

PROJECT 10073 RECORD

1. DATE - TIME GROUP 11 September 50 12/0345Z	2. LOCATION Adak, Alaska
3. SOURCE Military	10. CONCLUSION Other (LENS FLARE)
4. NUMBER OF OBJECTS One	A pronounced flare spot, in addition to the main image, was noted with the lens wide. Any camera movement caused the flare spot to move, as well as the main image. Flare images are always encountered in
5. LENGTH OF OBSERVATION About 6 Minutes	11. BRIEF SUMMARY AND ANALYSIS in photography when an unusually bright object is included in the field of view, and when the exposure is not portionally reduced.
6. TYPE OF OBSERVATION Ground-Visual	See Case File
7. COURSE SW	
8. PHOTOS ☒ Yes IN FILE ☐ No	
9. PHYSICAL EVIDENCE ☐ Yes ☒ No	

DISPOSITION FORM

UNCLASSIFIED

FILE NO.

SUBJECT

Analysis of Photos

TO WCEFP-2
WRR

FROM ATIAA-5

DATE 2 Sept 52
Capt Ruppelt/jos
65365/B263D/PD28

COMMENT NO. 1

1. Attached are a series of photos taken by a Coast Guard photographer. The circumstances under which they were taken are given in the attached folder. The photos are evidently multiple exposures of the sun during an eclipse.

2. It is requested that WCEFP-2 make comments on these photos.

1 Incl
Ref Folder

DONALD L. BOWER, Colonel, USAF
Chief, Technical Analysis Division
Air Technical Intelligence Center

TO ATIAA-5

FROM WCLFP-2

DATE
SEP 15 1952

COMMENT NO. 2
Mr. J. Chapman/ms
31381/B17/R119

1. The attached photographs have been examined and the probable explanation has been determined. A 4" x 5" Speed Graphic camera with coated lens was pointed toward the sun, and the image was examined on the ground glass. A pronounced flare spot, in addition to the main image, was noted with the lens wide open, f/4.7. Any camera movement caused the flare spot to move, as well as the main image. Inserting a flat glass filter before the lens in the conventional position produced additional flare spots, which moved about with slight variations in filter orientation.

2. Flare images are always encountered in photography when an unusually bright object is included in the field of view, and when the exposure is not proportionally reduced. The stated exposure is considerably in excess of normal for an object as bright as the sun, as shown also by considerable halation of the negatives about the sun images.

3. It is probable that the spots in question are nothing more than flare spots due to overexposure for sun brightness.

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

1 Incl
n/c

Delwin B. Avery
DELWIN B. AVERY, Colonel, USAF
Chief, Photo Reconnaissance Lab
Directorate of Laboratories

UNCLASSIFIED

CONCURRENCE:

J. Chapman WCLFP-2

DD FORM 1 FEB 50 96

REPLACES NME FORM

1 OCT 50 WHICH MAY BE USED

GOVERNMENT PRINTING OFFICE : 1952 O. 46875

UNCLASSIFIED

ADAK, ALASKA

11 September 1950

On 11 September 1950 at 4:45 pm, a Coast Guard photographer took four photographs of the total eclipse of the Sun, whose path of totality crossed the Aleutian Islands near Adak, Alaska. The photographer noticed nothing at the time when he took the pictures. It was two years after the photographs had been taken that the observer noticed the images on the film.

The photographs were examined and the probable cause determined. A 4" x 5" Speed Graphic Camera with coated lens was pointed toward the sun, and the image was examined on the ground glass. A pronounced flare spot, in addition to the main image, was noted with the lens wide open, f/4.7. Any camera movement caused the flare spot to move, as well as the main image. Inserting a flat glass filter before the lens in the conventional position produced additional flare spots, which moved about with slight variations in filter orientation.

Flare images are always encountered in photography when an unusually bright object is included in the field of view, and when the exposure is not proportionally reduced. The stated exposure is considerably in excess of normal for an object as bright as the sun, as shown also by considerable halation of the negatives about the sun images.

It is probable that the spots in question are nothing more than flare spots due to overexposure for sun brightness.

DISPOSITION FORM

SECURITY CLASSIFICATION

ON (if any)

UNCLASSIFIED

FILE NO.

SUBJECT (Unclassified) Material for Project Blue Book

TO

Chief, Air Technical
Intelligence Center,
Wright-Patterson AFB,
Ohio

FROM

Dept of the AF
Hq USAF AFOIN-2A2

DATE 12 AUG 52

COMMENT NO. 1

9 Aug 52 Maj Fournet/71016

1. The inclosed letter with attachments is forwarded for appropriate action.
2. Request that acknowledgment be made to the Commandant, U. S. Coast Guard, and that a statement of evaluation of the photographs be included. Additionally, since no disposition of the negatives was indicated, it is suggested that the Coast Guard be queried about this.

BY COMMAND OF THE CHIEF OF STAFF:

4 Incls

1, 2 & 3 N/C

4 Added

Ltr fr Commandant, U.S.
Coast Guard 30 Jul 52

WILLIAM W. WILCOX

Colonel, USAF

Chief, Policy and Management Group
Office, Deputy Director for Estimates
Directorate of Intelligence

UNCLASSIFIED

UNITED STATES COAST GUARD

ADDRESS REPLY TO:
COMMANDANT
U. S. COAST GUARD
HEADQUARTERS
WASHINGTON 25, D. C.



OIN
30 July 1952
FILE:

From: Commandant, U. S. Coast Guard
To: Director of Intelligence, Headquarters USAF, Washington 25, D.C.
Subj: Unidentified Flying Objects Reporting
Ref: (a) Air Force Letter No. 200-5

Pursuant to the instructions contained in reference (a) the enclosures are forwarded herewith for evaluation.

F. G. Eastman
F. G. EASTMAN
By direction

Encls: (1) Ltr from ~~SECRETARY OF DEFENSE~~ 47 ETC
(2) 4 negatives
(3) 7 pictures

7 July 1952
~~SECRET~~

From: ~~Commandant, U.S. Coast Guard~~ ETC, USCG

RECEIVED
PUBLIC INFORMATION DIVISION

To: Lt. Edward J. Ruppelt, USAF
U.S. Air Force, Air Technical Intelligence Command
Officer in Charge Project BLUEBOOK

JUL 10 1952

Via: Commandant
U.S. Coast Guard
Washington, D.C.

U. S. COAST GUARD
WASHINGTON, D. C.

Subject: Four Photographic Negatives, showing images of the Sun in partial eclipse and in addition, unidentified images.

1. The enclosed subject negatives were exposed under the following conditions:

- a) Camera; 4 x 5 Speed Graphic
- b) Lens; Kodak Ektar, COATED, f. 4.7, 127mm
- c) Film; Kodak Super XX, film pack
- d) Filter; Wratten "A"
- e) Exposure; 1/100 sec. at f. 22
- f) Place; From the weather deck of the U.S. Coast Guard Cutter NORTHWIND in the Bering Sea about 40 miles north of Adak in the Aleutian Islands
- g) Time; About 1600 hours in zone "plus eleven"
- h) Date; Total Eclipse of the Sun in the summer of 1950, whose path of totality crossed the Aleutian Islands near Adak Alaska
- i) Developed; 6 July 1952 in Kodak Microdol, 13 mins at 78°F

2. These negatives bear the pack sequence numbers 2, 3, 4 and 5 and when viewed with the clipped corner held to the lower left, the eclipse images were exposed from left to right and from top to bottom, at fairly uniform intervals of approximately 30 seconds each.

3. It is apparent that the unidentified images to the right of the eclipse images are all of the same object, but vary in size, shape, attitude, altitude and distance from the eclipse image in each case. The possibility that they have some simple explanation in optics or meteorology has been considered carefully and in view of the inconsistencies mentioned were deemed worthy of being forwarded for expert scrutiny.



11 500

1

TENTATIVE
OBSERVERS QUESTIONNAIRE

SECTION A

1. When did you see the object:

1.1 Date: 11 Sept 1950 (12 Sept 1950 - 0345 GMT)
Day Month Year

1.2 Time of Day: 4 45 A.M. or (P.M.) (Circle One)
Hrs. Min.

1.3 Time Zone: (Circle One):

a. Eastern
b. Central
c. Mountain

d. Pacific
(e.) Other Bering (Zone +11)

(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 were you when you saw the object:

U.S.C.G.C. NORTHWIND Y/FPO, Seattle Wash U.S.A.
Postal Address City or Town State Country

Additional Remarks: Ship was about 40 miles NORTH of ADAK (Aleutian Island),
Alaska heading approximately South making about 11.4 knots

3. Where were you located when you saw the object:

(Circle One): a. Inside a building d. In an airplane
b. In a car (e.) At sea
c. Outdoors 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 at sea, Bering Sea

LEWIS

4. How did you happen to notice the object? The unidentified images on the negatives enclosed in my letter of 7 July 1952 were first noticed upon development on 6 July 1952

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

7 July 1952
Day Month Year

SECTION B

6. What were you doing at the time you saw the object? Photographing the sun in partial eclipse — I noticed nothing at the time, however

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.

I never "saw" the object — I discovered it almost two years later on my AXS negatives, already in your custody

7. Were you moving at any time while you ^{Photographed} 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 e. South
b. Northeast f. Southwest
c. East g. West
d. Southeast h. Northwest

7.2 How fast were you moving? 13.11 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 looking when you first saw the object?

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

8.1 What direction were you looking when the object disappeared?

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

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

- | | |
|---|------------------|
| ☒ a. Certain | c. Not very sure |
| b. Fairly certain | 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 | e. Through theodolite |
| b. Through windshield | f. Through sunglasses |
| c. Through binoculars | g. Through open space |
| d. Through telescope | ☒ h. Other <u>on photographic film.</u> |

11. What do you remember about the weather conditions at the time you saw the object?

11.1 CLOUDS (Circle One)

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

11.3 WEATHER (Circle One)

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

11.2 WIND (Circle One)

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

11.4 TEMPERATURE (Circle One)

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

SECTION C

12. Estimate how long you saw the object?

75% of the duration of the echo
 Hours Minutes Seconds
or about 6 minutes

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 (see negatives)

14. Did the object at any time:

(Circle One for each question)

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

15. Did the object give off a light? (Circle One): Yes No (Don't know)

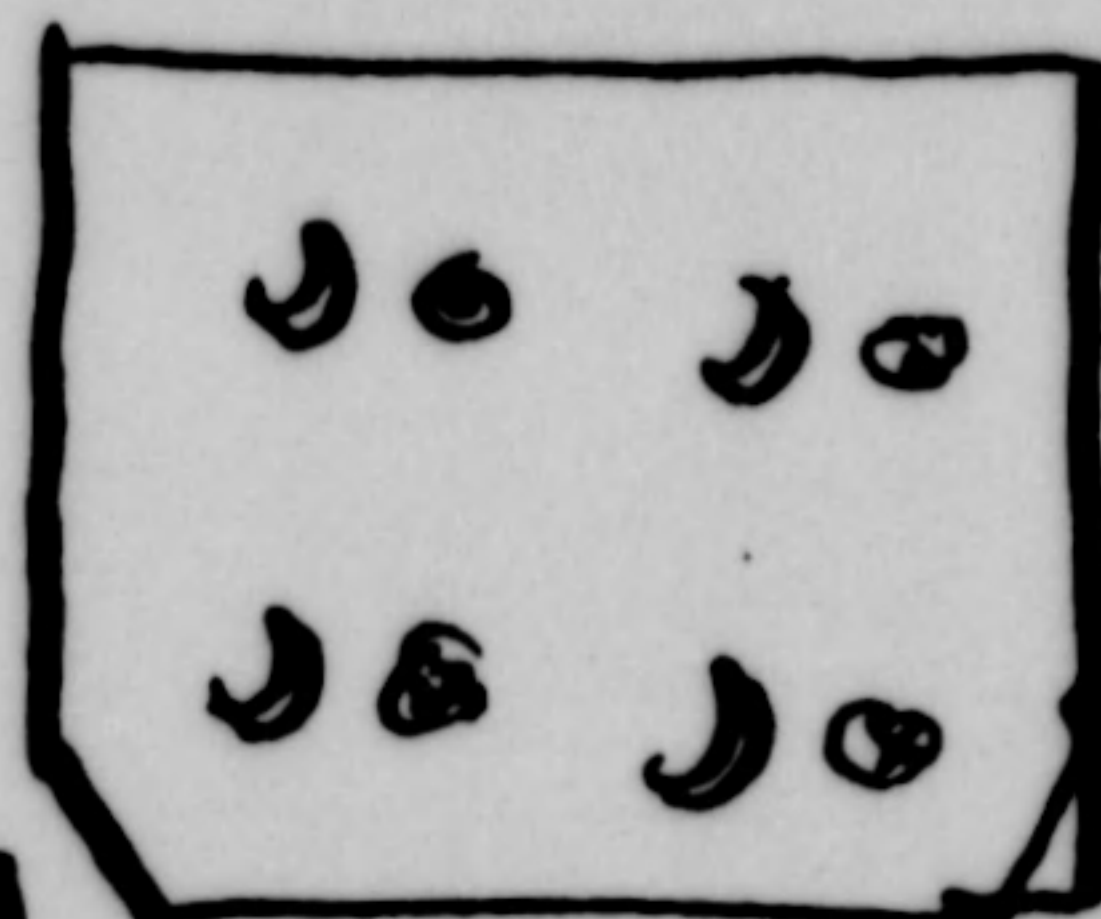
15.1 IF you answered YES, what was the color of the light?

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

16.1 ~~Sound~~ See my negatives in your possession

16.2 ~~Color~~ _____

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



☉ = sun in partial eclipse
⊙ = unidentified images

- sketch of negatives numbered 2, 3 & 4.

#5 had 9 sun images and the unidentified images are no doubt obscured in most cases by 9 exposures on the same sheet of film.

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 (all I know is what I saw or the negatives)
- j. Other

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:

negatives question

- 20.1 How high above the earth was it? _____ feet.
- 20.2 How far was it from you? _____ feet or _____ miles.
- 20.3 How fast was it going? _____ 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 (careful scrutiny of negative)
 - d. Don't remember #5 may reveal

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 (skyline) when you first saw it. Place a "B" to show where it was when you last saw it.

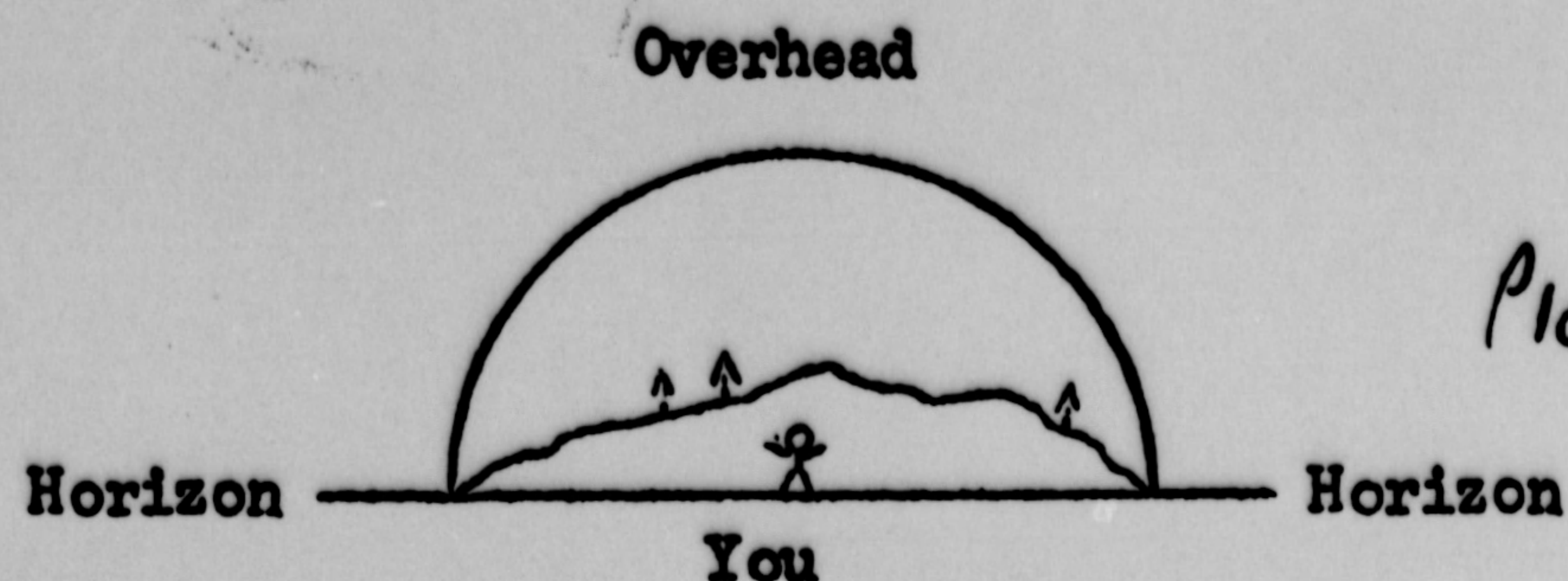
Overhead



You

(this can be estimated from the negatives because the horizon is discernable in most of the exposures.)

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.

~~Research~~
Please see my
negatives

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.

Please see my
negatives

SECTION E

26. Was this the first time that you have seen an object like this?

(Circle One): Yes or 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? NO opinion.

28. Give the following information about yourself:

NAME [Redacted] [Redacted] [Redacted]
First Name Last Name Middle Name
 ADDRESS [Redacted] [Redacted] [Redacted] [Redacted]
Street City Zone State
 TELEPHONE NUMBER [Redacted]

What is your present job? Electronic Technician, U.S. Coast Guard

Age 39

Sex Male

29. Was anyone else with you at the time you ^{photographed} ~~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 → there must have been at least a dozen

29.2 Please list their names and addresses: other members of the

Crew, officers and enlisted men
alike, on deck at all times, some of them were taking a series of pictures
of the object.

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

I can't think of anything pertinent.
In my original letter accompanying the negatives
I gave the conditions under which they were made,
and with that information and the negatives I'm sure
you have on your staff some one who can
scrutinize them and come up with positive answers.

In paragraph 1.(g) of my letter of 7 July 1952 I estimated
the time as 1600 hours and in 1(h) the date was not stated
but the almanac for 1950 shows that it was 1645 hours
on 11 Sept 1950 (Bering Sea Time) or 0345 hours
12 Sept 1950 by GMT as used in the ALMANAC
If I can be of any further assistance, you have my address.

~~Very truly yours,~~

4 ONLY 4X5 PHOTOS
WITH NEGATIVES OF
ADAK, ALASKA SIGHTING
11 SEP 1950

UNCLASSIFIED