

PROJECT 10073 RECORD CARD

1. DATE September 1962	2. LOCATION Snohomish, Washington		12. CONCLUSIONS <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 <input checked="" type="checkbox"/> Other <u>Rock & clay</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local _____ GMT - - -	4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar		
5. PHOTOS <input checked="" type="checkbox"/> Yes Physical <input type="checkbox"/> No Specimen	6. SOURCE Civilian		
7. LENGTH OF OBSERVATION - - -	8. NUMBER OF OBJECTS one	9. COURSE found on ground	<input checked="" type="checkbox"/> Other <u>Rock & clay</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
10. BRIEF SUMMARY OF SIGHTING Obj light grey in color & light weight. Forwarded in connection with decay of sputnik IV. <i>See: specimen 7-3745-440</i> <i>(OBJECT IS PHYSICAL SPECIMEN FILE)</i>		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.	

OFFICIAL FILE COPY

TD-3/Col Wynn
Report of Analysis

1 October 1962

AFSC(3CFA 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

Edward H. Wynn
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
Lt. Col. R. J. Friend

ITEM SERIAL NR:

I. PURPOSE

To identify the sample and its origin.

II. FACTUAL DATA

1. The sample was assigned Physics Laboratory serial number 10023.
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 .

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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

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

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	12. APPROVED BY	13. CHIEF (Responsible Element)
ORGN SYMBOL EXT	ORGN SYMBOL EXT	<i>Robert J. Fucini HCP</i> <i>1771</i>

FOR USE OF SUPPORTING ELEMENT

14. ESTIMATED COMPLETION DATE	15. PROJECT ENGINEER OR PLANNER	16. CHIEF (Supporting Element)
MAN-HOURS	<i>S.F. Brucke, HCP</i> ORGN SYMBOL EXT	<i>Alexander J. Brucke, HCP</i> <i>Major, USAF</i>

CLOSING ACTION

17. REASON: <input checked="" type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED	20. CHIEF (Supporting Element)	21. CHIEF (Responsible Element)
18. DATE COMPL <i>9/26/62</i>	<i>J. J. Bentley</i> <i>ASRCPA 20236</i>	
19. M/HRS EXP <i>12</i>		

2 SNAPSHOT
SIZE PHOTOGRAPHS
OF UFO FOUND
AT SNOTHOMISH,
~~WISCONSIN~~
WASH.

ARTIFACT # 341-17-481

LOCATED IN ARTIFACT ROOM

