

Mr & Mrs

PROJECT 10073 RECORD CARD

1. DATE 30 Jan 62		2. LOCATION St. Paul, Minnesota		12. CONCLUSIONS	
3. DATE-TIME GROUP Local 1640 GMT 30/2240Z		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar		<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 type="checkbox"/> Was Astronautical <input checked="" type="checkbox"/> Probably Astronautical Solid <input type="checkbox"/> Possibly Astronautical Solid <input type="checkbox"/> Other <input type="checkbox"/> Insufficient Data for Classification <input type="checkbox"/> Unknown	
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Civilian			
7. LENGTH OF OBSERVATION aprox 1/2 sec		8. NUMBER OF OBJECTS one	9. COURSE descending		
10. BRIEF SUMMARY OF SIGHTING The witnesses observed an object in the NW sky descending at a very high speed at an angle of aprox 45°, glowing a dull red and leaving a trail. Exploded and disappeared. Duration was aprox 1/2 sec. This event was witnessed and reported by many individuals having either air-borne or ground vantage points.			11. COMMENTS This object possesses all characteristics of the classic bolide. Further, there is no evidence available which indicates that this object was anything else or was a threat to our national security.		

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 (type)
- 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?
- d. 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?

Walking across a large vacant lot (coming from an S.R.H. Green Stamp Store) when my wife told me to "look at the shooting star"

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

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 | <input checked="" type="radio"/> h. Northwest |
| | | | i. Overhead |

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 | <input checked="" type="radio"/> h. Northwest |
| | | | i. Overhead |

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

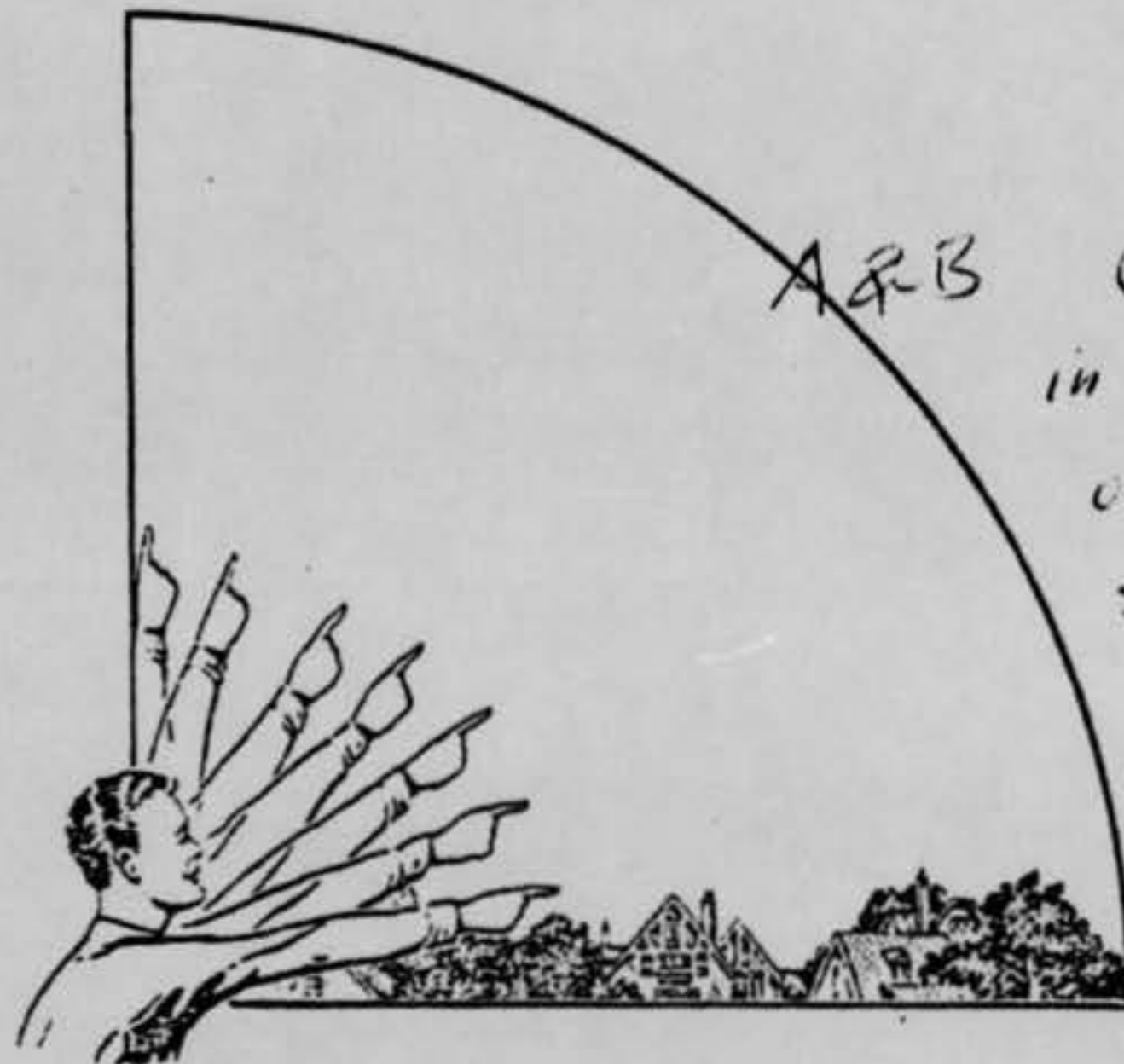
31.1 When it first appeared:

- a. From true North 330° degrees.
- b. From horizon 45° degrees.

31.2 When it disappeared:

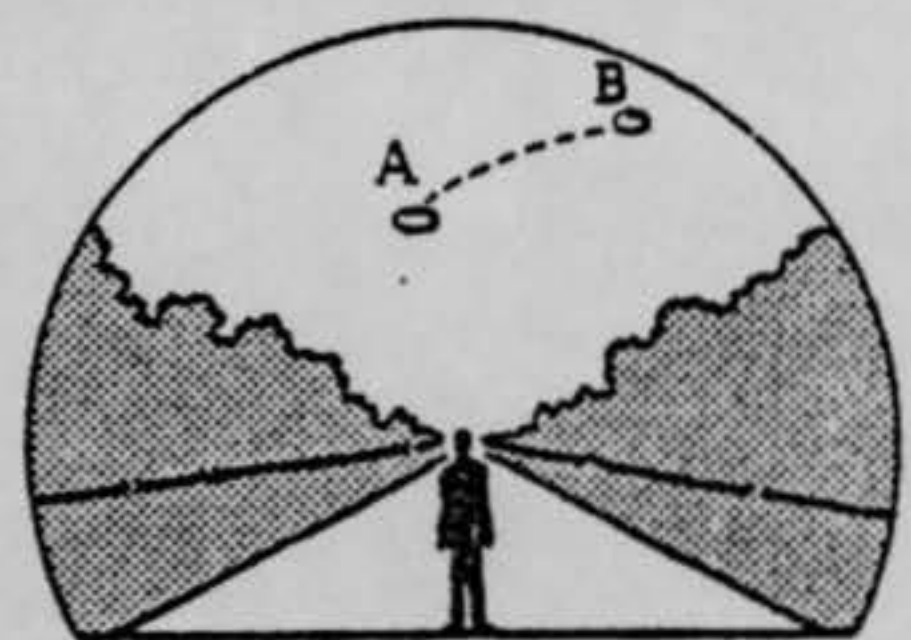
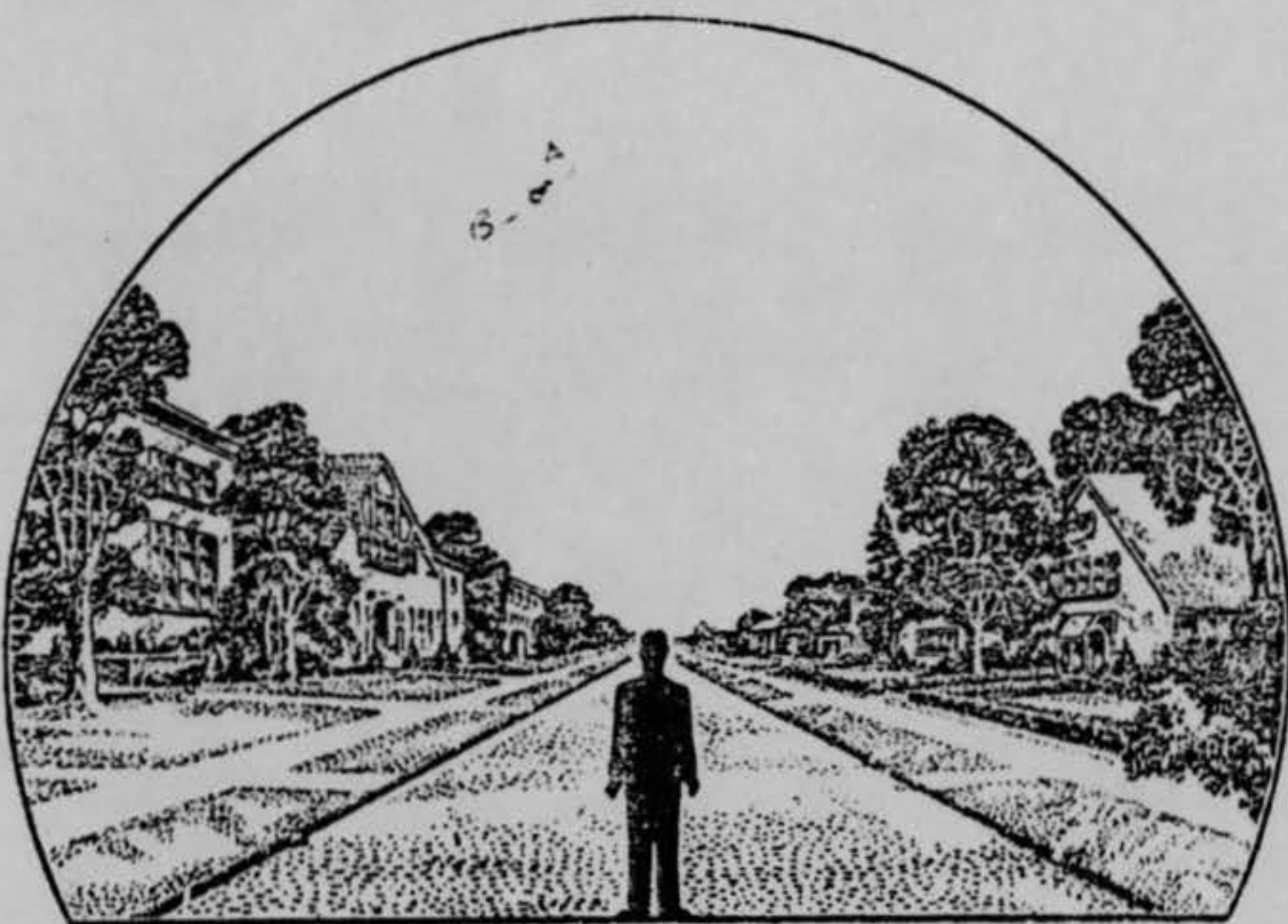
- a. From true North 330° degrees.
- b. From horizon 45° degrees.

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.



A & B (the event occurred in a very small section of the sky, ~~the~~ subtended less than 10^{-4} steradians)

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.



34. 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

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

Tuesday January 30 1962
 Day Month Year

St. Paul Pioneer Press
 and Dispatch

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

(Circle One) Yes No

36.1 IF you answered YES, did they see the object too?

(Circle One) Yes No

36.2 Please list their names and addresses:

~~_____~~ (My wife)
 St. Paul 5, Minnesota

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

(Circle One) Yes No

Unless it was a meteor

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

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

My belief is that it was either a bolide, or a large meteor which created a shock wave upon entry into the atmosphere and ~~the~~ which shock wave reflected the light of the setting sun, making the object appear to explode.

39. 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? _____

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

(Circle One)

Yes

No

I believe the object was at or near the top of the atmosphere, about 100,000 to 150,000 ft. and the angle of elevation was about 45°

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

41. Please give the following information about yourself:

NAME

Last Name

First Name

Middle Name

ADDRESS

Street

St. Paul
City

8
Zone

Minnesota
State

TELEPHONE NUMBER _____

Age

23

Sex

M

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

I am working for a Master's degree in Physics (Specifically, in Cosmic Rays) at the University of Minnesota, and have had opportunities to launch and observe Cosmic Ray high altitude balloons.

42. Date you completed this questionnaire:

Sunday
Day

February 11
Month

1962
Year

I am sending with this report the report I wrote for my own reference on the morning following the incident, as it contains my first (and fresh) opinions of the details concerning this event. I would like to discount in particular some local news reports of observer's statement that the object was only 300 feet above the ground. My reasons for this are the complete absence of sound and, more importantly, that the smoke or vapor trail remained relatively undiffused for more than 5 minutes, which would not happen at 300 ft.

**U.S. AIR FORCE TECHNICAL INFORMATION SHEET
(SUMMARY DATA)**

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the questionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.

NAME

(Please Print)

(Do Not Write in This Space)

CODE:

SIGNATURE

DATE

I first mailed the description following to AFIC, center USAF, Washington 25, DC, and received the very cordial letter from Major Hart of which letter I am sending you the carbon copy, which explains how I received ~~your~~ your name. Please find stapled to the page following the carbon copy of Major Hart's letter and my letter of January 31, concerning the incident.

Thank you,

Sunday, February 4, 1967

Dear Sir,

After reading three newspaper accounts and hearing of two television news broadcasts concerning the "U.F.C." seen over the St. Paul - Minneapolis area on January 30, I am sending you the report I wrote at the suggestion of my advisor, Dr. P. S. Philp, cosmic ray physics, University of Minnesota, on the morning after the incident.

I would like to make two corrections and an addendum to this report as it stands;

- 1) My wife informs me she said to "look at the 'shooting star'" - not the meteorite.
- 2) The vapor trail may not have been vapor - it could have been smoke - but it had the white appearance of the contrail from a high altitude jet.
- 3) No audible report was heard from the event by my wife or I.

The angles and direct measurements are approximations but as a candidate for the masters degree in cosmic ray physics at the University of Minnesota I have had opportunities to participate in balloon launchings and feel I have a "feeling" for these quantities.

Sincerely

St. Paul 8, Minnesota

U.S. A.F.

1950

DC

June 30, 1950

At 11:40 pm CST on June 30, 1950, my wife ~~_____~~ and I
were sitting near the rear of the Lexington in St. Louis. ~~_____~~
"I had to look at the meteorite." About 450' elevation, in the

Northwest sky I saw a shooting object moving with a high
velocity with a projected path of about 450 to the vertical.

The object immediately appeared to burst into flame. ~~_____~~
said she saw the shooting for two seconds before the "explosion".

The object left a trail extending about 1 degree in
the sky. The trail that was being compared to the
flame of a diffuse light was visible in many places.

There was no visible clouds from the event.

We checked the local newspapers (St. Louis Post-Dispatch) and were
informed that there was an article on the incident and that
it was a meteorite. The newspaper indicated that
the meteorite was not seen by the St. Louis Observatory
and that it was probably a fireball from the
area. The article stated that the meteorite was
of an iron-nickel type in the "Report" section.

~~_____~~

DEPARTMENT OF THE AIR FORCE
WASHINGTON

OFFICE OF THE SECRETARY

February 8, 1962

Dear Mr. [REDACTED]

Thank you for your very informative letter. I called Wright-Patterson AFB and found they have not as yet received any official reports on your particular sighting...so I am returning your report along with our standard form, with the request that you and your wife fill it out and send it to

Hqs Foreign Technology Division (TD-E)
Air Force Systems Command
Wright-Patterson AFB, Ohio
ATTN: Major Robert Friend

There are presently two possibilities in my mind, a jet after burner or a bolide...but until we get as full as possible a report, they can only be conjecture.

I am also inclosing an extra form in case you can contact someone else who also saw the same thing you saw.

Thank you very much. When we get an answer, I'll be happy to let you know the results.

Sincerely,

- 3 Incls.
1. Report fm Mr. [REDACTED]
2. Forms (2 sets)
3. Fact Sheet

C. R. HART
Major, USAF
Public Information Division
Office of Information

Mr. [REDACTED]
[REDACTED]
St. Paul 8, Minnesota

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. The object appeared:

(Circle One): a. As a light b. Shiny c. Dark d. Don't remember

10. If it appeared as a light, was it brighter than the brightest stars?

11. Did the object:

(Circle One for each question)

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

12. 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: _____

13. 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: _____

14. Did the object appear: (Circle One): a. Solid b. Transparent c. Vapor d. Don't Know

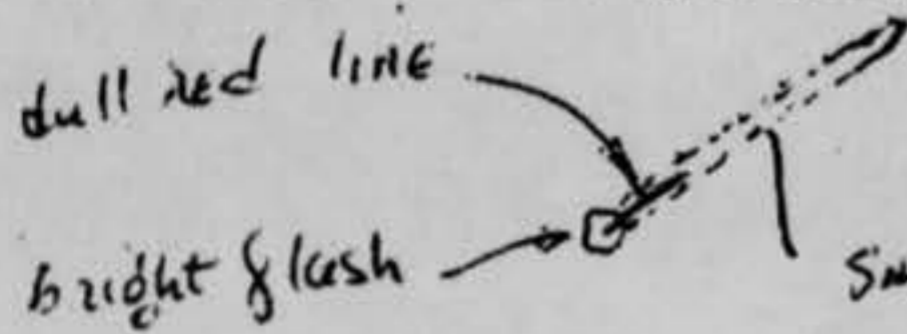
15. Did you observe the object through any of the following?

- | | | | | | |
|-----------------|-----|-------------------------------------|----------------|-----|-------------------------------------|
| a. Eyeglasses | Yes | <input checked="" type="radio"/> No | e. Binoculars | Yes | <input checked="" type="radio"/> No |
| b. Sun glasses | Yes | <input checked="" type="radio"/> No | f. Telescope | Yes | <input checked="" type="radio"/> No |
| c. Windshield | Yes | <input checked="" type="radio"/> No | g. Theodolite | Yes | <input checked="" type="radio"/> No |
| d. Window glass | Yes | <input checked="" type="radio"/> No | h. Other _____ | | |

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

- a. Sound None whatsoever
- b. Color Changed from a dull red streak (as a meteor might appear during the day) to a bright flash.

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.



smoke or vapor trail left after the object disappeared, short, clearly defined (Subtending only about a 1° arc in the sky) and remaining relatively undiffused during five minutes of observation (like a high flying jet's)

18. The edges of the object were:

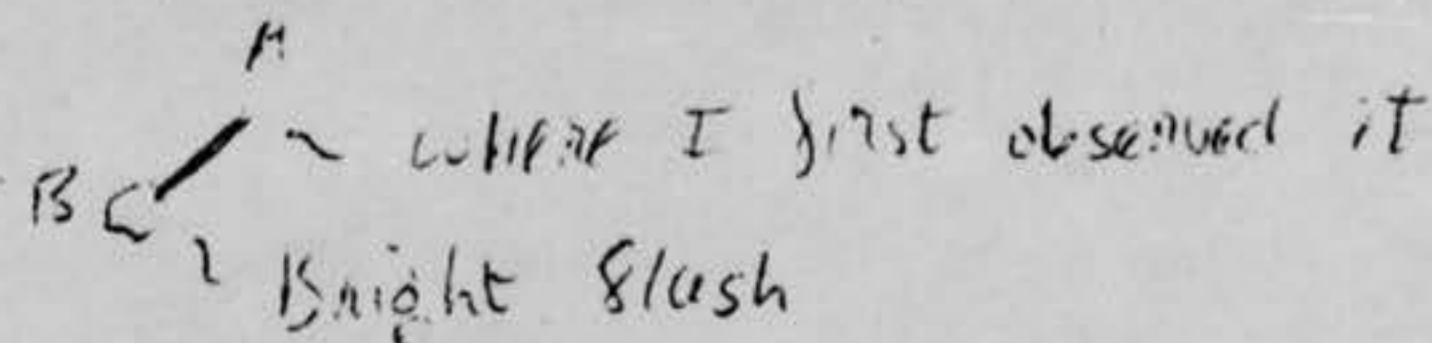
- (Circle One):
- a. Fuzzy or blurred
 - b. Like a bright star
 - c. Sharply outlined
 - d. Don't remember

e. Other The object itself was too far away to be distinguishable - the bright flash was sharply outlined.

19. 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.

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.



21. How large did the object appear to you as compared to an object with which you are familiar?

The smoke or vapor trail was about 2 Solar diameters

22. 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?

The bright flash would have been just about completely covered by the match head.

23. Did the object disappear while you were watching it? If so, how? Appeared to burst in to flame and disappeared

24. 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.

A bolide (I have never seen one - but the description sounds similar), or a large meteorite whose shock wave could possibly have reflected the rays of the setting sun.