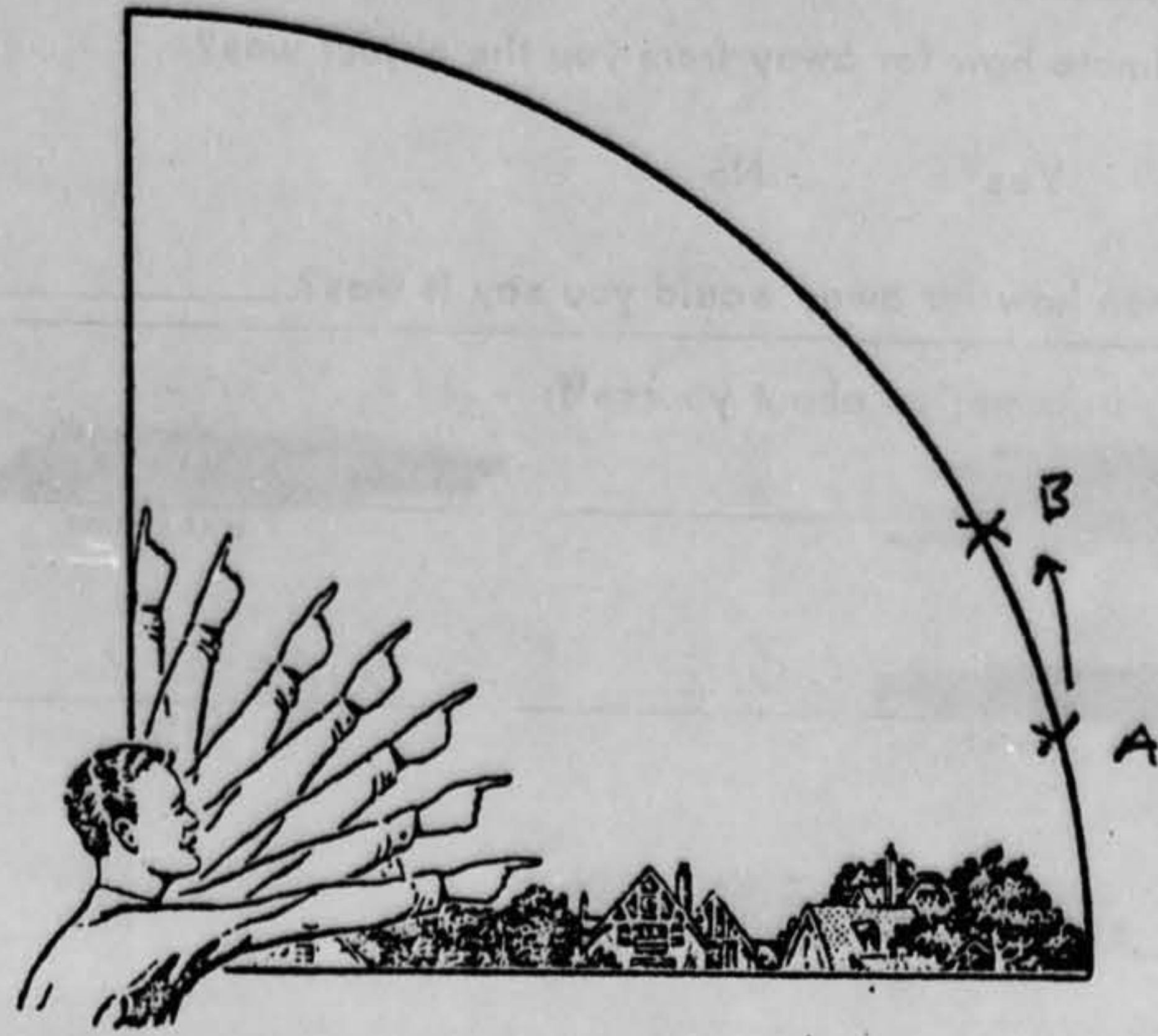


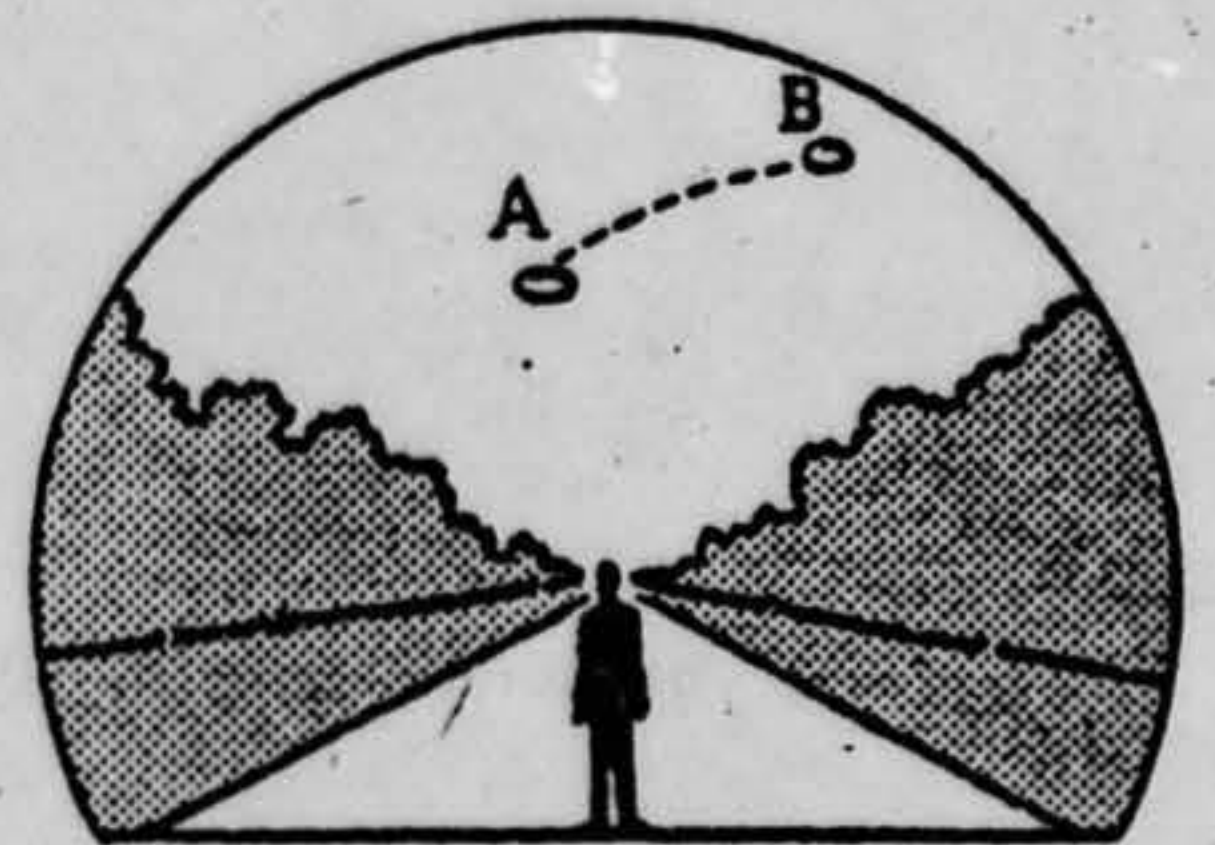
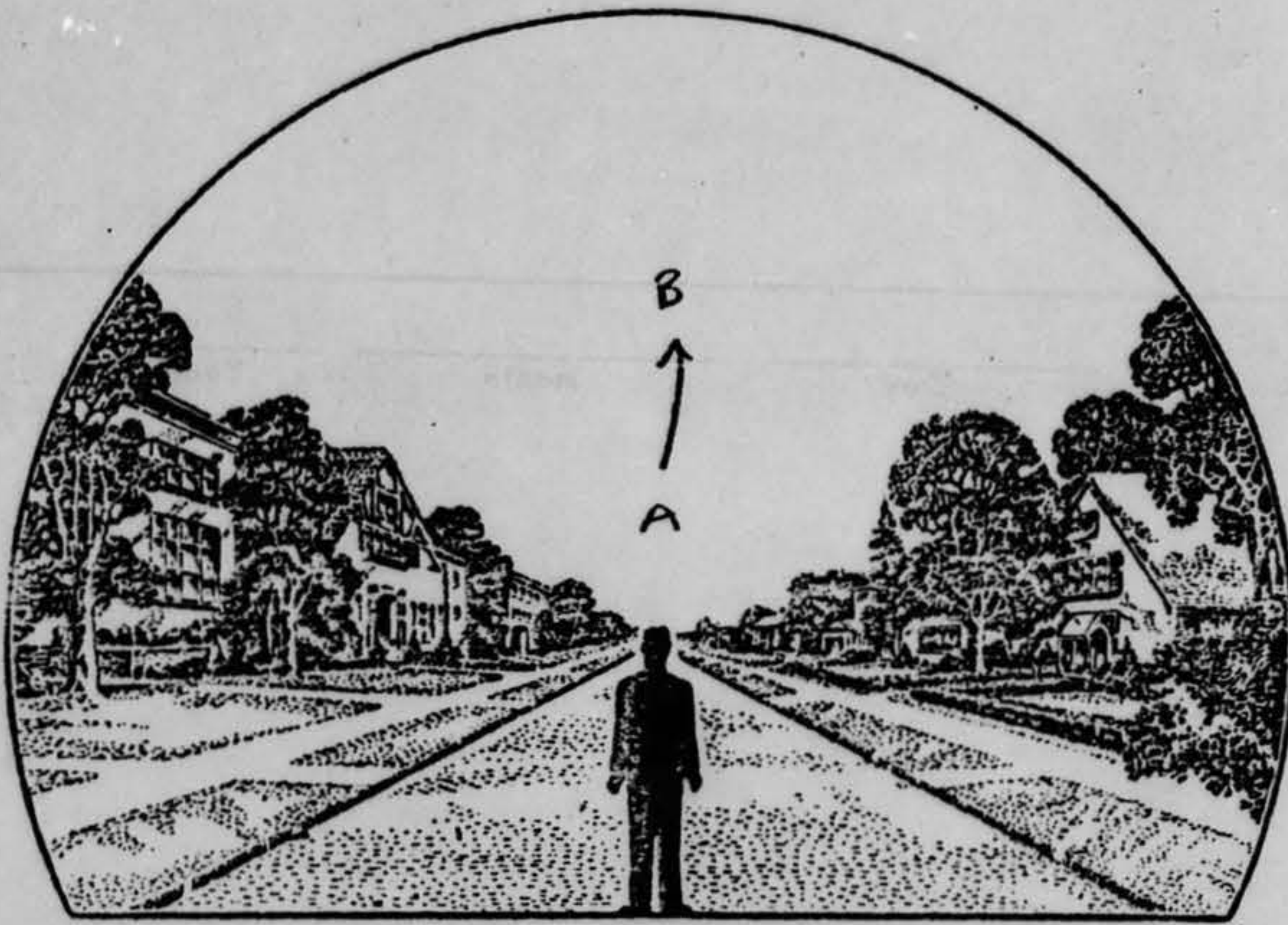
PROJECT 10073 RECORD CARD

1. DATE 1 Sep 61		2. LOCATION Sandusky, Ohio		12. CONCLUSIONS	
3. DATE-TIME GROUP Local <u>1920</u> GMT <u>020020Z</u>		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 Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical	
5. PHOTOS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		6. SOURCE Civilian		<input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
7. LENGTH OF OBSERVATION 2-5 min		8. NUMBER OF OBJECTS 1	9. COURSE WSW		
10. BRIEF SUMMARY OF SIGHTING Observation of ascending objt going WSW. Started to burn and burned fm 2-5 min. At twilight. Original objt appeared as light. About as bright as Venus, red and white, blinking, with trail or red orange smoke. See: Film 7-3745-457 (FILM IN PHYSICAL SPECIMEN FILE)			11. COMMENTS Film does not have enough detail to allow an analysis. There are many possible objts which could result in image shown, ie meteor. There is no evidence which would indicate that this objt was an interplanetary space vehicle or constituted in any way a threat to our national security.		

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.



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.



Commonwealth, Ind. 5-2-61

AERONAUTICAL SYSTEMS DIVISION
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

PHYSICS

LABORATORY

EVALUATION REPORT
Operation Midwing

REPORT NR: ASRCP 62-4

DATE: 7 February 1962

PROJECT NR: 6771

TYPE EVALUATION:

MANUFACTURER:

SPEC NR:

SUBMITTED BY: ASYIM
Capt. Gearhart

ITEM SERIAL NR:

I. PURPOSE

To determine the composition of the sample submitted for analysis and its origin if possible.

II. FACTUAL DATA

1. The sample submitted for analysis was assigned Materials Physics serial number 9237.
2. Microscopic examination showed the presence of finely divided metal-like particles.
3. Analysis of different portions of the sample by emission spectroscopic methods showed the presence of the following elements:
 - a. Principal aluminum
 - b. Minors magnesium, calcium, silicon
 - c. Traces manganese, lead, copper, and titanium
4. Analysis by X-ray methods showed the presence of $Al_2O_3 \cdot 3H_2O$. This material has a bayerite crystalline structure.
5. Analysis by mass spectrometric methods using a double focus Mattauch-Herzog mass spectrometer showed that the metal-like particles were high purity aluminum.
6. Analysis of different portions of the sample by infrared spectrophotometric methods showed that the organic material was composed of polyisobutyl methacrylate.

THIS REPORT IS NOT TO BE USED IN WHOLE OR IN PART FOR ADVERTISING OR SALES PROMOTION PURPOSES

ASD FORM 64
JUN 61

REPLACES WADD FORM 84 WHICH IS OBSOLETE

AF-WP-8-JUL 61 5M

FTD-E May Forward

LABORATORY

SECTION

EVALUATION REPORT

Operation No. 100

Date: 1 February 1955

Item No. 100

Specimen No. 100

Lot No. 100

REMARKS

In accordance with the instructions of the contract, the following tests were performed on the specimen:

TESTS

The specimen was subjected to the following tests:

1. Visual inspection of the specimen.

2. Analysis of the specimen by means of a scanning electron microscope.

ARTIFACT # 341-15-479

Located in ARTIFACT ROOM

7. Analysis of different portions of the sample by chemical methods did not show the presence of nitrates or perchlorates in the sample.
3. Chemical analysis of two samples, a mineral-like material and an organic material found in the vicinity showed them to be:
 - a. Slag. This material is commonly found around iron foundries.
 - b. Polyethylene.

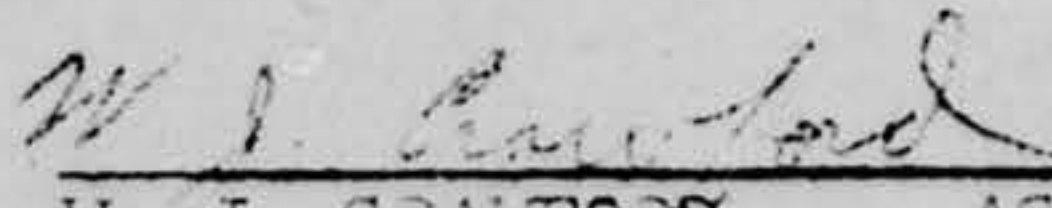
III. CONCLUSIONS

1. The sample is non-homogeneous.
2. Chemical analysis of the sample submitted showed it to be man made because
 - a. Finely divided, high purity aluminum does not occur in nature.
 - b. Polyisobutyl methacrylate is a commercially available chemical compound.
3. The sample is not a sour batch of resin based paint because paint manufacturers
 - a. Add components to restore the desired formulation of a particular resin paint, or
 - b. Sell the one batch of paint at cost as a "closing out of stock" sale.
4. The $\text{Al}_2\text{O}_3 \cdot 3\text{H}_2\text{O}$, bayerite structure, formed in place. Bayerite does not occur in nature but results from the reaction of water with finely divided aluminum of high purity at low temperature, about 40°C . ("Aluminum Properties," ALCOA Research Lab. 1960 AD No. 250599.)
5. Analysis of different organic portions showed the presence of polyisobutyl methacrylate throughout.
6. The possible origin cannot be determined from these chemical data.

IV. RECOMMENDATIONS

None, data merely submitted.

PREPARED BY:


W. J. CRAWFORD . ASRCPA

PUBLICATION REVIEW

This report has been reviewed and approved.

Solomon J. Brokeshoulder
S. F. BROKESHOULDER, Capt, USAF
Asst Chief, Analytical Branch
Physics Laboratory
Dir of Materials & Processes

DISTRIBUTION:

ASYIM (Capt. Gearhart)
ASYRC (Mr. Sagan)
FTD-E (Maj. Friend)
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ASRCPA (5 cys)
ASRCE Library

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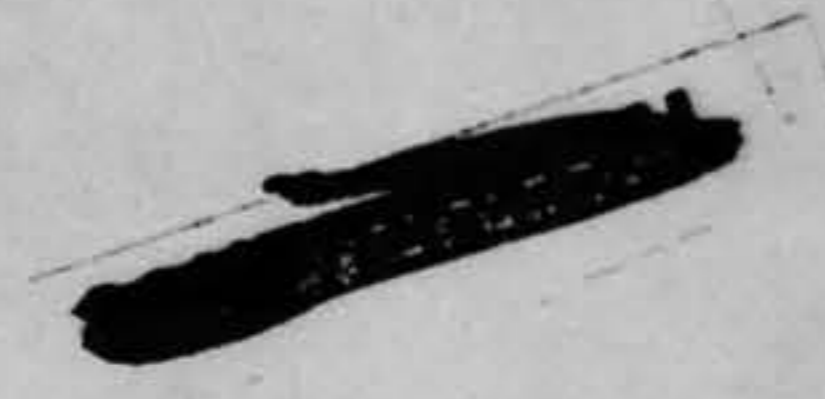
C

Connorsville Ind

Seq '61

K 243-6012-1

CLASSIFICATION CANCELLED
 (OR CHANGED TO) **UNCLASSIFIED**
 BY AUTHORITY OF *George H. Mabe*
 BY *George H. Mabe* (DATE) *0*
 INITIAL GRADE OF (ORIGINAL MARKING CHANGE)

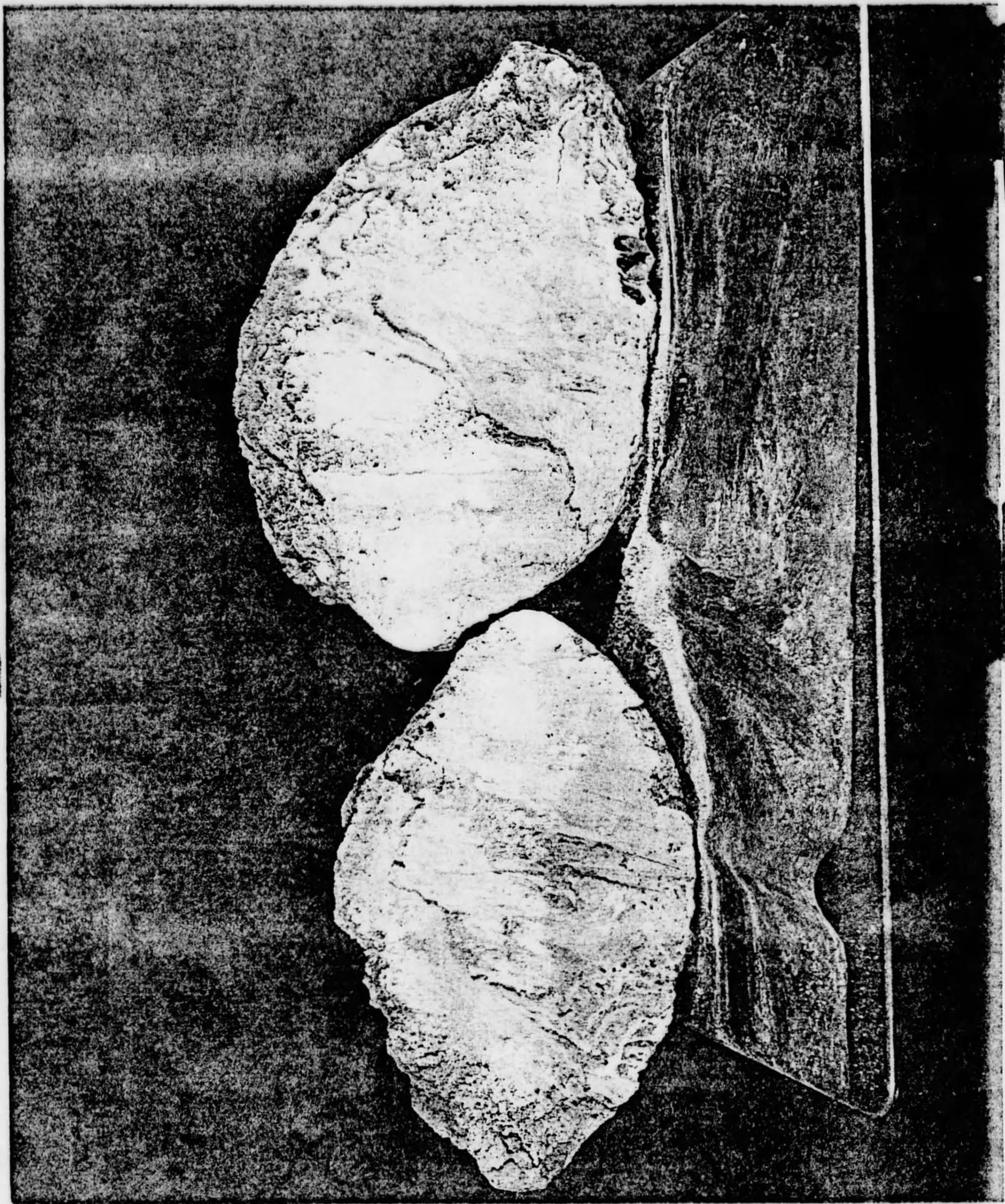


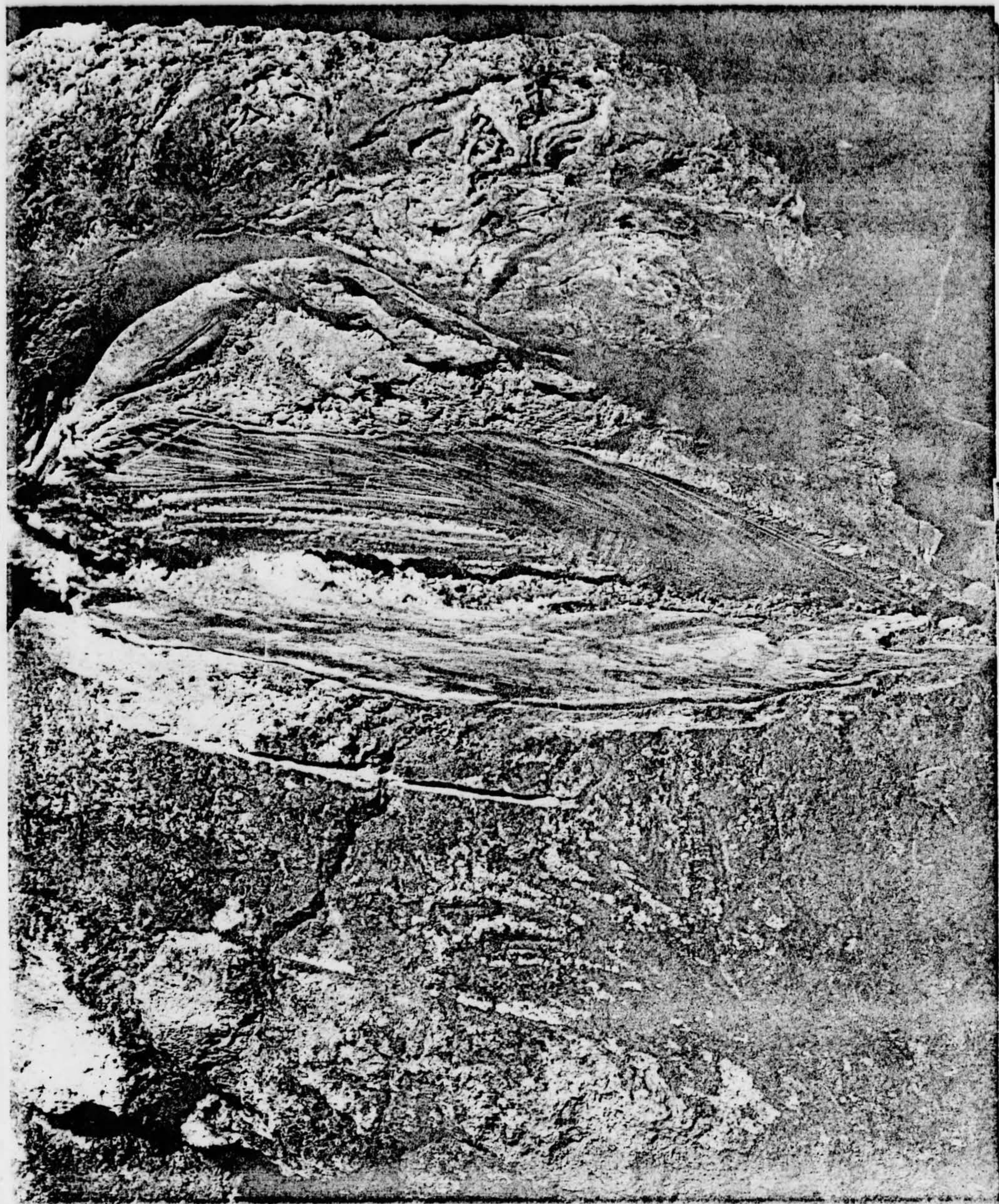
PROJECT IDENTIFICATION CARD

1. DATE	2. LOCATION	3. PROJECT TITLE
4. TYPE OF OBSERVATION	5. NUMBER OF SUBJECTS	6. NUMBER OF OBSERVATIONS
7. HOST	8. COMMENTS	9. COMMENTS

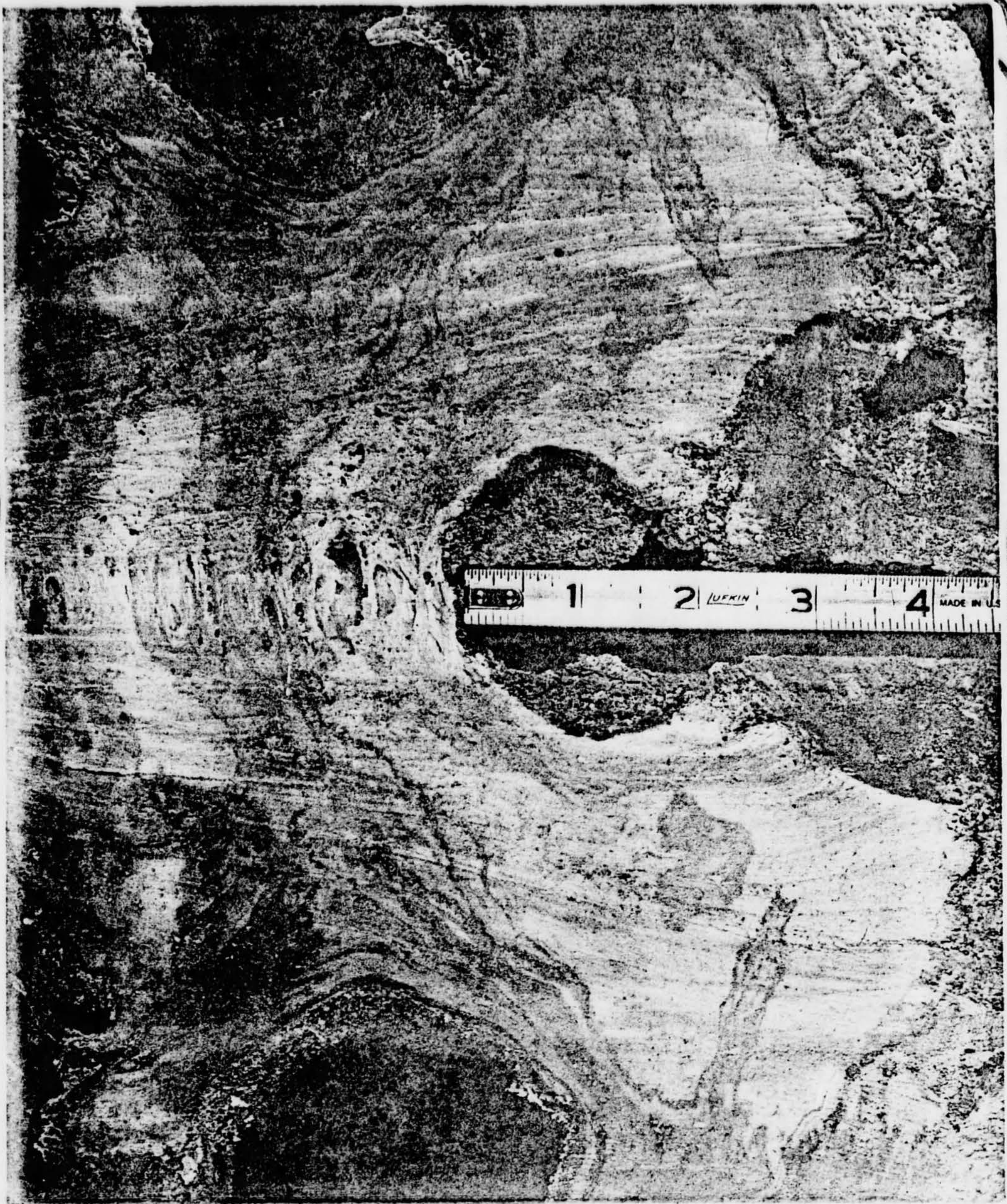
FILM
 Sept. 1, 1961
 SANDUSKY, Ohio
 Observer: ~~XXXXXXXXXX~~
 FILE # 1003591
 IN CUSTODY OF AUDIO-VISUAL DIVISION

1975













CONNORSVILLE, INDIANA

Exp 61

Case includes seven (7)

8' x 10" photos and

one (1) physical specimen (see
separate folder)

~~XXXXXXXXXX~~

Lane
Webster, N. Y.

home telephone ~~XXXXXXXXXX~~

engineer at Stromberg-Carlson, Rochester, N.Y.
telephone ~~XXXXXXXXXX~~

sighted object on Ohio Turnpike
near Sandusky.

Right after sunset - about 7:20 EST
object going W to SW, upward
elevation. Started descent in SW
and started to burn. Burned
from 2-5 minutes.

Mr. ~~XXXXXXXXXX~~ stopped and took
some 35 mm color slides.

Call from: Capt R. B. Orr
Special Assistant for Ballistic
missiles

Rochester APB, N. Y.

telephone ~~XXXXXXXXXX~~

Ext. ~~XXXX~~

SANDUSKY, OHIO

1 Sep 61

Case includes 35 mm film

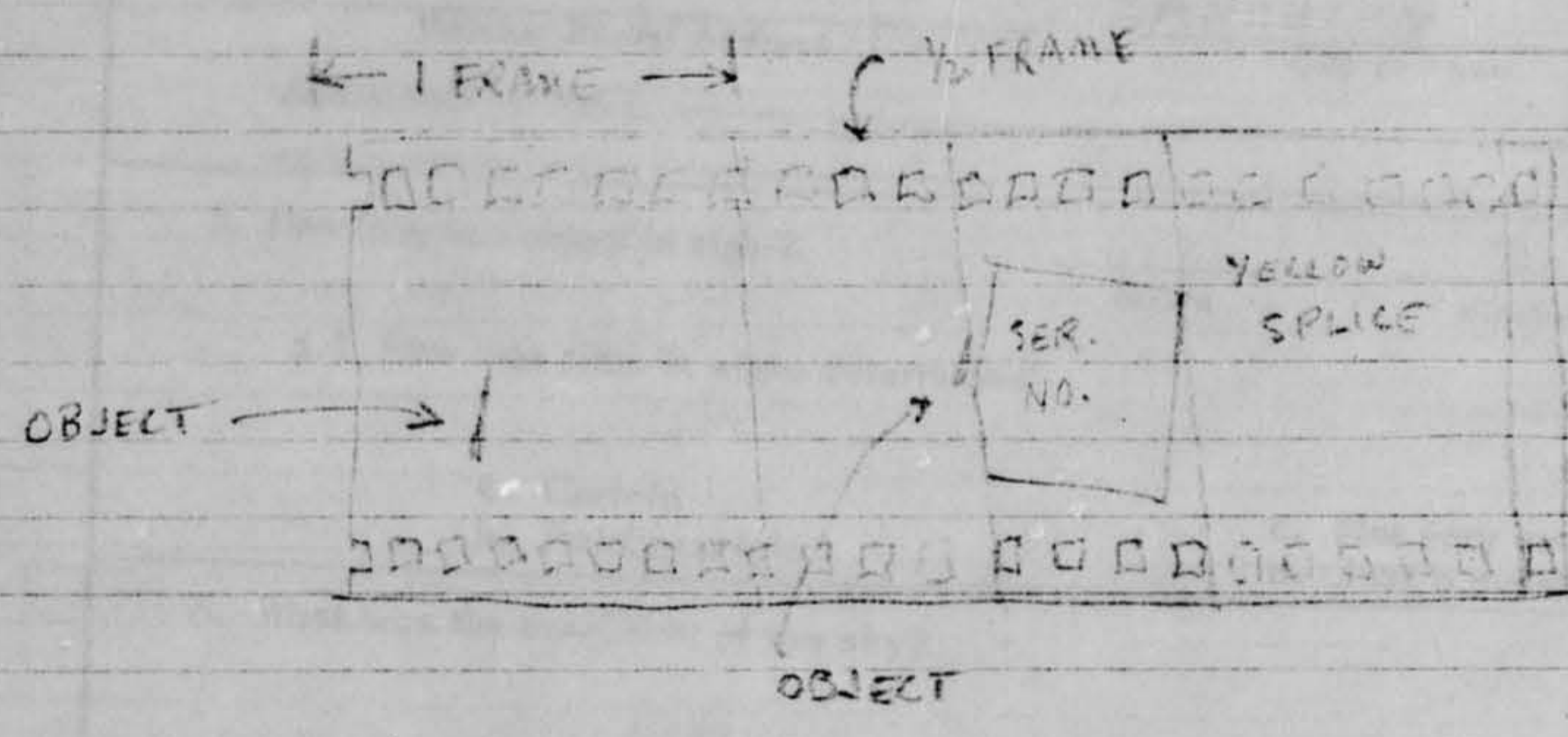
[Redacted]
Webster, N.Y.

September 20, 1961

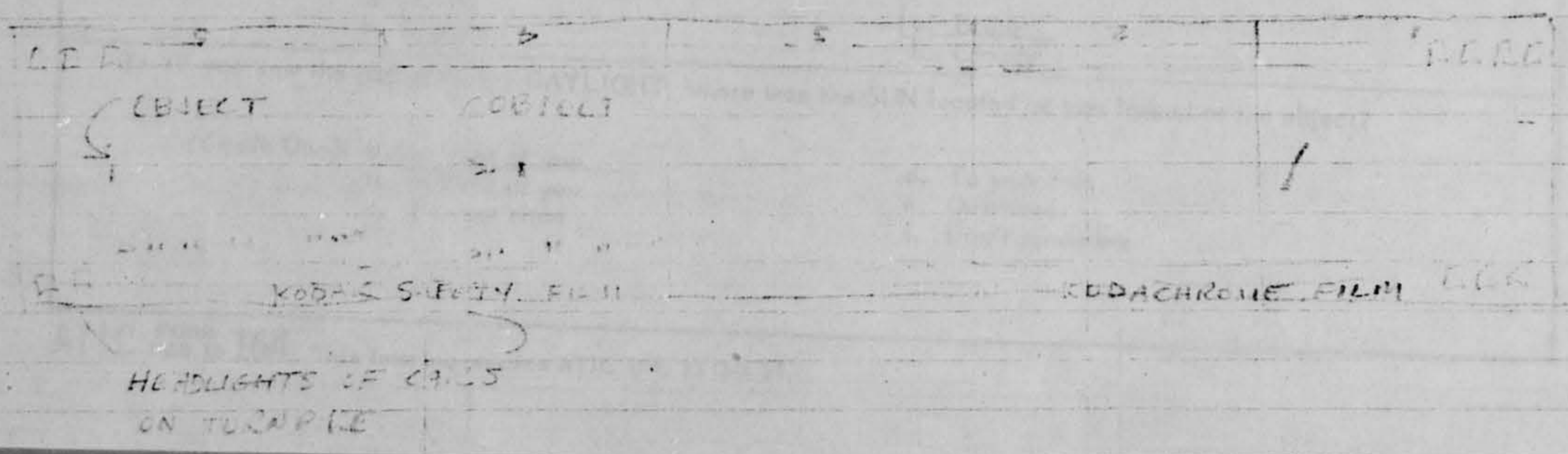
Foreign Technology Division
Wright-Patterson AFB, Ohio
Attn: TDE Major Friend

Dear Sir:

Enclosed is the 35 mm film showing the object sighted on September 1, 1961 near Sandusky, Ohio. The exposures are poor so I will try to locate the object in the different frames by the sketches below.



RETURN TO:	K 243.6012-1 1-15 Sep 1961
Director Aerospace Studies Inst ATTN: Archives Branch Maxwell AFB, Alabama	

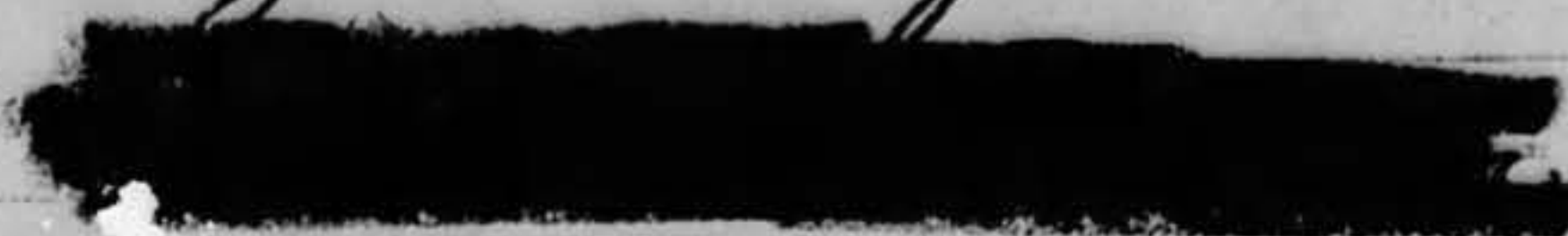


I was using an Argus C.3 camera.

The only lens and shutter setting I remember is for frame #5 which was $f/3.5$ at $1/10$ sec.

If I can furnish any other information I will be happy to do so.

Very sincerely,



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?

AS BRIGHT AS VENUS —

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. Flash or flicker? | <u>Yes</u> | No | Don't Know |
| h. Disappear and reappear? | <u>Yes</u> | 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

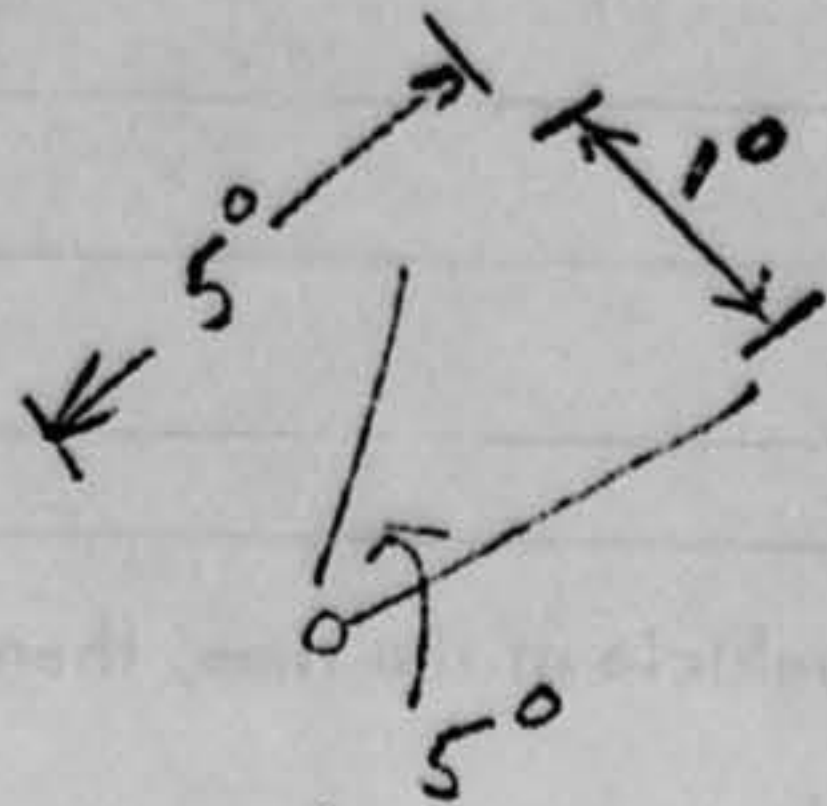
15. Did you observe the object through any of the following?

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

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

- a. Sound NO -
- b. Color BLINKING LIGHT - (RED-WHITE) TRAIL - RED-ORANGE

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.



18. The edges of the ^{LIGHT} 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? _____
 Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.