

PROJECT 10073 RECORD CARD

1. DATE 25 Jan 54	2. LOCATION Las Cruces, New Mexico	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input checked="" type="checkbox"/> Was Astronomical Meteor <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input type="checkbox"/> Other _____ <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local 2200 MST (M) GMT 26/0500Z	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Air-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Intercept Radar	5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. SOURCE civilian	7. LENGTH OF OBSERVATION 5 - 6 seconds	8. NUMBER OF OBJECTS one
9. COURSE NE to SE	10. BRIEF SUMMARY OF SIGHTING Obj appearing as blob of light which changed brightness. Obj achieved max luminosity at the position directly in front of the observer.	11. COMMENTS Fireball observation.

This report received through Dr. Clyde W. Tombaugh, FDL, WSPG.

Held for return to
Dr. Lynd

WSPG

25/2200 LAS CRUCES NEW MEXICO
Unclassified

Project HENRY

PPS-161

54-T-W

4

Form A

U. S. AIR FORCE TECHNICAL INFORMATION SHEET

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, and will be regarded as confidential material. 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?

25

JAN.

1959

Day

Month

Year

2. Time of day: 2200

Hour

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?

WHITE SANDS PROVING GROUND, LAS CRUCES, NEW MEXICO.

Nearest Postal Address

City or Town

State or Country

Additional remarks: AT A BALLISTIC CAMERA STATION, 5 MILES NORTH
OF ZEBRA ARKANIA (17 MILES FROM ARMY BLOCK HOUSE, AZ=360°)

5. Estimate how long you saw the object.

0
Hours

0
Minutes

5-6
Seconds

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

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

6. What was the condition of the sky?

(Circle One):
a. Bright daylight
b. Dull daylight
c. Bright twilight

d. Just a trace of daylight
e. No trace of daylight
f. Don't remember

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

(Circle One):
a. In front of you
b. In back of you
c. To your right

d. To your left
e. Overhead
f. Don't remember

8. IF you saw the object at NIGHT, TWILIGHT, or DAWN, 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. Was the object brighter than the background of the sky?

(Circle One):

a. Yes

b. No

c. Don't remember

10. IF it was BRIGHTER THAN the sky background, was the brightness like that of an automobile headlight?:

(Circle One) a. A mile or more away (a distant car)?

BRIGHTNESS VARIED FROM LESS THAN +6 TO OVER -1 ON THE LOG. STELLAR MAGNITUDE SCALE.

SEE NOTE AT LEFT,

AND BACK SIDE OF NEXT TO LAST PAGE.

- b. Several blocks away?
- c. A block away?
- d. Several yards away?
- e. Other

11. 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. Flicker, throb, or pulsate?

Yes

No

Don't Know

12. Did the object move behind something at anytime, particularly a cloud?

(Circle One): Yes

No

Don't Know.

IF you answered YES, then tell what it moved behind:

13. Did the object move in front of something at anytime, particularly a cloud?

(Circle One): Yes

No

Don't Know.

IF you answered YES, then tell what it moved in front of:

14. Did the object appear: (Circle One):

a. Solid?

b. Transparent?

c. Don't Know.

~~None of these~~ *

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

- a. Eyeglasses
- b. Sun glasses
- c. Windshield
- d. Window glass

Yes

No

Yes

No

Yes

No

Yes

No

e. Binoculars

Yes

No

f. Telescope

Yes

No

g. Theodolite

Yes

No

h. Other

* THE OBJECT WAS A LIGHT SHOWING ONLY LUMINOSITY WITH NO PHYSICAL DIMENSION DETECTABLE.

16. Tell in a few words the following things about the object.

a. Sound NONE - COMPLETELY SILENT.

b. Color YELLOW WHITE RADIATION CURVE. (STELLAR TYPE GO ON HARVARD SPECTRAL CLASSIFICATION)

17. 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.

AS NOTED ABOVE, THE OBJECT WAS A POINT SOURCE OF LIGHT
NOT RESOLVABLE BY THE UNAIDED EYE INTO ANY PHYSICAL
DIMENSION.

18. The edges of the object were:

(Circle One):

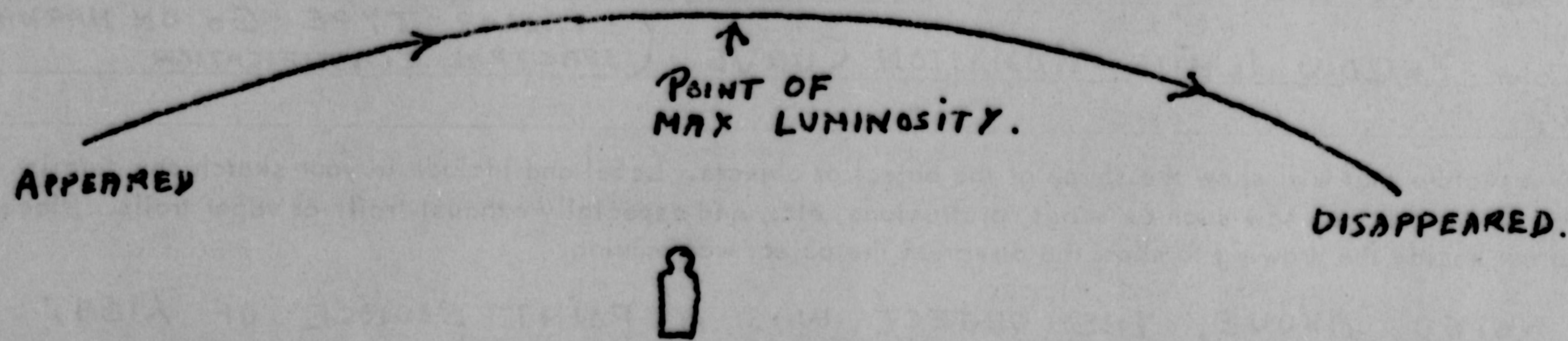
- a. Fuzzy or blurred
- b. Like a bright star
- c. Sharply outlined
- d. Don't remember

e. Other _____

19. IF there was MORE THAN ONE object, then how many were there? ONLY ONE.

Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

20. 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.



HORIZONTAL PROJECTION, OBSERVERS BACK TWOARDS FRONT.

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension.
_____ feet.

22. How large did the object or objects appear as compared with one of the following objects held in the hand and at about arm's length?

ROUGHLY A POINT SOURCE.

(Circle One):

a. Head of a pin	g. Silver dollar
b. Pea	h. Baseball
c. Dime	i. Grapefruit
d. Nickel	j. Basketball
e. Quarter	k. Other _____
f. Half dollar	

22.1 (Circle One of the following to indicate how certain you are of your answer to Question 22.

a. Certain	c. Not very sure
b. Fairly certain	d. Uncertain

23. How did the object or objects disappear from view? BRIGHTNESS FELL OFF AS A FUNCTION OF DISTANCE, UNTIL THE OBJECT BECAME TOO FAINT TO OBSERVE.

24. In order that you can give as clear a picture as possible of what you saw, we would like for you to imagine that you could construct the object that you saw. Of what type material would you make it? How large would it be, and what shape would it have? 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.

I CANNOT EXTRAPOLATE MUCH MORE, THAN THAT IT WAS A SOURCE OF LIGHT. TO AVOID CONFUSION ~~CONFUSION~~ I CAN POINT OUT, THAT IT MOST DEFINITELY WAS NOT A METEOR. WHAT IT WAS I DONT KNOW, AND I MUST REFUSE TO GUESS.

25. 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
- e. At sea
- f. Other _____

26. Were you (Circle One)

- a. In the business section of a city?
- b. In the residential section of a city?
- c. **In open countryside?** **DESERT.**
- d. Flying near an airfield?
- e. Flying over a city?
- f. Flying over open country?
- g. Other _____

27. What were you doing at the time you saw the object, and how did you happen to notice it?

I WAS PREPARING A CAMERA STATION FOR A MISSILE SHOOT, AND WAS LOOKING UP AT THE STARS TO SEE IF THEY WERE SUITABLE FOR A BALLISTIC CAMERA STAR CALIBRATION.

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

NOT MOVING.

28.1 What direction were you moving? (Circle One)

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

28.2 How fast were you moving? _____ miles per hour.

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

(Circle One) Yes No

29. What direction were you looking when you first saw the object? (Circle One)

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

30. What direction were you looking when you last saw the object? (Circle One)

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

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was upward from the horizon (elevation).

31.1 When it first appeared:

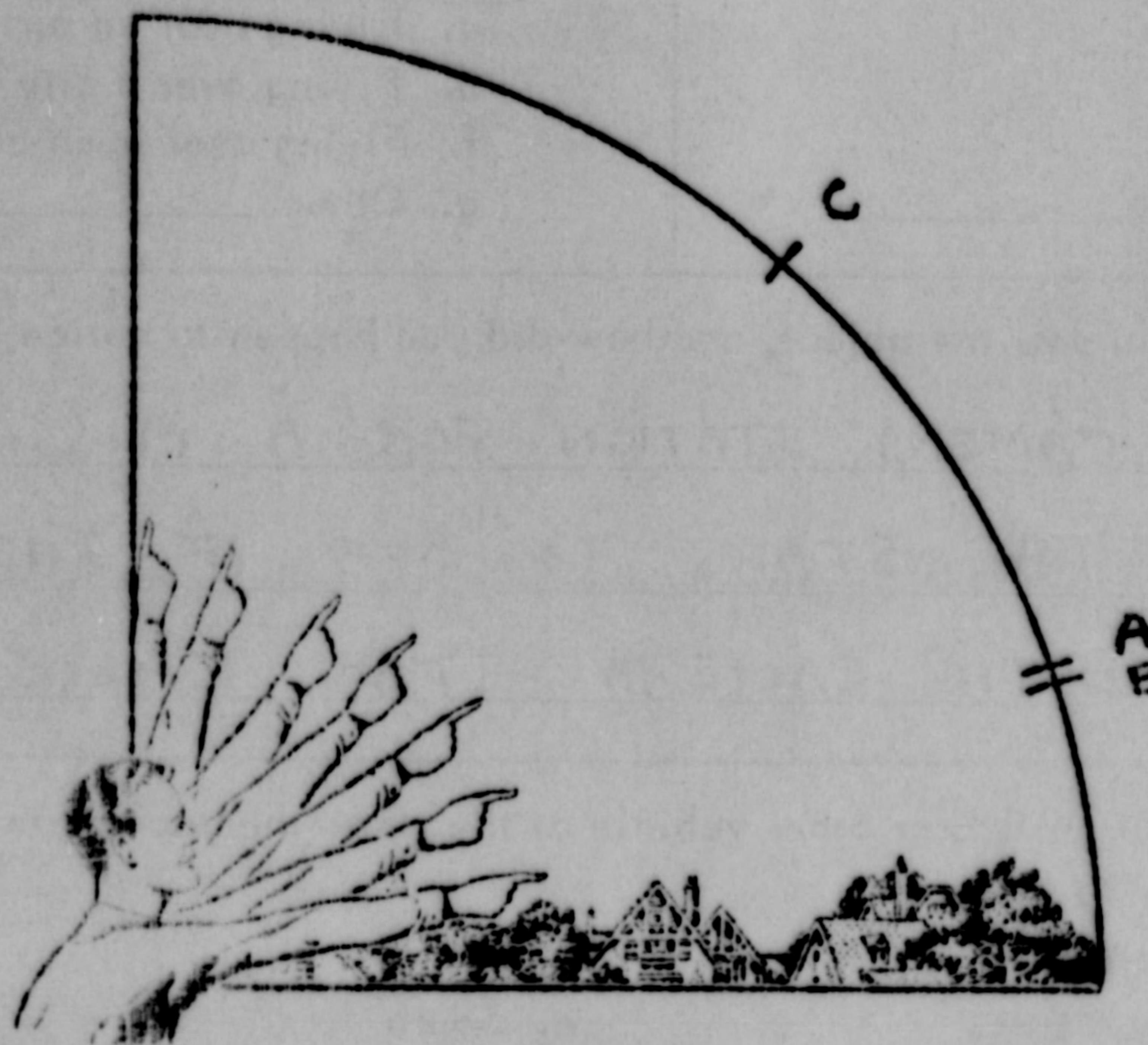
- a. From true North 30° - 45° degrees.
- b. From horizon 25° ± 5 degrees.

AT MAXIMUM ELEVATION AND LUMINOSITY, IT HAD AN AZIMUTH OF ABOUT 90° - 100° AND AN ELEVATION OF 50° ± 5

31.2 When it disappeared:

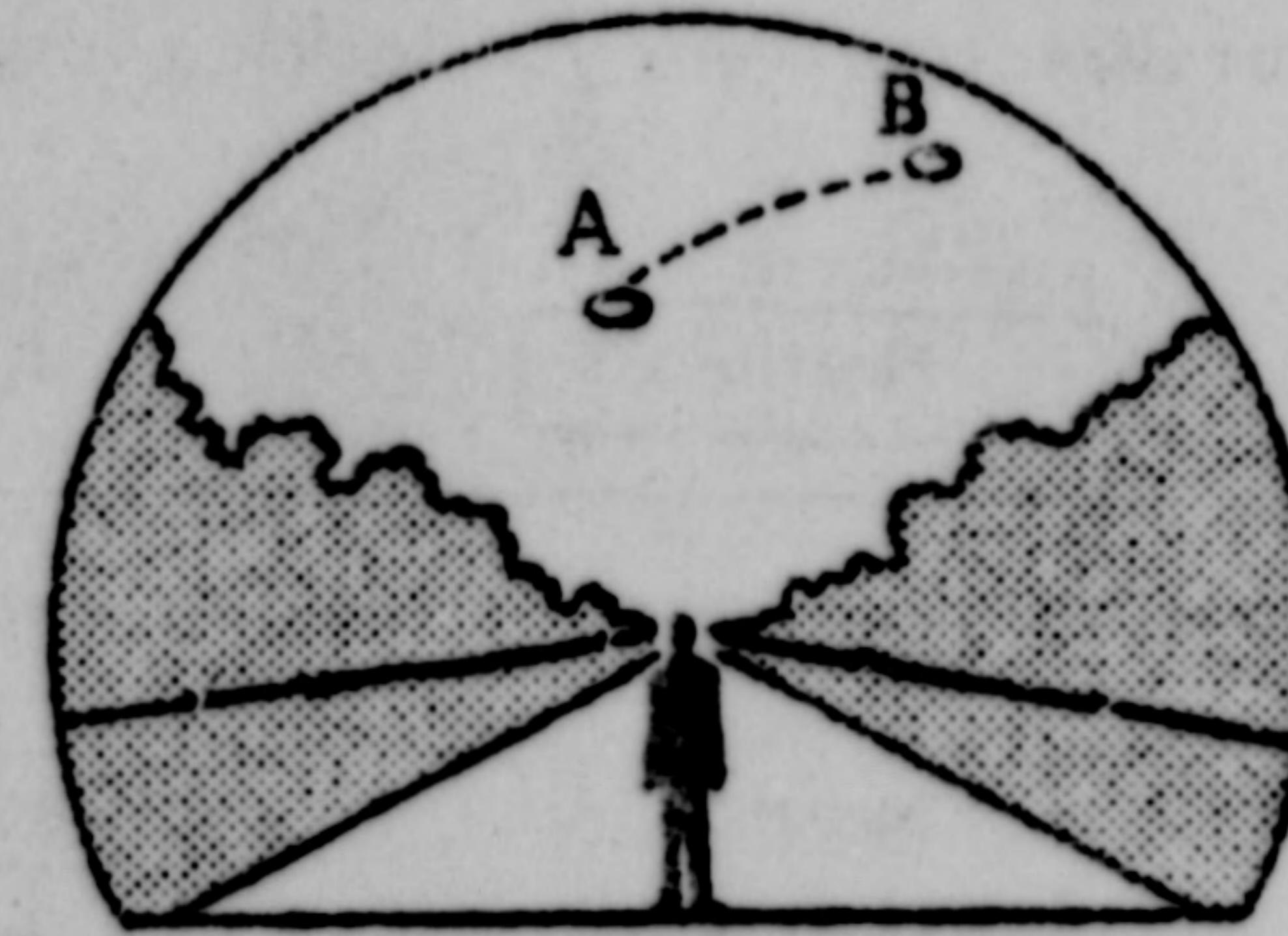
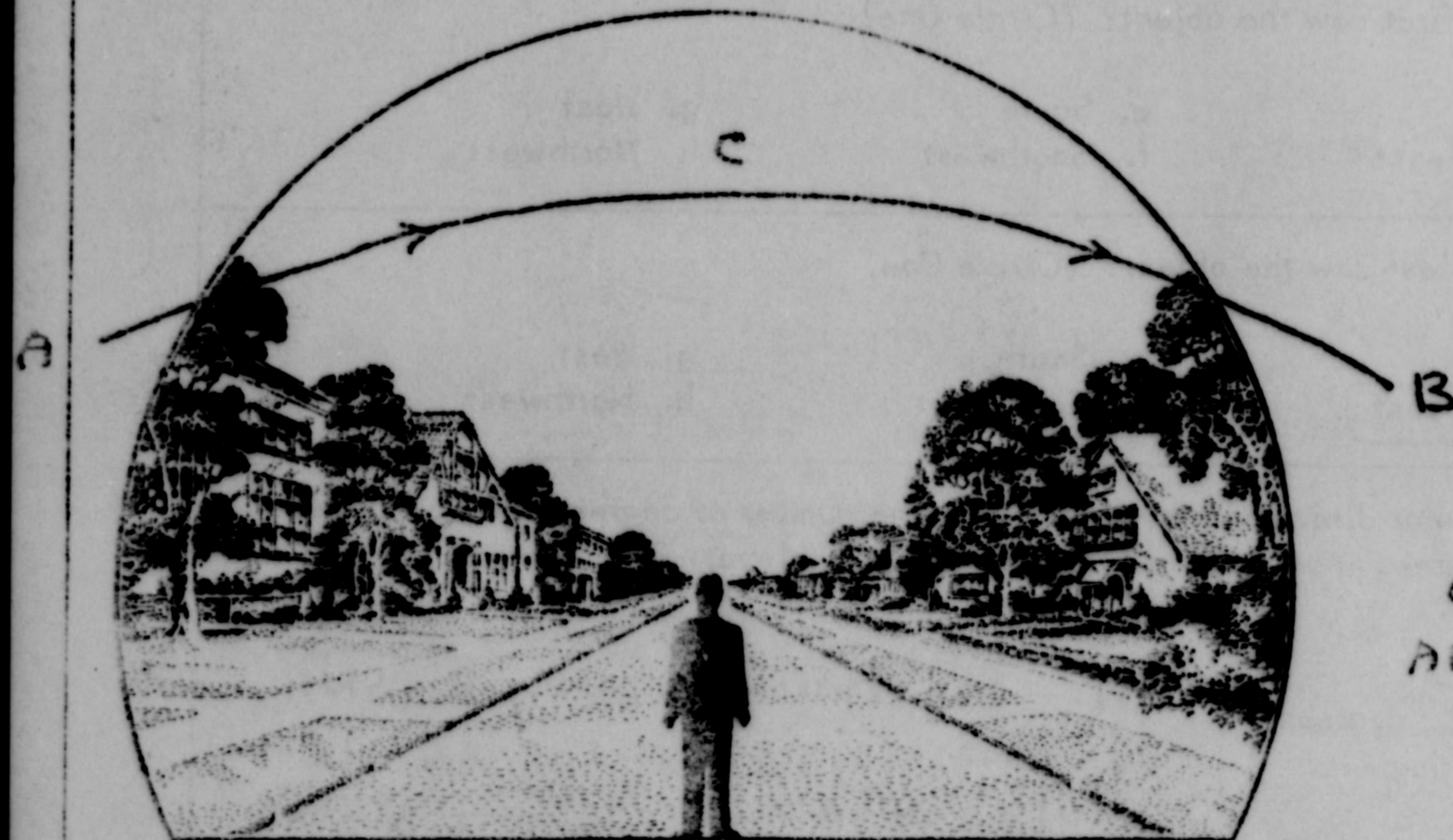
- a. From true North 150° ± 10 degrees.
- b. From horizon 25° ± 5 degrees.

32. 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.



C = MAXIMUM ELEVATION.

33. In the following larger sketch place an "A" at the position the object was when you first saw it, and a "B" at its position when you last saw it. Refer to smaller sketch as an example of how to complete the larger sketch.



OBJECT SWEPT OUT APPROXIMATELY 120° IN AZIMUTH.

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

34.1 CLOUDS (Circle One)

- a. Clear sky
- b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds
- e. Don't remember

34.2 WIND (Circle One)

- a. No wind
- b. Slight breeze
- c. Strong wind
- d. Don't remember

34.3 WEATHER (Circle One)

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

34.4 TEMPERATURE (Circle One)

- a. Cold
- b. Cool
- c. Warm
- d. Hot
- e. Don't remember

35. When did you report to some official that you had seen the object?

27

JAN.

1959.

Day

Month

Year

36. Was anyone else with you at the time you saw the object?

(Circle One) Yes

 No

HOWEVER, IT WAS ESTABLISHED THAT

36.1 IF you answered YES, did they see the object too? ANOTHER STATION OPERATOR OBSERVED IT FROM OBOE ASKANIA,

(Circle One) Yes No

36.2 Please list their names and addresses:

17 MILES SOUTH EAST OF MY ^{OBSE} POSITION. HIS APPROXIMATE AZIMUTH ED ELEVATION WAS 300° SWEPT EAST FROM NORTH. (NNW) AND ABOUT 40° EL.

37. Was this the first time that you had seen an object or objects like this?

(Circle One) Yes

 No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

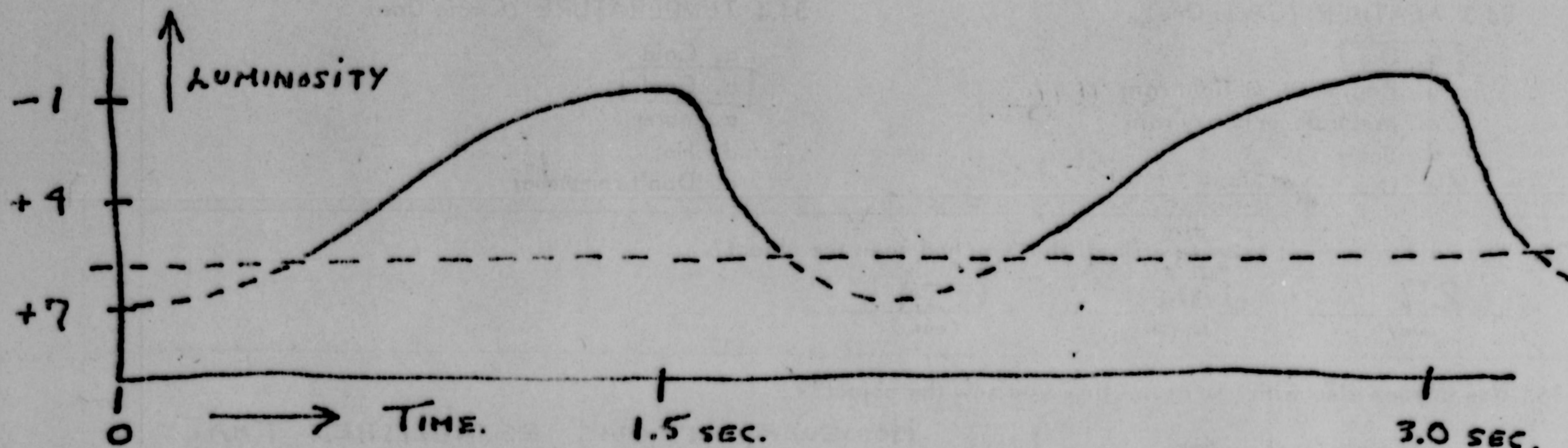
NOV OF 1951 I OBSERVED TWO OBJECTS, ABOUT THREE HOURS APART ON THE SAME EVENING. THEY WERE FIREBALLS AND APPEARED AS GREEN AS A FLAME TEST ON COPPER. IT MUST HAVE COME FROM BRIGHT LINE SPECTRAL EMISSION. THEY MAY HAVE BEEN METEORS OF AN EXTREMELY UNUSUAL TYPE, THOUGH I DOUBT IT.

38. In your opinion what do you think the object was and what might have caused it?

No COMMENT.

ADDITIONAL INFORMATION NOT COVERED IN FORM.

THIS OBJECT WAS A PULSATING LIGHT, OBSERVED THROUGH FOUR COMPLETE CYCLES. THE PERIOD WAS APPROXIMATELY 1 $\frac{1}{2}$ SECONDS, AND A ROUGH PERIOD-LUMINOSITY CURVE ON THE LOGARITHMIC STELLAR MAGNITUDE SCALE IS DRAWN BELOW:



THE PART OF THE CURVE BELOW THE DOTTED LINE IS EXTRAPOLATED BEYOND THE LIMIT OF UNAIDED VISION

THE IDENTITY OF THIS OBJECT CAN BE DEFINITELY ESTABLISHED TO BE THE SAME AS THAT OF THE ONE OBSERVED AT OBOE ASKANIA, BY INTER-COM EXCHANGE IMMEDIATELY FOLLOWING THE SIGHTING.

THE OPERATOR WHO CONFIRMED THIS OBSERVATION FROM OBOE ASKANIA STATION WAS:

[REDACTED]
O.T.S. - F.M.B.
FLIGHT DETERMINATION LABORATORY,
WHITE SANDS PROVING GROUND,
LAS CRUCES, N. MEX.

I WOULD BE QUITE WILLING TO DISCUSS FURTHER DETAILED INFORMATION WITH AN AUTHORIZED REPRESENTATIVE.

R.D.S.
~~

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

(Circle One) Yes No30° AZIMUTH / SEC. AT MIDPOINT.
ASSUMING A RAUGH TRIANGULATION
FROME OBJECT TO BE VALID,

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

12,000 m.p.h. \pm 3000

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

(Circle One) Yes NoALSO ASSUMING THE
ABOVE.

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

12 MILES, feet. \pm 3 MILES.

41. Please give the following information about yourself:

NAME

First Name

Middle Name

ADDRESS

Street

LAS CRUCES,

NEW MEXICO.

Zone

State

TELEPHONE NUMBER

(OR) WHITE SANDS
PROVING G.

What is your present job? TECHNICIAN - TECHNICAL SERVICE UNIT, ORDNANCE CORPS.

WHITE SANDS PROVING GROUND.

Age 28

Sex MALE

Please indicate any special educational training that you have had.

a. Grade school GRAD. e. e. Technical school _____b. High school GRAD. (Type) _____c. College COLUMBIA UNIVERSITY. f. Other special training SEE BELOW.

d. Post graduate _____

42. Date you completed this questionnaire:

27

JAN

1951

Day

Month

Year

UNDER SPECIAL TRAINING, IN ADDITION TO MY COLLEGE WORK, MAY BE LISTED FIVE YEARS EXPERIENCE IN ASTRONOMY AND ASTRONOMICAL OBSERVING, INCLUDING WORK AT LOWELL OBSERVATORY, FLAGSTAFF, ARIZONA, AND AS A FACULTY MEMBER OF THE UNIVERSITY OF CHICAGO, IN DEPT. OF ASTRONOMY AT YERKES OBSERVATORY. I HAVE OBSERVED MANY THOUSANDS OF METEORS AND CAN DEFINITELY STATE THAT THIS OBJECT WAS NOT ANY TYPE OF METEOR.

PLEASE SEE NOTE ON OPPOSITE BACK PAGE.