, and have you rushing down the campaign trail to Jimmy C. Blvd at Circle 51.

Go to Circle 51 located near Dixileta Drive and Cave Creek Road. On Dixileta Drive, go 0.95 miles east from Cave Creek Road (0.8 mi W from 56th St) to an intersecting wash. Your clue is located in the wash, 270 feet (90 yd) northeast from the road.

If you are unable to locate this clue, open emergency solution envelope 23 which will lead you to Clue Y.

This is Clue X. Solving this clue will direct you to Clue Y.

A Farewell to Arms

Hawaii

QB VII

A Connecticut Yankee in
King Arthur's Court

Treasure Island

Twenty Thousand Leaques
Under the Sea

Around the World in
Eighty Days

Trinity

The Adventures of Tom Sawyer
Centennial

Kidnapped

For Whom the Bell Tolls

If you are unable to solve this clue, or to find Clue Y, open emergency solution envelope 23 which will lead you to Clue Y.

This is emergency solution 23 which will lead you to Clue Y.

Each of the two lists contains the names of six famous books. Looking for the connection between the two lists, you notice a commonality of authorship (Hemingway, Michener, Uris, Clemens, Stevenson, and Verne). Well-read hunters remember the hint "It's what you do - not how you do it". The only logical thing to do now, and you probably already have, is to match books by authors. This sparks your recollection of the matchbooks in the brown bag, which are emblazened with a Circle K, which is where you should be headed right now.

Go to Circle K located near Pinnacle Peak Road and Cave Creek Road. On Cave Creek Road, go 0.88 miles north from Pinnacle Peak Road to where a large transmission line crosses the highway. Follow the transmission line road west for 0.48 miles to a tower (tower is 30 feet south of the road). Your clue is located at the southwest corner of the tower base.

If you are unable to locate this clue, open emergency solution envelope 6 which will lead you to Clue Z.

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

This story just grows and grows as it goes along.

3.49 minutes per mile is a track record.

Did Philip Oliver Dend run that fast?

Charlie was so slow that it was said he was creeping along.

Samuel Goldberg wandered far from the track.

Fern had run the Boston Marathon.

I would liken this story to a tale. Listen to it.

If you are unable to solve this clue or to find Clue Z,
open emergency solution envelope 6 which will direct you
to Clue Z.

This is emergency solution 6 which will direct you to
Clue Z.

Did you listen to all these plants listed?

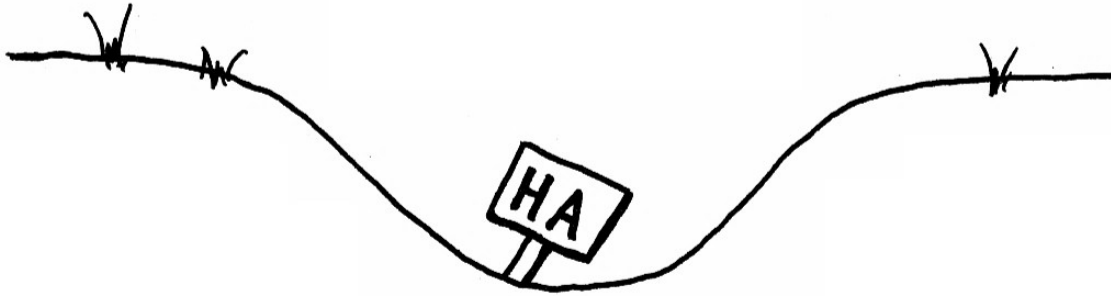
Philodendron, Creeping Charlie, Wandering Jew and Boston Fern.

Naturally, they will be found in a greenhouse.

Clue Z is located at Circle 23 near 7th St. and the CAP
Canal. From 7th St. go east along the south side of the
Canal, on a dirt trail for .125 miles. The clue is located
72 ft. south of the trail next to a catclaw tree.

If you are unable to locate Clue Z, open emergency solution
14 which will lead you to Clue A.

This is Clue Z. Solving this clue will direct you to Clue A.



This was a visual clue consisting of a sign reading "HA" located in a hole in the ground.

If you are unable to solve this clue or to find Clue A, open emergency solution envelope 14 which will lead you to Clue A.

This is emergency solution 14 which will direct you to Clue A.

If you thought the committee was laughing, the joke's on you. Actually, what you saw was a low HA (aloha), so go to HAWAII Street at Circle 50 (five-0).

Go to Circle 50 located near Beardsley Road and 7th Street. On Beardsley Road, go east 0.48 miles from 7th Street to an intersecting transmission line. Go south on the transmission line road (watch out for big dips) to the second big power pole (no. 10/2). Your clue is located at the base of the pole.

If you are unable to locate this clue, open emergency solution envelope 3 which will lead you to Clue B.