PROJECT 10073 RECORD CARD

1. DATE 7 Aug 52	2. LOCATION DULUTH, MINN.	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon
3. DATE-TIME GROUP Local 07/1506 CST GMT 07/2106 Z	4. TYPE OF OBSERVATION XX Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft
5. PHOTOS ☐ Yes XX No	6. SOURCE Weather Observer	☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical
7. LENGTH OF OBSERVATION 2 Min.	8. NUMBER OF OBJECTS 1	9. COURSE ☐ Other XX Insufficient Data for Evaluation ☐ Unknown

10. BRIEF SUMMARY OF SIGHTING

Observer was tracking balloon by theodolite when he discovered a small object in the sky which he observed for two minutes. Observer could not locate the object again after adjusting theodolite to check on pilot balloon. Object was not moving. Had appearance of bright spot of sunlight.

11. COMMENTS

ATIC FORM 329 (REV 26 SEP 52)

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

(Circle One): Yes or (No)

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

(Circle One): Yes or No

29.2 Please list their names and addresses:

30. Please add here any further comments which you believe are important. Use additional sheets of the same size paper if necessary.

Since I have taken pilot balloon observations for 24 years I know that the phenonomen was not one usually observed. The position did not change in the theodolite for a full minute. With respect to movement this leaves three possibilities for that minute: 1- The object did not move; 2- The object climbed at 22.0° above the horrizontal in the direction of 237.3°; 3- The object descended at 22.0° above the horrizontal in the direction of 237.3°.

Since moving the theodolite caused the object to move across the field of vision it probably could not have been caused by any defect in the instrument

1. [illegible]
2. ATIA
3. C. Files

RE Ø61

ACTION

WPBØ47

YMKØ23

1952 AUG 9 A 03 55

JEDKF ØØ9

PP JEDEN JEDWP JEPHQ 333

DE JEDKF Ø36A

ATIC INFO

P Ø82Ø3ØZ ZNJ

1952 AUG 9 07:1

FM CO 73D AB SQ WM JHN ARTP DULUTH MINN

TO JEPHQ/D/INTELL HQ USAF WASHINGTON 25 D C

INFO JEDWP/AIR TECH INTELL CEN WRIGHT PATTERSON AFB OHIO

JEDEN/CG ADC ENT AFB COLO SPRINGS COLO

[redacted] 73 INTEL 4Ø5 PD FLYOBRPT. ONE SMALL BRIGHT LIGHT, COLOR OF SUNLIGHT, NO SOUND OR MOVEMENT . OBSERVED THRU THEODOLITE APPEARED 1/2Ø IN LONG 1/4Ø IN HIGH. OBSERVED BY [redacted] CAA METEOROLOGIST OBSERVING WEA BALLOON WM-JOHNSON ARPT DULUTH MINN FROM 21Ø6Z TO 21Ø8Z 7 AUG 52. WIND AT 18ØØØ FT 25Ø DEGREES 15 KNOTS. NO PHYSICAL EVI ENCE , NO INTERCEPT OR IDENTIFICATION. END

Ø8/23Ø5Z AUG HM2

Cy 1

AF FORM 112—PART II
APPROVED 1 JUNE 1948

[redacted] (CLASSIFICATION)

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)	REPORT NO.	PAGE 1 OF 1 PAGES
73rd Air Base Squadron	IR-3-52c	

Weather Bureau Airport Station, Duluth, Minnesota, August 8, 1952.

REPORT BY U.S. WEATHER BUREAU METEOROLOGIST OF LIGHT SEEN IN PILOT BALLOON OBSERVATION THEODOLITE.

During the routine afternoon pilot balloon observation taken on August 7, 1952, a small bright light appeared in the theodolite. The light as viewed in the theodolite eyepiece was approximately one twentieth inch long, and about half as high as it was long. Its third dimension could not be observed. Its color was the color of sunlight. I do not know when the light moved into, or originated on, the field of vision. Due to its small size it was noticied only by accident.

In following the drift of the balloon the movement of the theodolite caused the small bright light to move to the edge of the field of vision. Since I wanted to keep the light in the field of vision I let the balloon pass out of the field, and I brought the small bright light back to the center of the field. There appeared to be no movement of the light during the minute when I had it centered in the theodolite field. Its azimuth angle remained at 237.3 degrees, and the elevation angle at 22.0 degrees.

I have no estimate to give concerning the actual size of the object, or of its distance from this station.

In attempting to fulfill my purpose of observing (the pilot balloon) I moved the theodolite to the position where I expected to find the balloon. Then I immediately moved it back to 237.3 azimuth and 22.0 degrees elevation. However, I then could not find the light. I actually observed the light for somewhat more than the two minutes from 1506 to 1508 CST.

Winds aloft computed from this observation, given in thousands of feet MSL, degrees from North, and in knots were: 2-200-7, 3-220-10, 4-240-14, 5-250-18, 6-250-16, 7-250-16, 8-240-20, 9-240-18, 10-240-18, 12-230-17, 14-220-12, 16-240-16, 18-250-15.

I do not know whether the light was reflected from some object, or if it had its own source of light. The light was shimmering and bright, but not dazzling. It was bright enough so that I could not define its borders.

Since moving the theodolite caused the light to move across the field of vision I know that the light was not caused by any flaw in any part of the instrument.

No publicity was given the observing of this phenomenon.

s/t [redacted]
Meteorologist

[redacted] (CLASSIFICATION)

16—55570-1 U. S. GOVERNMENT PRINTING OFFICE

AF FORM 112—PART I
APPROVED 1 JUNE 1948

(CLASSIFICATION)

COUNTRY	REPORT NO.	(LEAVE BLANK)
USA	IR-9-52C	

AIR INTELLIGENCE INFORMATION REPORT

SUBJECT
FLYOBRPT

AREA REPORTED ON	FROM (Agency)
Duluth, Minnesota	73rd Air Base Squadron

DATE OF REPORT	DATE OF INFORMATION	EVALUATION
8 August 1952	7 August 1952	

PREPARED BY (Officer)	SOURCE
Loren F. England, 2d Lt, USAF	

REFERENCES (*Control number, directive, previous report, etc., as applicable*)

SUMMARY: (*Enter concise summary of report. Give significance in final one-sentence paragraph. List inclosures at lower left. Begin text of report on AF Form 112—Part II.*)

One small bright light, color of sunlight, no sound, no movement. Observed by [redacted] CAA Meterologist while observing weather balloon through theodolite at Williamson-Johnson Airport, Duluth, Minnesota. Observed through theodolite eyepiece, object appeared approximately 1/20 inch long and 1/40 inch high.

2106Z - 2108Z

Observed for two minutes from [redacted] to 2108Z, 7 August 1952.

Mr. [redacted]s a CAA meterologist, should be considered reasonably reliable. Winds at 18,000 feet, 250 degrees, 15 knots. Full wind report and location of object given in narrative report.

No physical evidence, no interception, no identification.

7-3719-AD

_____ INCLS.

DISTRIBUTION BY ORIGINATOR

(CLASSIFICATION)

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TENTATIVE
OBSERVERS QUESTIONNAIRE

SECTION A

1. When did you see the object:

1.1 Date: 7 (Day) August (Month) 1952 (Year)

1.2 Time of day: 15 (Hrs.) 06 to 08 (Min.) ~~A.M.~~ or (P.M.) (Circle One)

1.3 Time Zone: (Circle One):

a. Eastern
b. (Central)
c. Mountain
d. Pacific
e. Other _____

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

1.4 Circle one of the following to indicate how certain you are of your answer to the above question 1.2:

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

2. Where did you see the object?

Weather Bureau Airport Station (Postal Address) | Duluth (City or Town) | Minnesota (State) | St. Louis (Country)

3. 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 _____

3.1 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. Flying near an airfield?
e. Flying over a city?
f. Flying over open country?
g. Other on airfield - not flying

4. How did you happen to notice the object? During routine pilot balloon I saw a small bright light in the eyepiece of a standard Weather Bureau theodolite.

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

7 (Day) August (Month) 1952 (Year)

SECTION B

6. What were you doing at the time you saw the object? Making routine Weather Bureau pilot balloon observation

6.1 What had you been doing for the 30 minutes before you saw the object? Try to list the activity or activities, and the approximate amount of time spent on each.

Preparing for pilot balloon observation - 4 minutes

Observing pilot balloon - 26 minutes

7. Were you moving at any time while you saw the object? (Circle One):

Yes or (No.)

IF you answered YES, then complete the following questions.

7.1 What direction were you moving?

(Circle One):

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

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

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

(Circle One): Yes or No

8. What direction were you facing when you first saw the object?

(Circle One):
a. North
b. Northeast
c. East
d. (Southeast)
e. South
f. Southwest
g. West
h. Northwest

1. Object lens of theodolite was facing NE at 237°

8.1 What direction were you facing when the object disappeared?

(Circle One):
a. North
b. Northeast
c. East
d. (Southeast)
e. South
f. Southwest
g. West
h. Northwest

i. Object lens of theodolite was facing NE at 237°

8.2 Circle one of the following to indicate how certain you are of your answer to the above two questions. (8 and 8.1).

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

9. Were you wearing eye glasses when you saw the object? (Circle One):

(Yes) or No

10. How was the object seen?

(Circle One):
a. Through window glass
b. Through windshield
c. Through binoculars
d. Through telescope
(e. Through theodolite)
f. Through sun glasses
g. Through open space
h. Other _____

11. What do you remember about the weather conditions at the time you saw the object? Weather Bureau Records show scattered clouds at 3500 ft. and thin scattered clouds at about 30,000 ft. Heavy Cumulus Southeast.

11.1 CLOUDS (Circle One)

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

11.2 WIND (Circle One)

a. No wind
b. Slight breeze
c. Strong wind
d. Don't remember
e. South 10 mph

11.3 WEATHER (Circle One)

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

11.4 TEMPERATURE (Circle One)

a. Cold
b. Cool
c. Warm
d. Hot
e. Don't remember
f. 78°F

SECTION C

12. Estimate how long you saw the object? 0 Hours 2 Minutes 10 Seconds

12.1 Circle one of the following to indicate how certain you are of your answer to Question 12:

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

13. Did the object look: (Circle One) Solid or Transparent? Couldn't tell. It looked like a bright light.

14. Did the object at any time:

(Circle One for each question)

14.1	Change direction?	Yes	(No)	Don't know
14.2	Change speed?	Yes	No	(Don't know)
14.3	Change size?	Yes	(No)	Don't know
14.4	Change color?	Yes	(No)	Don't know
14.5	Break up into parts or explode?	Yes	(No)	Don't know
14.6	Give off smoke?	Yes	(No)	Don't know
14.7	Change brightness?	Yes	(No)	Don't know
14.8	Flicker, throb, or pulsate? (Shimmer)	(Yes)	No	Don't know
14.9	Remain motionless?	(Yes)	No	Don't know

15. Did the object give off a light? (Circle One): (Yes) No Don't know It either gave off light from its own source or reflected light

15.1 IF you answered YES, what was the color of the light? Like sunlight, but possibly a little more yellowish.

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

16.1 Sound None

16.2 Color Yellowish sunlight

17. 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 they were traveling.

18. Did the object at any time:

18.1 Move behind something? (Circle One) Yes (No) Don't know

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

_____

18.2 Move in front of something? (Circle One) Yes (No) Don't know

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

_____

18.3 Blend with the background? (Circle One) Yes (No) Don't know

19. Which of the following objects is about the same actual size as the object you saw? (Circle One):

a. Pea
b. Baseball
c. Basketball
d. Bicycle wheel
e. Office desk
f. Automobile
g. Small airplane
h. Large airplane
i. Dirigible
j. Other *In eyepiece of theodolite object was about 1/20 inch long and about one half as high as it was long. I do not know the magnifying power of the theodolite.*

19.1 Circle one of the following to indicate how certain you are of your answer to Question 19.

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

20. Try to tell the following things about the object:

20.1 How high above the earth was it? *No idea* feet. *22.0° above the horizontal*

20.2 How far was it from you? *No idea* feet or _____ miles

20.3 How fast was it going? *No idea* miles per hour.

20.4 Circle one of the following to indicate how certain you are of your answer to the above questions:

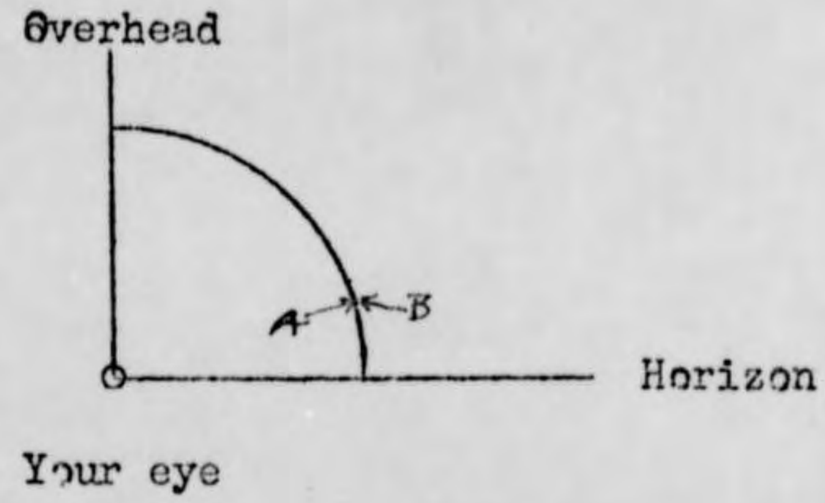
a. (Certain)
b. Fairly certain
c. Not very sure
d. Just a guess

21. How did the object disappear from view?

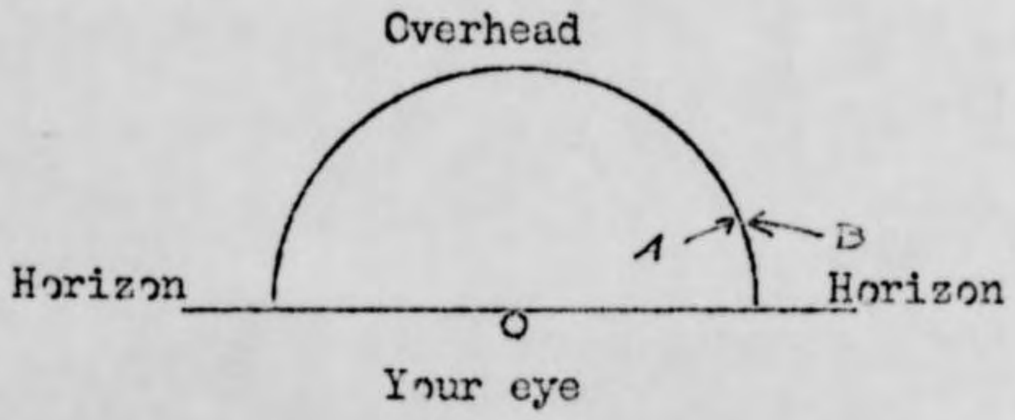
(Circle One):
a. Suddenly
b. Gradually
c. Other _____
d. Don't remember
e. *It disappeared while I turned the theodolite away to get another reading of the pilot balloon's position. When I returned the theodolite to 228, 23.3° I could no longer find the object. Moving the theodolite away and then back again took about 5 seconds*

SECTION D

22. In the following sketch, imagine your eye at the point shown. Place an "A" on the curved line to show how high the object was above the horizon when you <u>first</u> saw it. Place a "B" to show where it was when when you <u>last</u> saw it.



23. In the following 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.

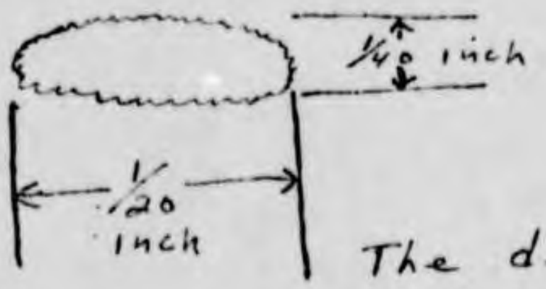


24. Draw a picture that will show the motion that the object made. Place an "A" at the beginning of its path and a "B" at the end of its path.

No visible motion

25. Draw a picture that will show the shape of the object. Label and include in your sketch any details of the object that you saw, and place an arrow beside the drawing to show the direction the object was moving.

Object was bright enough so that its borders could not be defined. No Movement visible.



The demensions are as seen in the theodolite and magnified thereby

SECTION E

26. Was this the first time that you have seen an object like this?
(Circle One): (Yes) No

26.1 IF you answered NO, then when, where, and under what conditions did you see other ones? _____

27. In your opinion what do you think the object was and what might have caused it? I have no opinion as to its composition or cause. It could see only light.

28. Give the following information about yourself:

NAME [redacted] [redacted] [redacted]
Last Name First Name Middle Name

ADDRESS [redacted] [redacted] 2 Minnesota
Street City Zone State

OR → Weather Bureau Airport Station, Duluth 6 Minnesota

TELEPHONE NUMBER Home 2-7363 Office 2-3588

What is your present job? U.S. Weather Bureau Meteorologist

Age 47

Sex Male

Last School Attended Gustavus Adolphus College, St. Peter, Minnesota

Year of last attendance at this school 1927