PROJECT 10073 RECORD CARD

1. DATE September 1962	2. LOCATION Snohomish, Washington	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical xx Other Rock & clay ☐ Insufficient Data for Evaluation ☐ Unknown
3. DATE-TIME GROUP Local _____ GMT - - -	4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	
5. PHOTOS ☒ Yes Physical ☐ No Specimen	6. SOURCE Civilian	
7. LENGTH OF OBSERVATION - - -	8. NUMBER OF OBJECTS one	9. COURSE found on ground

10. BRIEF SUMMARY OF SIGHTING
Obj light grey in color & light weight. Forwarded in connection with decay of sputnik IV.

See: Specimen T-3745-1440

(OBJECT IS PHYSICAL SPECIMEN ITEM)

11. COMMENTS
Analysis by ASD shows that obj not fm outer space. Created by fusion caused by contact with high tension wire which broke and fell to ground.

ATIC FORM 329 (REV 26 SEP 52)

OFFICIAL FILE COPY

TD-E/Col Wynn

Report of Analysis

1 October 1962

AFSC(SCFA Capt Bracke)
Andrews AFB
Wash 25 DC

1. Attached is a copy of the ASD report of analysis of the object recovered near Snohomish, Washington. This object was forwarded to FTD from Paine Field, Washington because it was suspected to be a part of Sputnik IV which reentered the earth's atmosphere on 5 September 1962.

2. The ASD report concludes that this object could not be part of a space vehicle and FTD concurs with this conclusion.

FOR THE COMMANDER

Robert H. Friend HQ 1 Oct 1962

EDWARD H. WYNN
Colonel, USAF
Deputy for Science
and Components

1 Atch
ASD Evaluation Report,
dtd 25 September 1962

OFFICIAL FILE COPY

AERONAUTICAL SYSTEMS DIVISION

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

PHYSICS LABORATORY

EVALUATION REPORT

Operation Midwing

REPORT NR: 62-19 DATE: 25 September 1962

PROJECT NR: 6771 TYPE EVALUATION:

MANUFACTURER: SPEC NR:

SUBMITTED BY: FTD ITEM SERIAL NR:
Lt. Col. R. J. Friend

I. PURPOSE

To identify the sample and its origin.

II. FACTUAL DATA

1. The sample was assigned Physics Laboratory serial number 10028.

2. The sample was photographed to show its dimensions.

3. The sample was examined

a. For radioactivity using a scintillation counter. No radioactivity other than normal background was detected.

b. By emission spectrochemical methods. The composition of the three different phases were identical. Emission spectrochemical analysis provided these data: Estimated concentrations in weight percent.

(1)	Silicon	20%	(7)	Calcium	1%
(2)	Aluminum	10%	(8)	Potassium	0.1%
(3)	Sodium	4%	(9)	Manganese	0.1%
(4)	Iron	3%	(10)	Nickel	0.05%
(5)	Magnesium	2%	(11)	Chromium	0.01%
(6)	Titanium	1%			

c. X-Ray Spectrochemical Methods.

X-ray diffraction patterns were identical for samples taken from the core and from the outside layer. The major constituent in both cases was crystalline SiO_2.

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

d. Infrared Spectrophotometric Methods.

The infrared spectrogram did not show the presence of any organic material. It did confirm the presence of crystalline SiO_2.

e. Chemical Methods.

1. A chemical test for carbonates was negative.

2. A sample was heated slowly to 1100°C with no apparent change in weight or dimensions. There was some change in color: that is from white to brownish purple.

III. CONCLUSIONS

1. The chemical composition of the sample is that of a bentonite clay. The magnesium has been replaced to some extent by sodium, potassium, and calcium ions.

2. The object could be formed by a sudden application of heat as a lightning bolt or an air arc formed by a broken power line. The molten material could have flowed into water, been exposed to rain, or in water soaked soil. The sudden cooling would cause the outside layers to fracture but adhere to the core. The condition and coloration of the outer layer are expected when a bentonite clay is melted and cooled rapidly. The object was formed in a stream bed or in sand and gravel from a stream bed because stream worn pebbles are embedded in the outer layer.

3. The composition and nature of the object shows beyond doubt that it could not be part of a space vehicle or be from outer space.

PREPARED BY:

Solomon F. Brokeshoulder

S. F. BROKESHOULDER, Maj, USAF

PUBLICATION REVIEW

This report has been reviewed and approved.

Freeman F. Bentley

FREEMAN F. BENTLEY
Chief, Analytical Branch
Physics Laboratory
Dir of Materials & Processes

DISTRIBUTION:
FTD (Lt. Col. R. J. Friend)
ASRCP
ASRCPA (5 cys)
ASRCE Library

NOTICES

When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

- - - - - - - - - - - - -

Copies of ASD Technical Documentary Reports and Materials Central Evaluation Reports should not be returned to the Aeronautical Systems Division unless return is required by security considerations, contractual obligations or notice on a specific document.

SUBORDER (See ASDR 83-1)

1. TO (Supporting Element) ASRCPA	2. DATE 10 Sep 62	3. FOR SERVICE IN SUPPORT OF:	4. FILE OR LEDGER NO.
5. DATE COMPLETION REQ 17 Sep 62	6. PRIORITY	SYSTEM NO.	INITIATING ELEMENT
7. SECURITY CLASSIFICATION OF WORK REQUESTED	8. PRECEDENCE RATING	PROJECT NO. 6771 (116)	SUPPORTING ELEMENT 10,028
		TASK NO.	
9. A/C TYPE, MODEL AND SERIAL NO.		PROGRAM STRUCTURE	OTHER
		TITLE Operation Midwing	

10. DESCRIPTION OF WORK

Request that the sample submitted be chemically analyzed and identified, if possible, according to its composition and possible source.

CONTINUED ON REVERSE SIDE ☐

FOR USE OF RESPONSIBLE ELEMENT

11. INITIATED BY ORGN SYMBOL EXT	12. APPROVED BY ORGN SYMBOL EXT	13. CHIEF (Responsible Element) Robert J. Friedl SMSgt USAF

FOR USE OF SUPPORTING ELEMENT

14. ESTIMATED COMPLETION DATE MAN-HOURS	15. PROJECT ENGINEER OR PLANNER S. F. Brekeshoudes ORGN SYMBOL EXT	16. CHIEF (Supporting Element) Solomon F. Brekeshoudes Major, USAF

CLOSING ACTION

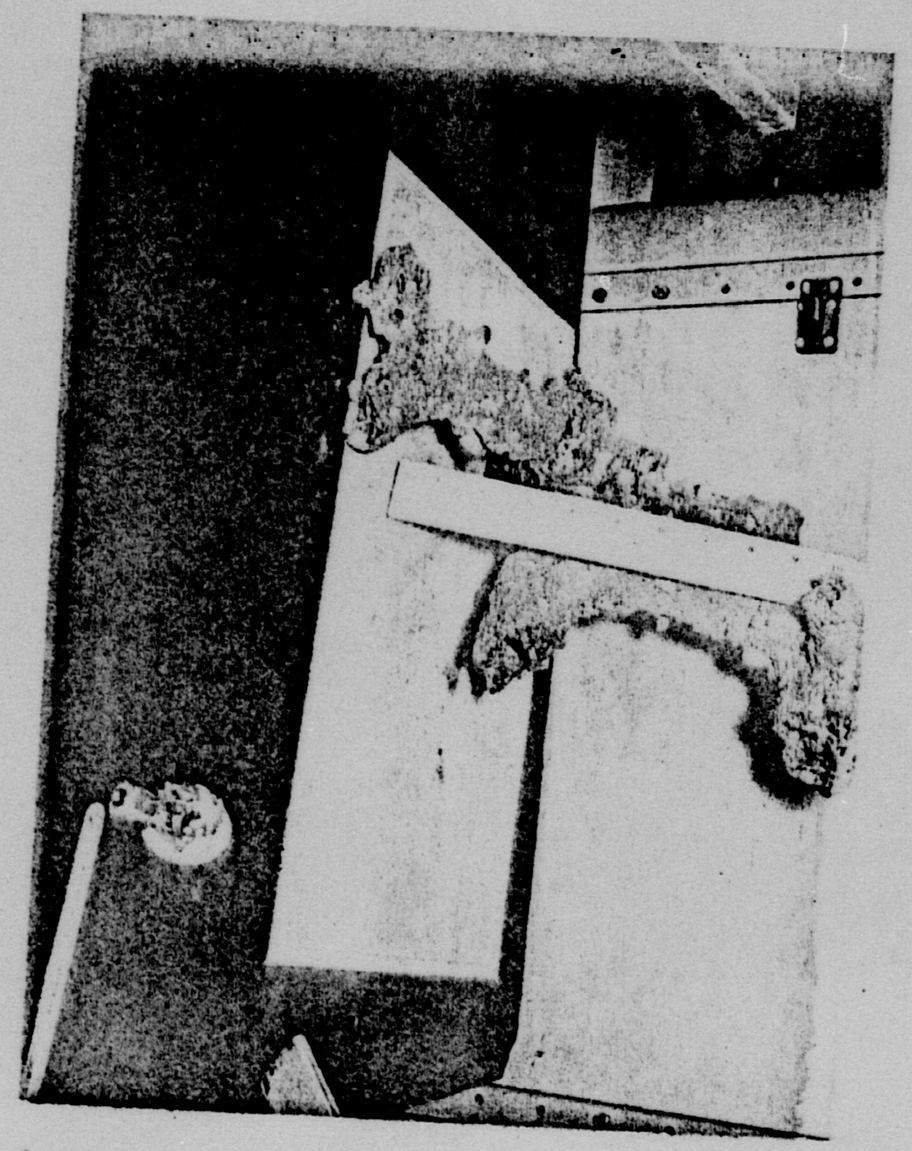
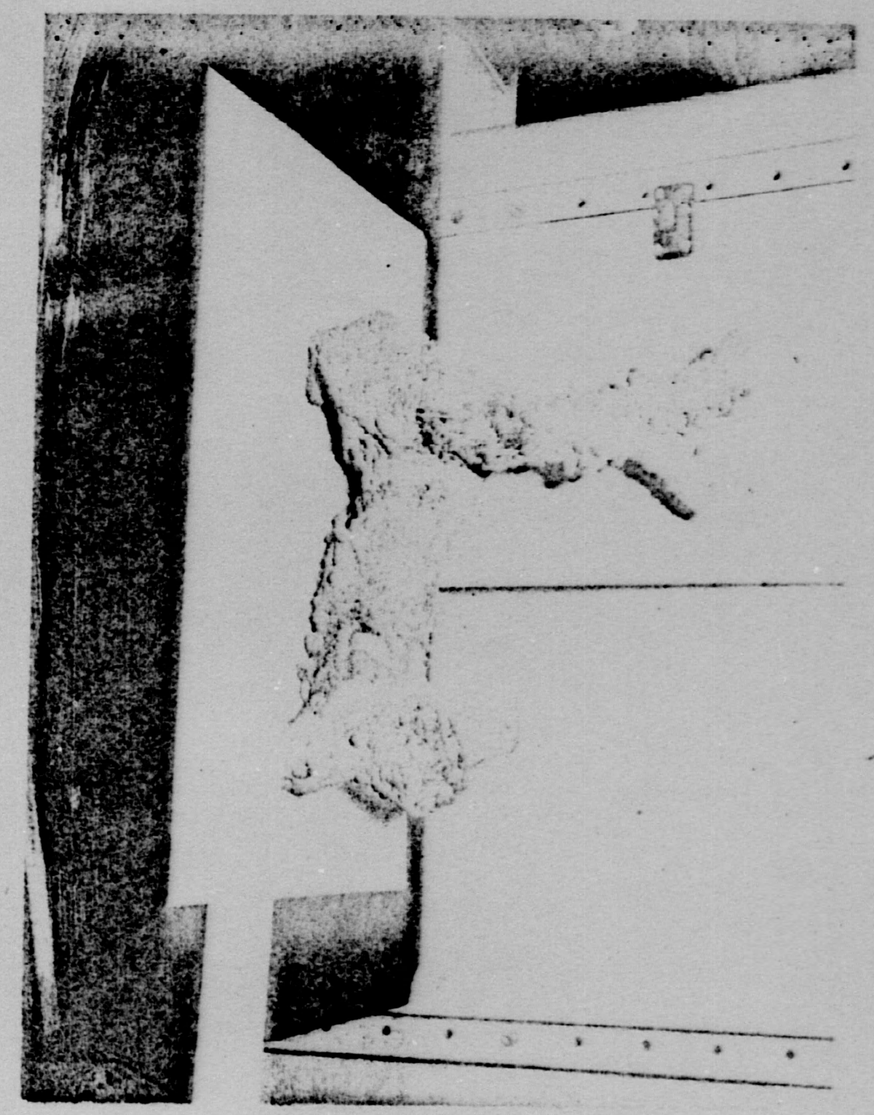
17. REASON: ☒ COMPLETED ☐ CANCELLED	20. CHIEF (Supporting Element) G. F. Worley ASRCPA 20236	21. CHIEF (Responsible Element)
18. DATE COMPL 7 Dec 62 / 19. M/HRS EXP 12		

ASD FORM DEC 61 49 PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

AF-WP-8-JAN 62 50 M

2 SNAPSHOT

SIZE PHOTOGRAPHS
OF UFO FOUND
AT SNOHOMISH,
~~WISCONSIN~~
WASH.

ARTIFACT # 341-17-481

LOCATED IN ARTIFACT ROOM