

PROJECT 10073 RECORD

1. DATE TIME GROUP 17 APR 68 2355 CST 18/0555Z	2. LOCATION MANDEN, NORTH DAKOTA
3. SOURCE CIVILIAN	10. CONCLUSION SIGHTING: PROBABLE METEOR PHYS SPEC: ORDINARY METAL COMPOSITION
4. NUMBER OF OBJECTS ONE	
5. LENGTH OF OBSERVATION FOUR SECONDS	11. BRIEF SUMMARY AND ANALYSIS The observer sighted a bright glowing object that glowed all the way to the ground. The next day the observer's husband found a piece of metal near the area of the sighting.
6. TYPE OF OBSERVATION GROUND VISUAL	
7. COURSE SE	COMMENTS The description is consistent with that of a meteor observation. The metal was composed of aluminum and iron and is not considered related to the sighting.
8. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

17. DID YOU OBSERVE THE PHENOMENON THROUGH ANY OF THE FOLLOWING? INCLUDE INFORMATION ON MODEL, TYPE, FILTER, LENS PRESCRIPTION OR OTHER APPLICABLE DATA.

<input checked="" type="checkbox"/> EYEGLASSES		CAMERA VIEWER
SUNGLASSES		BINOCULARS
<input checked="" type="checkbox"/> WINDSHIELD		TELESCOPE
SIDE WINDOW OF VEHICLE		THEODOLITE
WINDOWPANE		OTHER

A. DO YOU ORDINARILY WEAR GLASSES?  YES  NO

B. DO YOU USE READING GLASSES?  YES  NO

18. WHAT WAS YOUR IMPRESSION OF THE SPEED OF THE PHENOMENON? GIVE ESTIMATE OF SPEED fast

19. WHAT WAS YOUR IMPRESSION OF THE DISTANCE OF THE PHENOMENON? GIVE ESTIMATE OF DISTANCE 10 mi

20. IN ORDER THAT WE MAY OBTAIN AS CLEAR A PICTURE AS POSSIBLE OF WHAT YOU SAW, DESCRIBE IN YOUR OWN WORDS A COMMON OBJECT OR OBJECTS WHICH, WHEN PLACED IN THE SKY, SIMILAR TO WHERE YOU NOTED THE PHENOMENON, WOULD BEAR SOME RESEMBLANCE TO WHAT YOU SAW. DESCRIBE SIMILARITIES AND DIFFERENCES BETWEEN THE COMMON OBJECT AND WHAT YOU SAW.

21. DID YOU NOTICE ANY ODOR, NOISE, OR HEAT EMANATING FROM THE PHENOMENON OR ANY EFFECT ON YOURSELF, ANIMALS OR MACHINERY IN THE VICINITY?  YES  NO. IF "YES," DESCRIBE.

*no noise heard or odor noticed*

A. DID THE PHENOMENON DISTURB THE GROUND OR LEAVE ANY PHYSICAL EVIDENCE.  YES  NO. IF "YES," DESCRIBE.

*item is approx. 11" long 4 3/4" wide 1" thick at thickest part.*

22. HAVE YOU EVER SEEN THIS OR A SIMILAR PHENOMENON BEFORE?  YES  NO. IF "YES," GIVE DATE AND LOCATION.

*not that bright & not that close*

23. WAS ANYONE WITH YOU AT THE TIME YOU SAW THE PHENOMENON?  YES  NO. IF "YES," DID THEY SEE IT TOO?  YES  NO.

A. LIST THEIR NAMES AND ADDRESSES

24. GIVE THE FOLLOWING INFORMATION ABOUT YOURSELF

LAST NAME, FIRST NAME, MIDDLE NAME [REDACTED]

ADDRESS [REDACTED]

TELEPHONE (Area) [REDACTED] AGE 38 MALE  FEMALE

INDUSTRY, OCCUPATION AND ANY EXPERIENCE WHICH MAY BE PERTINENT.

*Federal Weather Br.  
Bismarck Tribune*

25. WHEN AND TO WHOM DID YOU REPORT THAT YOU HAD SIGHTED THIS PHENOMENON?

NAME X DAY 21 MONTH April YEAR 1968

26. DATE YOU COMPLETED THIS QUESTIONNAIRE.

DAY 25 MONTH April YEAR 1968

17 April 68  
Mandan, N. D.

April 22

Dear Sirs,

Last week April 17<sup>th</sup>  
my wife saw a falling  
object out of the sky about  
11:45 P.M. It glowed all  
the way to the ground.

The next morning I walked  
across the road to hunt  
gophers and I spotted this  
piece of melted metal on  
the ground. I've been hunting  
gophers in this area for the  
past few days and never  
saw it before.

The area was burned  
off last fall. Under the m<sup>o</sup>ld  
the green grass was burned  
" "

on the ends that stuck  
out of the ground.

The air force base at  
Colorado Springs, Col.  
contacted me. They would  
like a piece of it for show.  
I would like to get it  
tested before I start cutting  
it up. Do you do this kind  
of work at this base and  
how big of piece would a  
person have to send or should  
I send the whole piece? It  
weighs about 2 pounds it's 11  
inches long  $4\frac{3}{4}$  inches wide and  
about 1 in thick at thickest part.

If I could get some information  
on this I would appreciate it very  
much!

Write up from  
the Bismarck  
Tribune, Bismarck  
N. Dak. 12

12

P

58554

From Satellite or Flying Saucer?

## Metal Falls on Area Farm

Harlow Haverkamp, Center Route, Mandan, has a curious piece of flat, aluminum-like metal that he believes fell out of the sky Wednesday night like a falling star.

Meteorologists at the U.S. Weather Bureau in Bismarck who looked at the fragment suggest it may have fallen off

a satellite and melted during its dizzy plunge through space.

But they aren't sure. And Haverkamp can't be sure the object he found was the same glowing streak his wife saw fall out of the sky.

**HVERKAMP**, a fireman at

Montana-Dakota Utilities Co., R. M. Heskett plant north of Mandan, lives three miles north of Mandan.

"My wife says this particle fell out of the sky when she was backing out of the yard to go to get me at work," Haverkamp said.

That would be about 11:45 p.m., Wednesday.

"It was glowing just like a falling star," he said.

The next morning, Haverkamp said, he was hunting striped gophers in the area when he spotted the object lying on the ground about 300 feet from the house and in the same direction that his wife had spotted the glowing fragment fall.

Haverkamp said there was an imprint on the ground where the piece fell.

He said he had been over the area a few days before and he would have spotted the fragment if it had been there then.

**THE FLAT PIECE** is about 11 inches long, 4 $\frac{3}{4}$  inches at its widest point and about an inch at the thickest part.

Haverkamp has scratched and sawed into the metal and it has a silver shine under its scorched exterior.

What the object is Haverkamp doesn't know. But he said he plans to find out.

He said he might take it to Bismarck Junior College for examination or send it somewhere else where proper tests can be made.

At this point, he's not speculating whether he's found a piece of a flying saucer.



Harlow Haverkamp and 'Thing' 13

Solid OBJECT, possible space Fragment,  
 11" x 4.75" x 1" See notes

U.S. AIR FORCE TECHNICAL INFORMATION

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will be used for research purposes. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that if it is deemed necessary, we may contact you for further details.

1. When did you see the object?

17 Day    APR Month    68 Year

2. Time of day: 11 Hour    45 Minutes

(Circle One): A.M. or P.M.

3. Time Zone:

(Circle One): a. Eastern  
 b. Central  
 c. Mountain  
 d. Pacific  
 e. Other \_\_\_\_\_

(Circle One): a. Daylight Saving  
 b. Standard

4. Where were you when you saw the object?

[REDACTED] Nearest Postal Address    MANDAN City or Town    N. DAKOTA State or County

5. How long was object in sight? (Total Duration)

\_\_\_\_\_ Hours    \_\_\_\_\_ Minutes    X Seconds

a. Certain    c. Not very sure  
 b. Fairly certain    d. Just a guess

5.1 How was time in sight determined? N/A

5.2 Was object in sight continuously? Yes \_\_\_\_\_ No N/A

6. What was the condition of the sky?

NOT KNOWN

DAY    NIGHT  
 a. Bright    a. Bright  
 b. Cloudy    b. Cloudy

7. IF you saw the object during DAYLIGHT, where was the SUN located as you looked at the object?

(Circle One): a. In front of you    d. To your left  
 b. In back of you    e. Overhead  
 c. To your right    f. Don't remember

8. IF you saw the object at NIGHT, what did you notice concerning the STARS and MOON?

8.1 STARS (Circle One):

- a. None
- b. A few
- c. Many
- d. Don't remember

8.2 MOON (Circle One):

- a. Bright moonlight
- b. Dull moonlight
- c. No moonlight -- pitch dark
- d. Don't remember

9. What were the weather conditions at the time you saw the object?

CLOUDS (Circle One):

- a. Clear sky
- b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds

WEATHER (Circle One):

- a. Dry
- b. Fog, mist, or light rain
- c. Moderate or heavy rain
- d. Snow
- e. Don't remember

10. The object appeared: (Circle One):

- a. Solid
- b. Transparent
- c. Vapor
- d. As a light
- e. Don't remember

11. If it appeared as a light, was it brighter than the brightest stars? (Circle One):

- a. Brighter
- b. Dimmer
- c. About the same
- d. Don't know

11.1 Compare brightness to some common object:

\_\_\_\_\_

12. The edges of the object were:

- (Circle One):
- a. Fuzzy or blurred
  - b. Like a bright star
  - c. Sharply outlined
  - d. Don't remember

- e. Other \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

13. Did the object:

(Circle One for each question)

- |   |     |    |            |
|---|-----|----|------------|
| a. Appear to stand still at any time?           | Yes | No | Don't know |
| b. Suddenly speed up and rush away at any time? | Yes | No | Don't know |
| c. Break up into parts or explode?              | Yes | No | Don't know |
| d. Give off smoke?                              | Yes | No | Don't know |
| e. Change brightness?                           | Yes | No | Don't know |
| f. Change shape?                                | Yes | No | Don't know |
| g. Flash or flicker?                            | Yes | No | Don't know |
| h. Disappear and reappear?                      | Yes | No | Don't know |

14. Did the object disappear while you were watching it? If so, how?

15. Did the object move behind something at any time, particularly a cloud?

(Circle One):      Yes      No      Don't Know.      IF you answered YES, then tell what it moved behind: \_\_\_\_\_

16. Did the object move in front of something at any time, particularly a cloud?

(Circle One):      Yes      No      Don't Know.      IF you answered YES, then tell what in front of: \_\_\_\_\_

17. Tell in a few words the following things about the object:

a. Sound \_\_\_\_\_

b. Color \_\_\_\_\_

18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

19. Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place an arrow beside the drawing to show the direction the object was moving.

20. Do you think you can estimate the speed of the object?

(Circle One)      Yes      No

IF you answered YES, then what speed would you estimate? \_\_\_\_\_

21. Do you think you can estimate how far away from you the object was?

(Circle One)      Yes      No

IF you answered YES, then how far away would you say it was? \_\_\_\_\_

22. Where were you located when you saw the object?

(Circle One):

- a. Inside a building
- b. In a car
- c. Outdoors
- d. In an airplane (type) \_\_\_\_\_
- e. At sea
- f. Other \_\_\_\_\_

23. Were you (Circle One)

- a. In the business section of a city?
- b. In the residential section of a city?
- c. In open countryside?
- d. Near an airfield?
- e. Flying over a city?
- f. Flying over open country?
- g. Other \_\_\_\_\_

24. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

24.1 What direction were you moving? (Circle One)

- |              |              |              |              |
|--------------|--------------|--------------|--------------|
| a. North     | c. East      | e. South     | g. West      |
| b. Northeast | d. Southeast | f. Southwest | h. Northwest |

24.2 How fast were you moving? \_\_\_\_\_ miles per hour.

24.3 Did you stop at any time while you were looking at the object?

(Circle One)      Yes      No

25. Did you observe the object through any of the following?

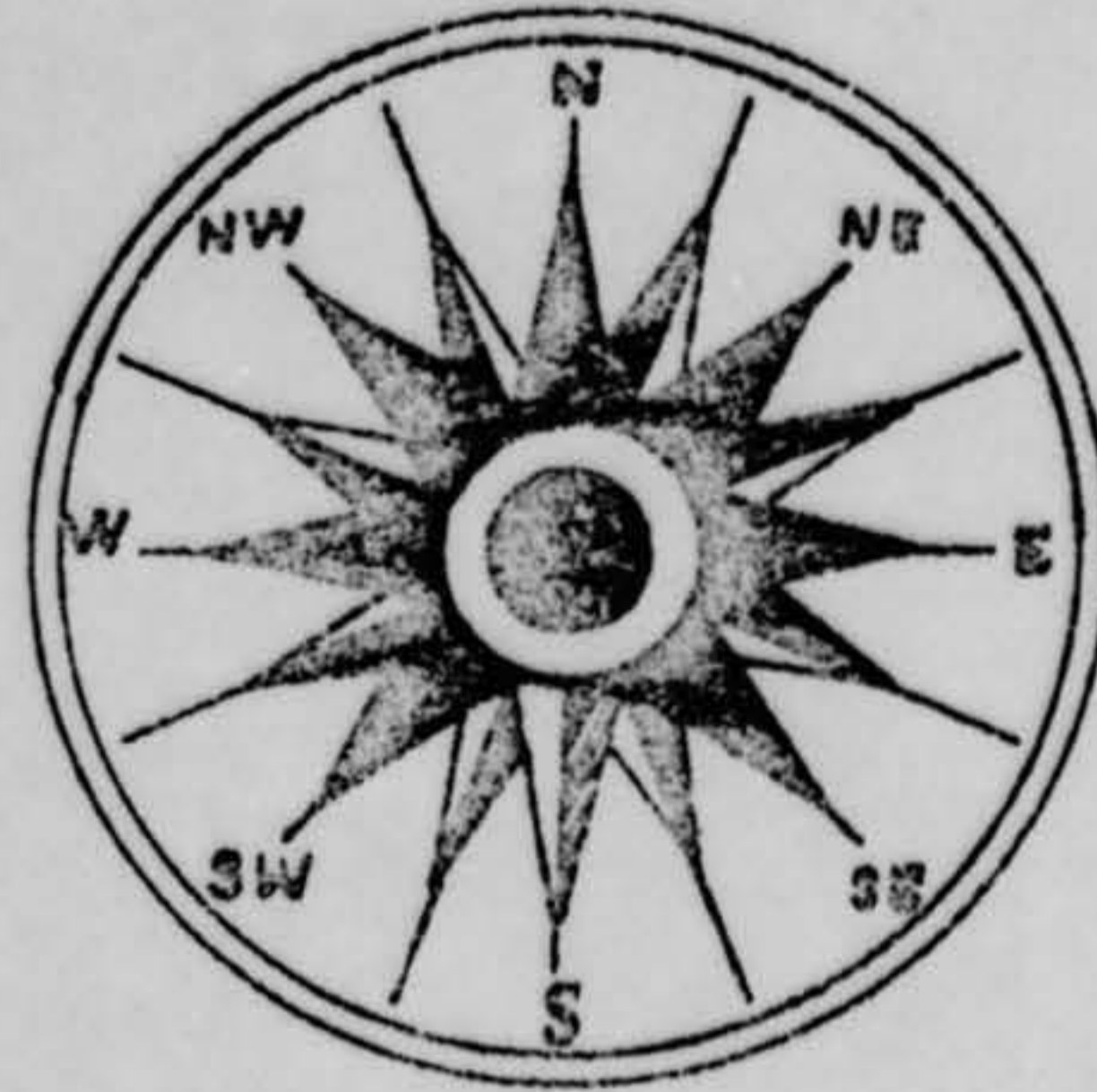
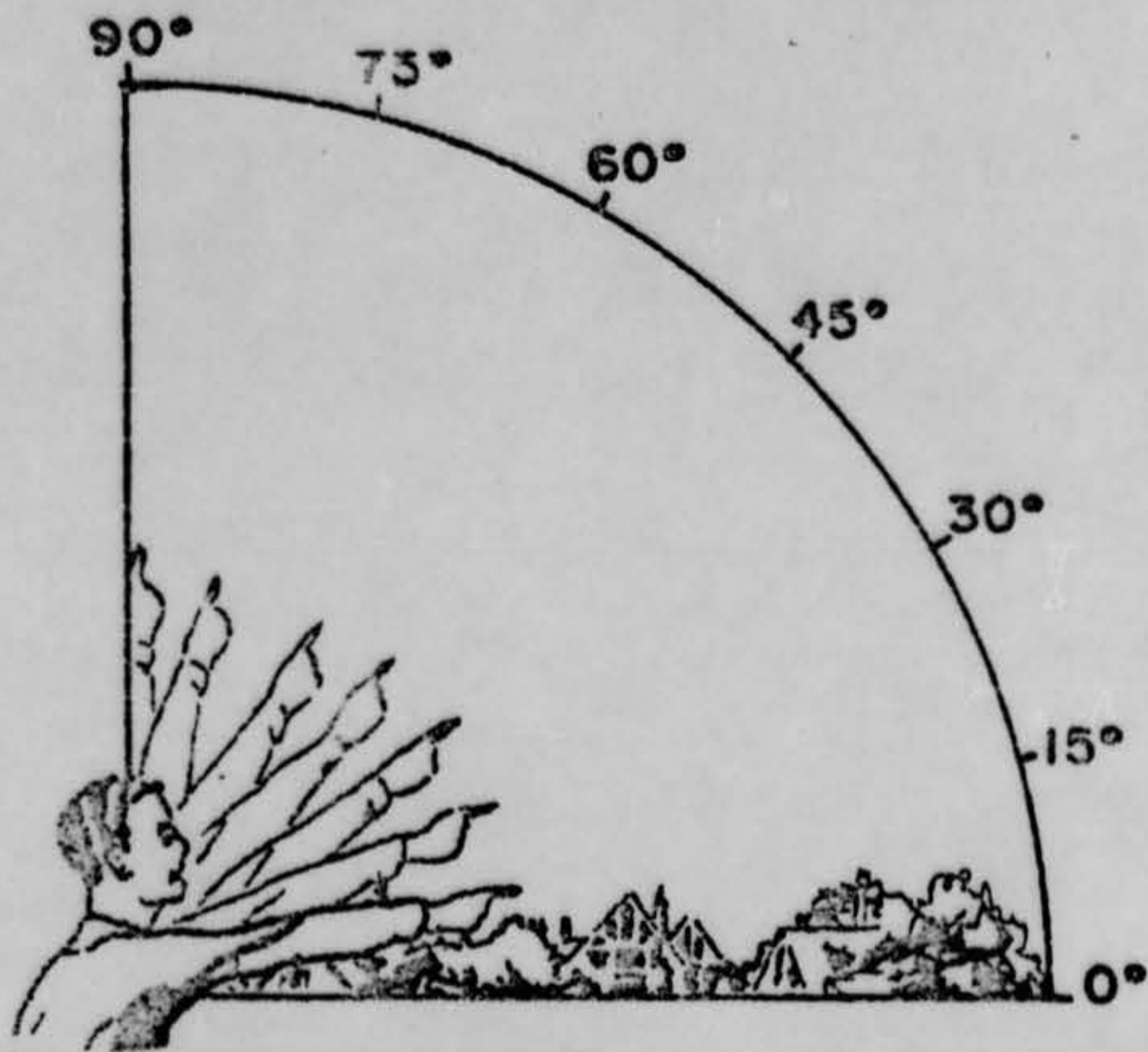
- |                 |     |    |                |     |    |
|-----------------|-----|----|----------------|-----|----|
| a. Eyeglasses   | Yes | No | e. Binoculars  | Yes | No |
| b. Sun glasses  | Yes | No | f. Telescope   | Yes | No |
| c. Windshield   | Yes | No | g. Theodolite  | Yes | No |
| d. Window glass | Yes | No | h. Other _____ |     |    |

26. In order that you can give as clear a picture as possible of what you saw, describe in your own words a common object or objects which, when placed up in the sky, would give the same appearance as the object which you saw

Physical spec. missing

27 Jan 75

27. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you *first* saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you *last* saw it. Place an "A" on the compass when you *first* saw it. Place a "B" on the compass where you *last* saw the object.



28. Draw a picture that will show the motion that the object or objects made. Place an "A" at the beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.

29. IF there was MORE THAN ONE object, then how many were there? \_\_\_\_\_  
 Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.


30. Have you ever seen this, or a similar object before. If so give date or dates and location.

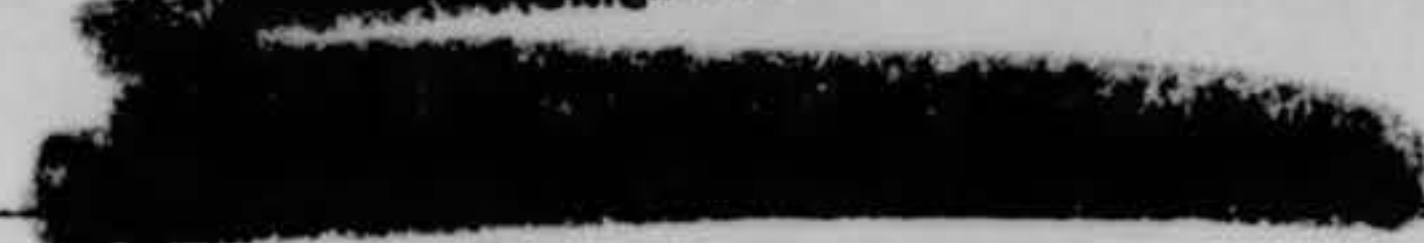
31. Was anyone else with you at the time you saw the object? (Circle One) Yes No

31.1 IF you answered YES, did they see the object too? (Circle One) Yes No

31.2 Please list their names and addresses:

32. Please give the following information about yourself:

NAME  First Name Middle Name

ADDRESS  MANDAN N. DAKOTA  
Street City Zone State

TELEPHONE NUMBER \_\_\_\_\_ AGE ? SEX M

Indicate any additional information about yourself, including any special experience, which might be pertinent.

33. When and to whom did you report that you had seen the object?

\_\_\_\_\_  
Day Month Year See notes

34. Date <sup>500</sup> ~~you~~ completed this questionnaire: 21 Day 11 Month 68 Year

35. Information which you feel pertinent and which is not adequately covered in the specific points of the questionnaire or a narrative explanation of your sighting.

- 1- CALL RECEIVED FROM NORAD SPACE DEFENSE CENTER, COLORADO  
LT. BAULE KLEIN  
NCOC-SC AUTOCOM 576-1001 EXT: 3555
- 2- OBJECT seems to be shiny alloy  
ABOUT 11" x 4.75" x 1"
- 3- ABOUT 1/4 OF OBJECT WILL BE SENT TO LT. KLEIN (ABOVE)
- 4- OBJECT WAS DESCRIBED AS BRIGHT  
BURNING.
- 5- OBJECT LANDED ~300 FT FROM RESIDENCE

17 APR 68

TDPT-UFO

*ETM*

Letter of Appreciation

Mr. and Mrs. [REDACTED]

Mandan, North Dakota

1. On behalf of Aerial Phenomenon Office and Hq Air Force Systems Command, may I express my appreciation to you and your wife for releasing the metallic specimen found in the vicinity of your home to our office for examination.
2. After a close examination of the item by USAF analysts, we are unable to determine the exact identity of the debris. The composition of the unit contains elements which are common, especially aluminum and iron. The physical condition of the item precludes any substantive identification. In view of this, and per your agreement with 1/Lt E. F. Matthews of this office, the item is returned for your retention.

Sincerely,

*H*  
 HECTOR QUINTANILLA, Jr., Lt Colonel, USAF  
 Chief, Aerial Phenomena Office  
 Aerospace Technologies Division  
 Production Directorate

1 Atch  
 Unit of debris,  
 1" x 7 1/4" x 1".

*Col. [unclear] coordinated!*

SIGHTING OF UNIDENTIFIED PHENOMENA QUESTIONNAIRE

BUDGET BUREAU APPROVAL  
NUMBER 21-R258

THIS QUESTIONNAIRE HAS BEEN PREPARED SO THAT YOU CAN GIVE THE U.S. AIR FORCE AS MUCH INFORMATION AS POSSIBLE CONCERNING THE UNIDENTIFIED PHENOMENON THAT YOU HAVE OBSERVED. PLEASE TRY TO ANSWER ALL OF THE QUESTIONS. THE INFORMATION YOU GIVE WILL BE USED FOR RESEARCH PURPOSES YOUR NAME WILL NOT BE USED IN CONNECTION WITH ANY OF YOUR STATEMENTS OR CONCLUSIONS WITHOUT YOUR PERMISSION. RETURN TO AIR FORCE BASE INVESTIGATOR FOR FORWARDING TO FTD (TDETR), WRIGHT-PATTERSON AFB, OHIO 45433, 1AW AFR 80-17. (IF ADDITIONAL SHEETS ARE NEEDED FOR NARRATIVE OR SKETCHES ATTACH SECURELY TO THIS FORM OR ANNOTATE WITH YOUR NAME FOR IDENTIFICATION.)

1. WHEN DID YOU SEE THE PHENOMENON?

DAY 17 MONTH April YEAR 1968

2. WHAT TIME DID YOU FIRST SIGHT THE PHENOMENON?

HOUR 11 MINUTES 55  A.M.  P.M.

3. WHAT TIME DID YOU LAST SIGHT THE PHENOMENON?

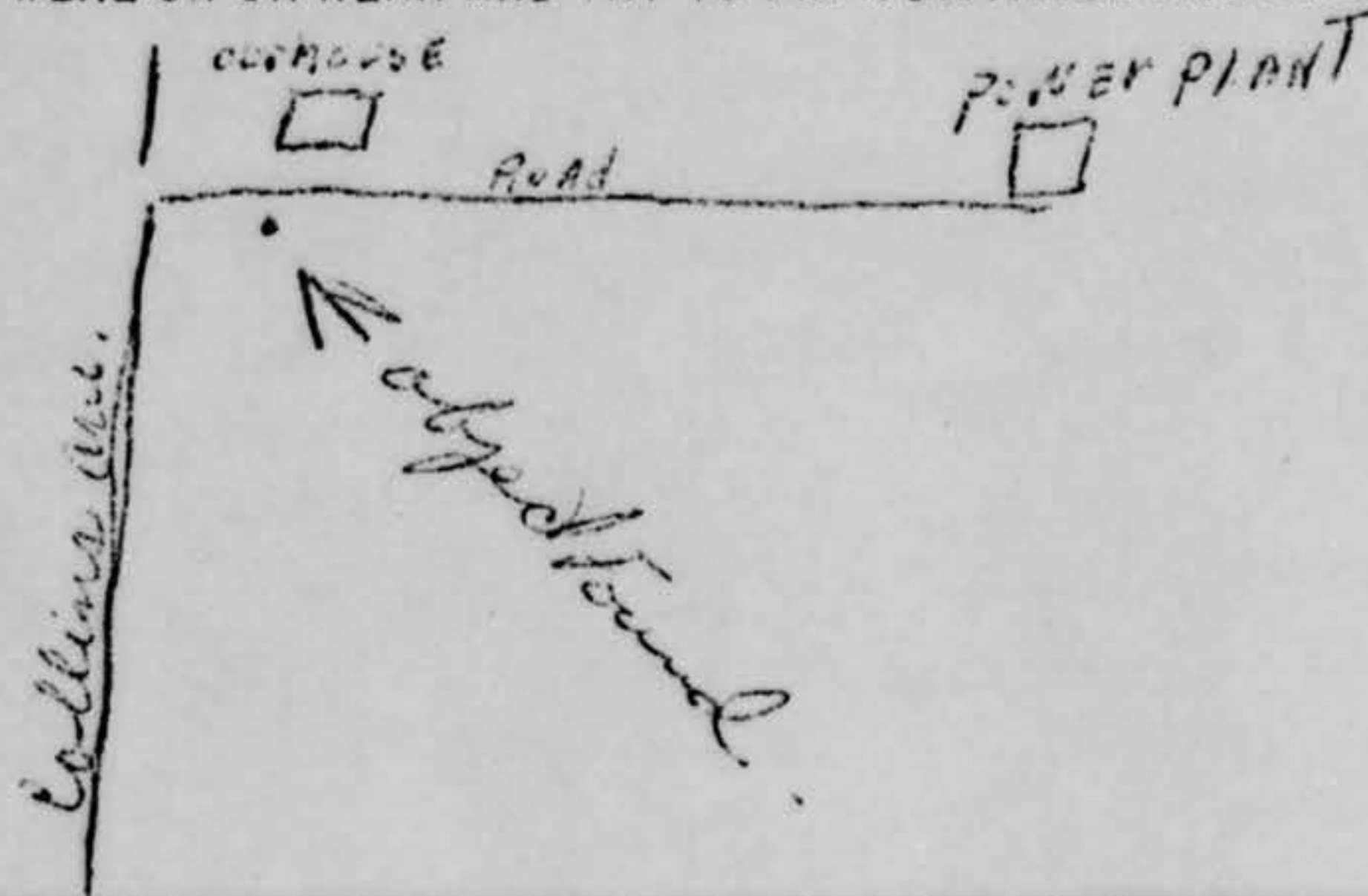
HOUR \_\_\_\_\_ MINUTES \_\_\_\_\_  A.M.  P.M.

4. TIME ZONE

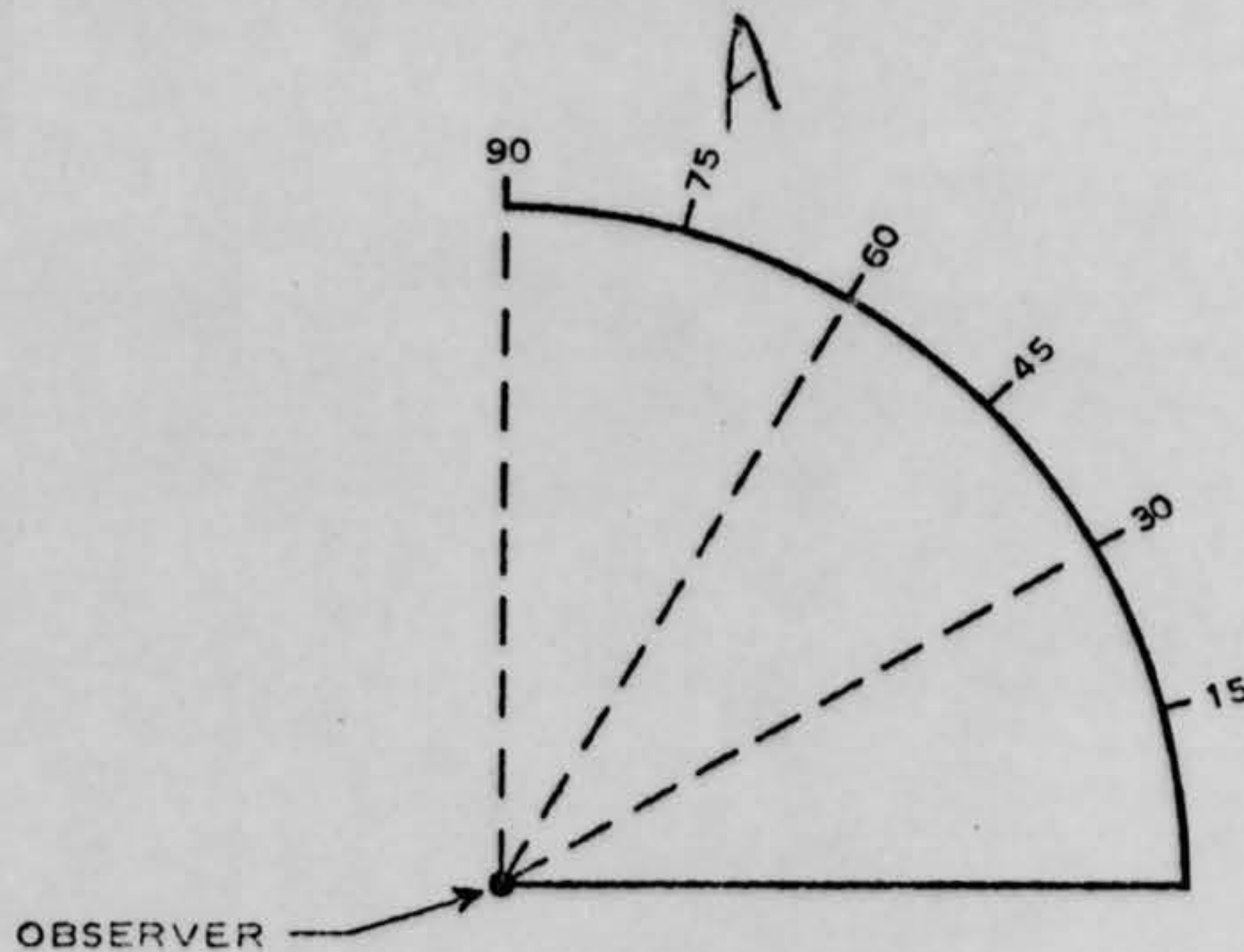
EASTERN  CENTRAL  MOUNTAIN  PACIFIC  OTHER

DAYLIGHT SAVINGS  STANDARD

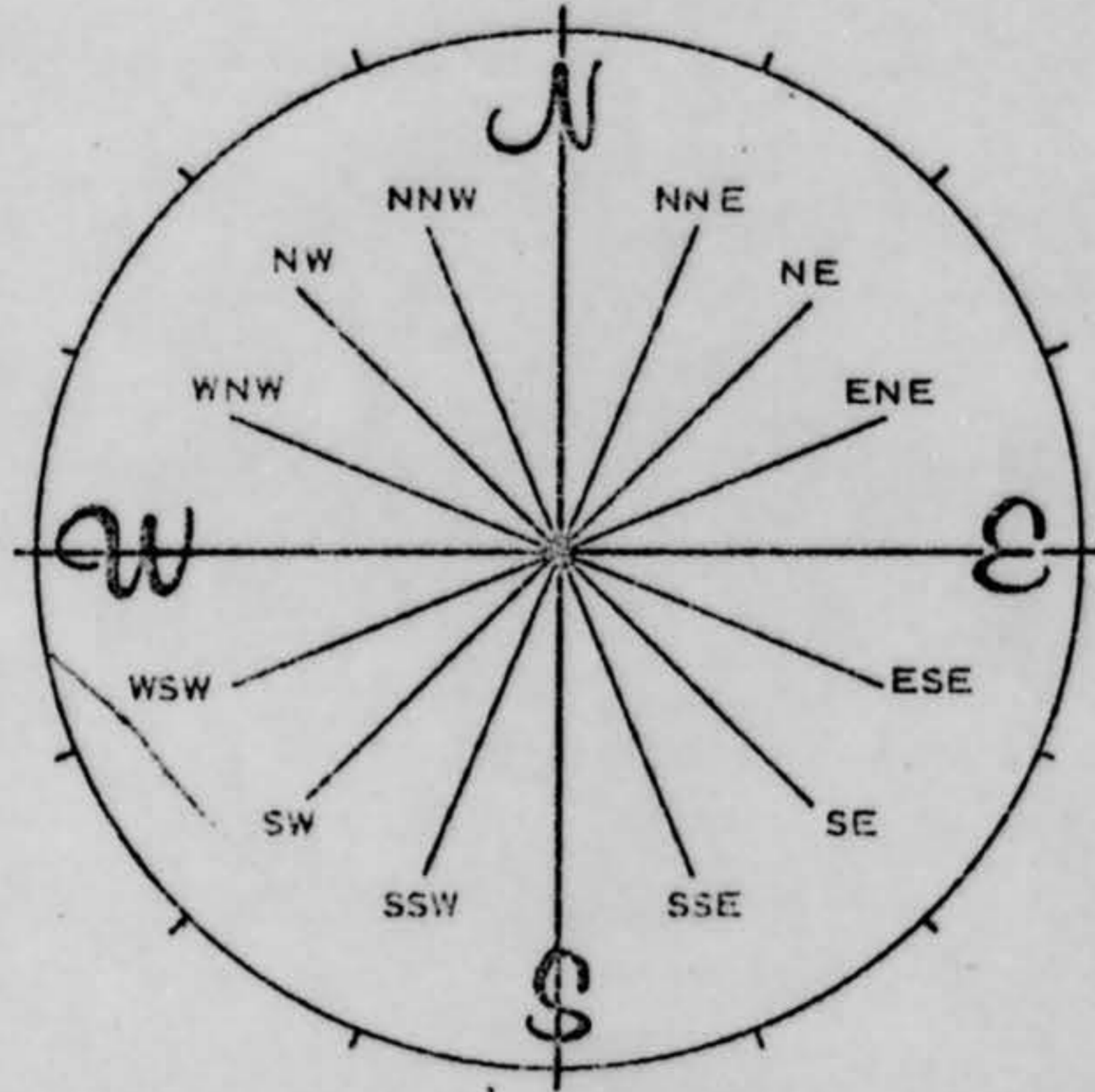
5. WHERE WERE YOU WHEN YOU SAW THE PHENOMENON? IF IN CITY, GIVE THE NEAREST STREET ADDRESS AND INDICATE ON A HAND DRAWN MAP WHERE YOU WERE STANDING WITH REFERENCE TO THE ADDRESS. IF IN THE COUNTRY, IDENTIFY THE HIGHWAY YOU WERE ON OR NEAR AND TRY TO FIX A DISTANCE AND DIRECTION FROM SOME RECOGNIZABLE LANDMARK.



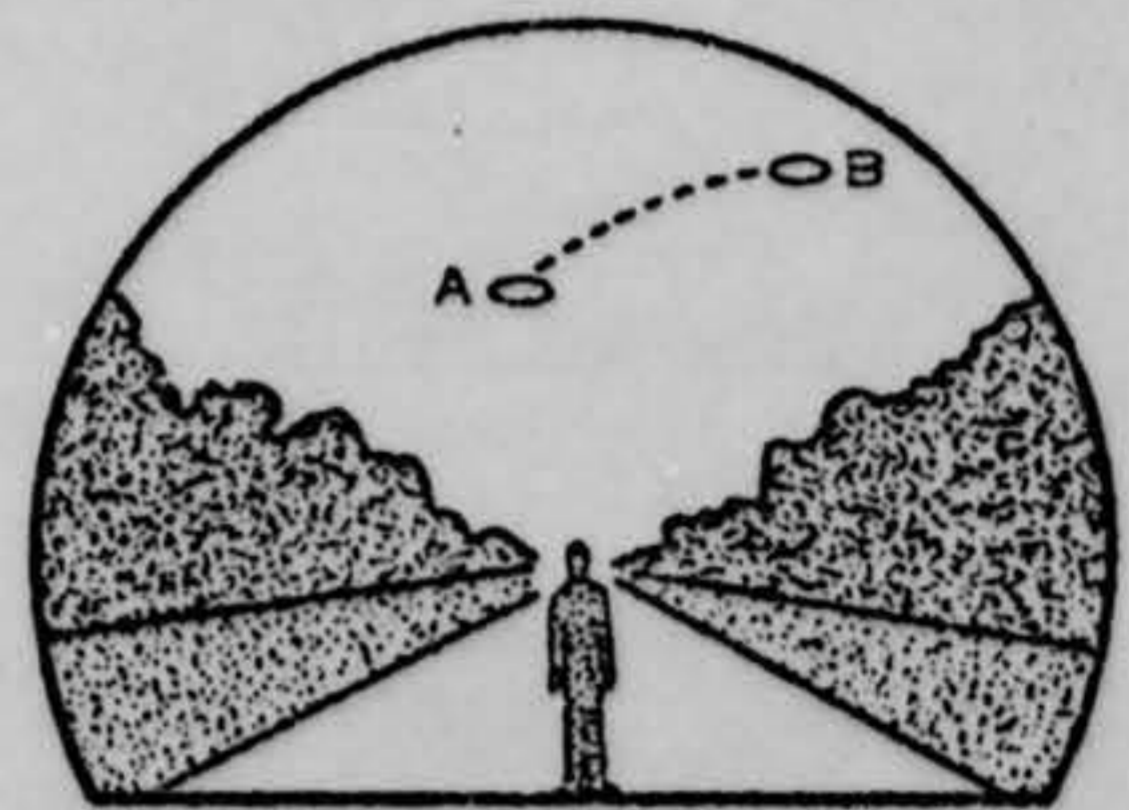
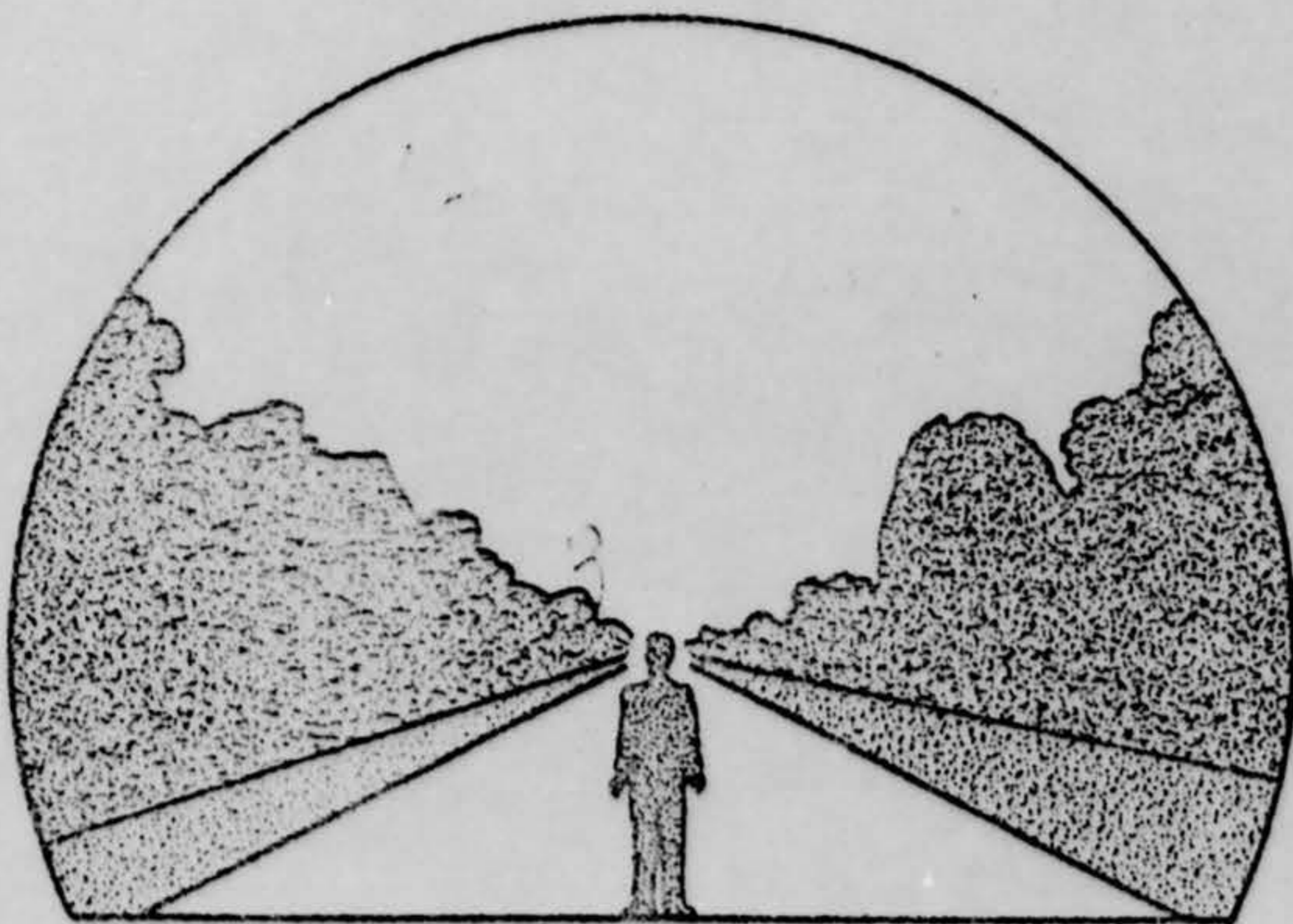
6. IMAGINE YOU ARE AT THE POINT SHOWN IN THE SKETCH, PLACE AN "A" ON THE CURVED LINE TO SHOW HOW HIGH THE PHENOMENON WAS ABOVE THE HORIZON, OR SKYLINE, WHEN FIRST SEEN. PLACE A "B" ON THE SAME CURVED LINE TO SHOW HOW HIGH ABOVE THE HORIZON THE PHENOMENON WAS WHEN LAST SEEN.



6A. NOW IMAGINE YOU ARE AT THE CENTER OF THE COMPASS ROSE. PLACE AN "A" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN FIRST SEEN. PLACE A "B" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN LAST SEEN.



7. IN THE SKETCH BELOW, PLACE AN "A" AT THE POSITION OF THE PHENOMENON WHEN FIRST SEEN, AND A "B" AT THE POSITION OF THE PHENOMENON WHEN LAST SEEN. CONNECT THE "A" AND "B" WITH A LINE TO APPROXIMATE THE MOVEMENT OF THE PHENOMENON BETWEEN "A" AND "B". THAT IS, SCHEMATICALLY SHOW WHETHER THE MOVEMENT APPEARED TO BE STRAIGHT, CURVED OR ZIG-ZAG. REFER TO SMALLER SKETCH AS AN EXAMPLE OF HOW TO COMPLETE THE LARGER SKETCH.





10. IF THERE WERE MORE THAN ONE PHENOMENON, HOW MANY WERE THERE? DRAW A PICTURE TO SHOW HOW THEY WERE ARRANGED. DID THIS ARRANGEMENT CHANGE DURING THE SIGHTING?

*One item seen on trace indicated*

11. CONDITIONS (Check appropriate blocks.)

A. SKY		B. WEATHER	
DAY		CUMULUS CLOUDS (Low fluffy)	FOG OR MIST
TWILIGHT		CIRRUS CLOUDS (High fleecy or Herringbone)	HEAVY RAIN
NIGHT			LIGHT RAIN OR DRIZZLE
<input checked="" type="checkbox"/> CLEAR		NIMBUS CLOUDS (Rain)	HAIL
PARTLY CLOUDY		CUMULONIMBUS CLOUDS (Thunderstorms)	SNOW OR SLEET
COMPLETELY OVERCAST			UNKNOWN
		HAZE OR SMOG	<input checked="" type="checkbox"/> NONE OF THE ABOVE

C. IF THE SIGHTING WAS AT TWILIGHT OR NIGHT, WHAT DID YOU NOTICE ABOUT THE STARS AND MOON?

(1) STARS		(2) MOON	
NONE		BRIGHT MOONLIGHT	<input checked="" type="checkbox"/> NO MOONLIGHT
A FEW		MOON WITH HALO	UNKNOWN
<input checked="" type="checkbox"/> MANY		MOON HIDDEN BY CLOUDS	
UNKNOWN		PARTIAL (New or quarter)	

D. IF SIGHTING WAS IN DAYLIGHT, WAS THE SUN VISIBLE?  YES  NO. IF "YES," WHERE WAS THE SUN AS YOU FACED THE PHENOMENON?

IN FRONT OF YOU	TO YOUR RIGHT	OVERHEAD (Near noon)
IN BACK OF YOU	TO YOUR LEFT	UNKNOWN

E. SPECIFY THE MAJOR SOURCE OF ILLUMINATION PRESENT DURING THE SIGHTING, SUCH AS THE SUN, HEADLIGHTS OR STREET LAMP, ETC. FOR TERRESTRIAL ILLUMINATION, SPECIFY DISTANCE TO LIGHT SOURCE.

*Car lights*

12. GIVE A BRIEF DESCRIPTION OF THE PHENOMENON, INDICATING WHETHER IT APPEARED DARK OR LIGHT, WHETHER IT REFLECTED LIGHT OR WAS SELF-LUMINOUS AND WHAT COLORS YOU NOTICED. DESCRIBE YOUR IMPRESSION OF WHETHER IT WAS SOLID OR TRANSPARENT, WHETHER EDGES WERE SHARP OR FUZZY. DESCRIBE THE SHAPE OR INDICATE IF IT APPEARED AS A POINT OF LIGHT. INDICATE COMPARISONS WITH OTHER OBSERVED OBJECTS, LIKE STARS, A LIGHT OR OTHER OBJECT IN YOUR FIELD OF VIEW.

*white - trail of light at first*

13.	DID THE PHENOMENON	YES	NO	UNKNOWN
	MOVE IN A STRAIGHT LINE?	✓		
	STAND STILL AT ANYTIME?			
	SUDDENLY SPEED UP AND RUN AWAY?			
	BREAK UP IN PARTS AND EXPLODE?		✓	
	CHANGE COLOR?		✓	
	GIVE OFF SMOKE?		✓	
	CHANGE BRIGHTNESS? <i>lost trail of light</i>		✓	
	CHANGE SHAPE?		✓	
	FLASH OR FLICKER?		✓	
	DISAPPEAR AND REAPPEAR?		✓	
	SPIN LIKE A TOP?		✓	
	MAKE A NOISE?		✓	
	FLUTTER OR WOBBLE?		✓	

14. WHAT DREW YOUR ATTENTION TO THE PHENOMENON?

*Brightness in sky*

A. HOW DID IT FINALLY DISAPPEAR?

*landed impact in front of car*

B. DID THE PHENOMENON MOVE BEHIND OR IN FRONT OF SOMETHING, LIKE A CLOUD, TREE, OR BUILDING AT ANY TIME?  
 YES  NO. IF "YES," DESCRIBE.

15. DRAW A PICTURE THAT WILL SHOW THE SHAPE OF THE PHENOMENON. INCLUDE AND LABEL ANY DETAILS THAT MIGHT HAVE APPEARED AS WINGS OR PROTRUSIONS, AND INDICATE EXHAUST OR VAPOR TRAILS. INDICATE BY AN ARROW THE DIRECTION THE PHENOMENON WAS MOVING.

16. WHAT WAS THE ANGULAR SIZE? HOLD A MATCH AT ARM'S LENGTH IN FRONT OF A KNOWN OBJECT, SUCH AS A STREET LAMP OR THE MOON. NOTE HOW MUCH OF THE OBJECT IS COVERED BY THE HEAD OF THE MATCH. NOW IF YOU HAD BEEN ABLE TO PERFORM THIS EXPERIMENT AT THE TIME OF THE SIGHTING, ESTIMATE WHAT FRACTION OF THE PHENOMENON WOULD HAVE BEEN COVERED BY THE MATCH HEAD.

F