PROJECT 10073 RECORD CARD

1. DATE 29 Oct 1963	2. LOCATION Fairfield, Illinois	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other Rock ☐ 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 ☒ No Pysical Specimen	6. SOURCE Civilian	
7. LENGTH OF OBSERVATION ---	8. NUMBER OF OBJECTS One	9. COURSE Found on Ground

10. BRIEF SUMMARY OF SIGHTING

Object found and reported to be radio-active. Object analysis by AF indicated no radio-activity at time of acceptance by officials from Scott AFB. Flown to WPAFB for analysis.

11. COMMENTS

Object split and submitted to North-western University Geology Dept and ASD. Terrestial concretion common to Pennsylvanian Strata of Illinois

ATIC FORM 329 (REV 26 SEP 52)

NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS

DEPARTMENT OF GEOLOGY

PRELIMINARY REPORT ON DR. HYNEK'S OBJECT

The following remarks are based on conversations with members of the Geology Department. Greater detail would require removal of a portion of the object for microscopic study.

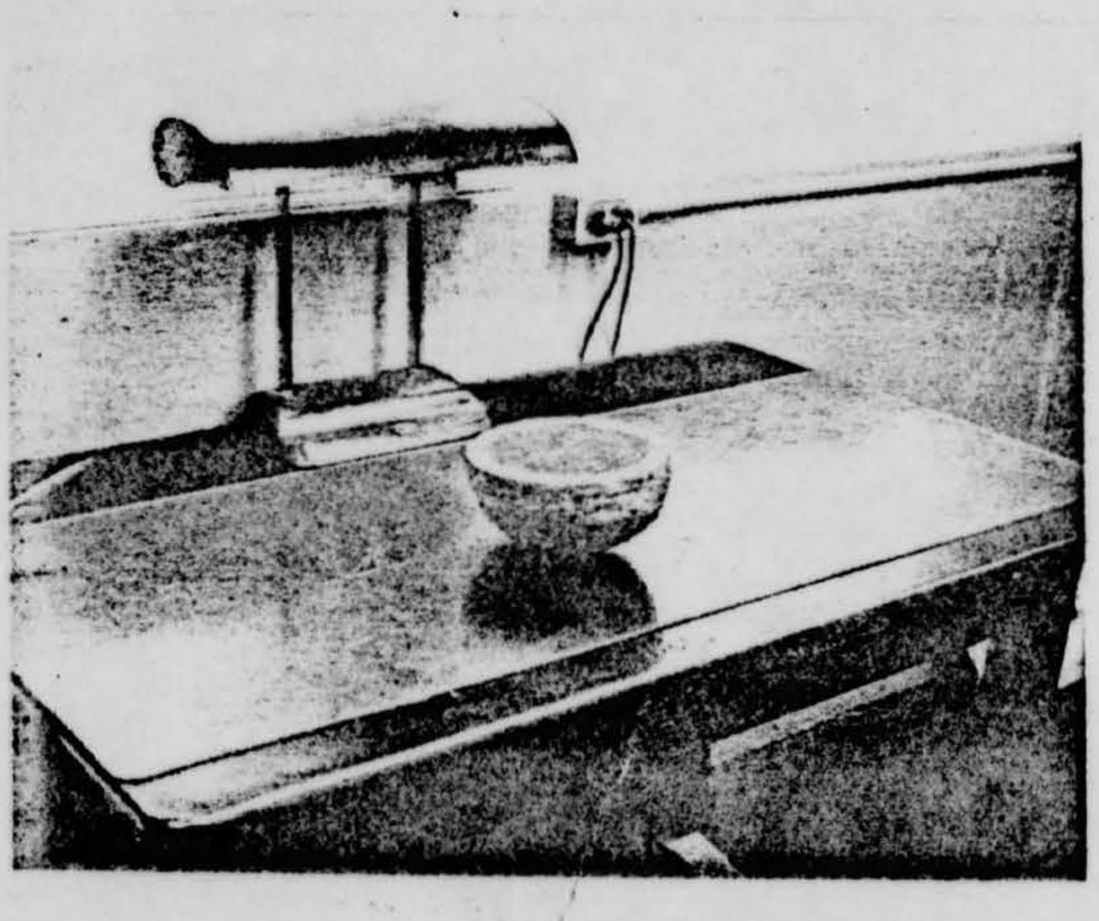
This is a clay-ironstone concretion, with an outer rim of marcasite (FeS_2) and an interior probably of argillaceous siderite ($FeCO_3$). This concretion probably split along the original bedding of the host rock. It is definitely a terrestrial object. Concretions of this sort are common in the Pennsylvanian strata of Illinois.

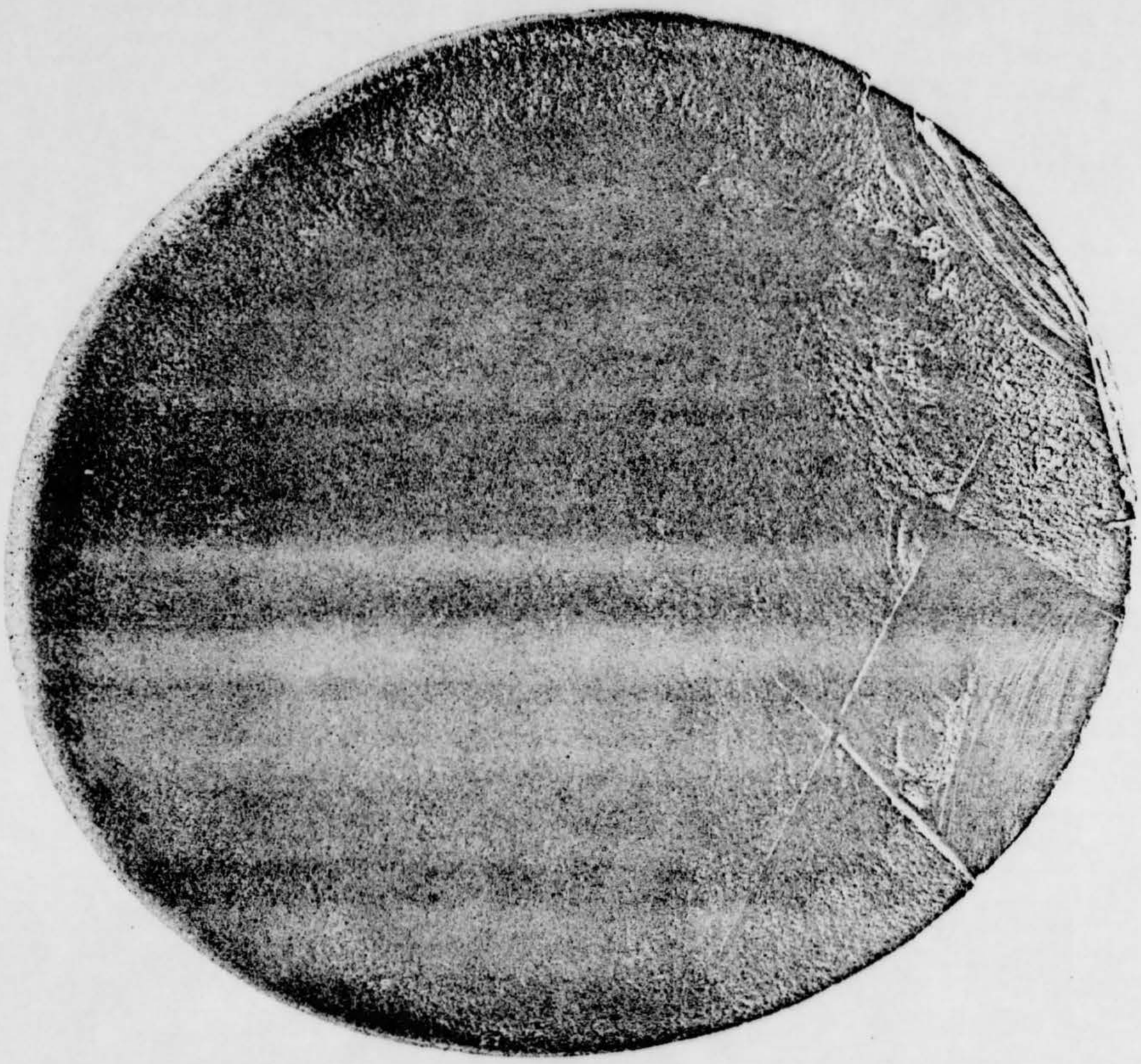
November 27, 1963

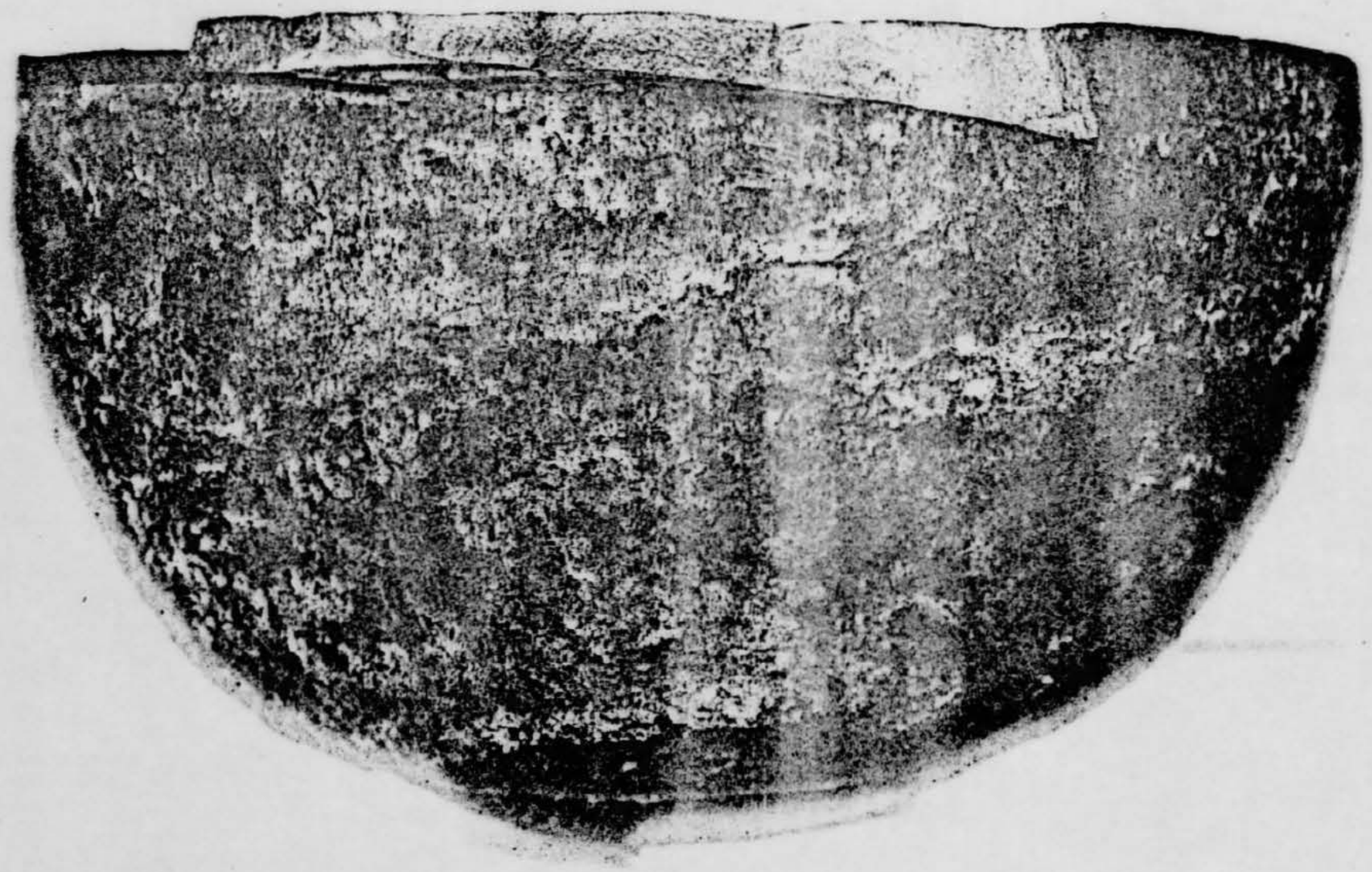
[redacted]logy

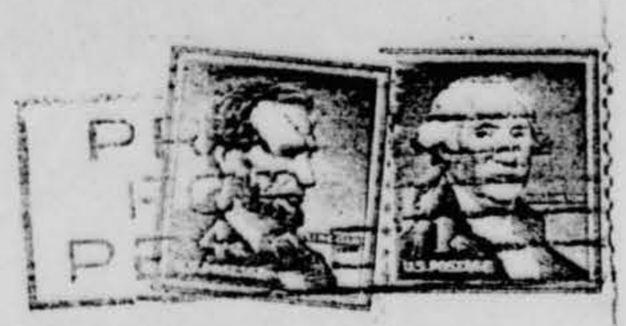
FAIRFIELD, IL 29 Oct 63

Case includes one (1) piece of rock
one 3" x 4" photo,
two (2) 8" x 10" photos, &
two (2) negatives









Wright Field TDÉ
Foreign Technical
Lt. Col. Friend.
Dayton Ohio.

October 29- 63.

AF 16-339-368

[redacted]
Lincoln Park, Michigan

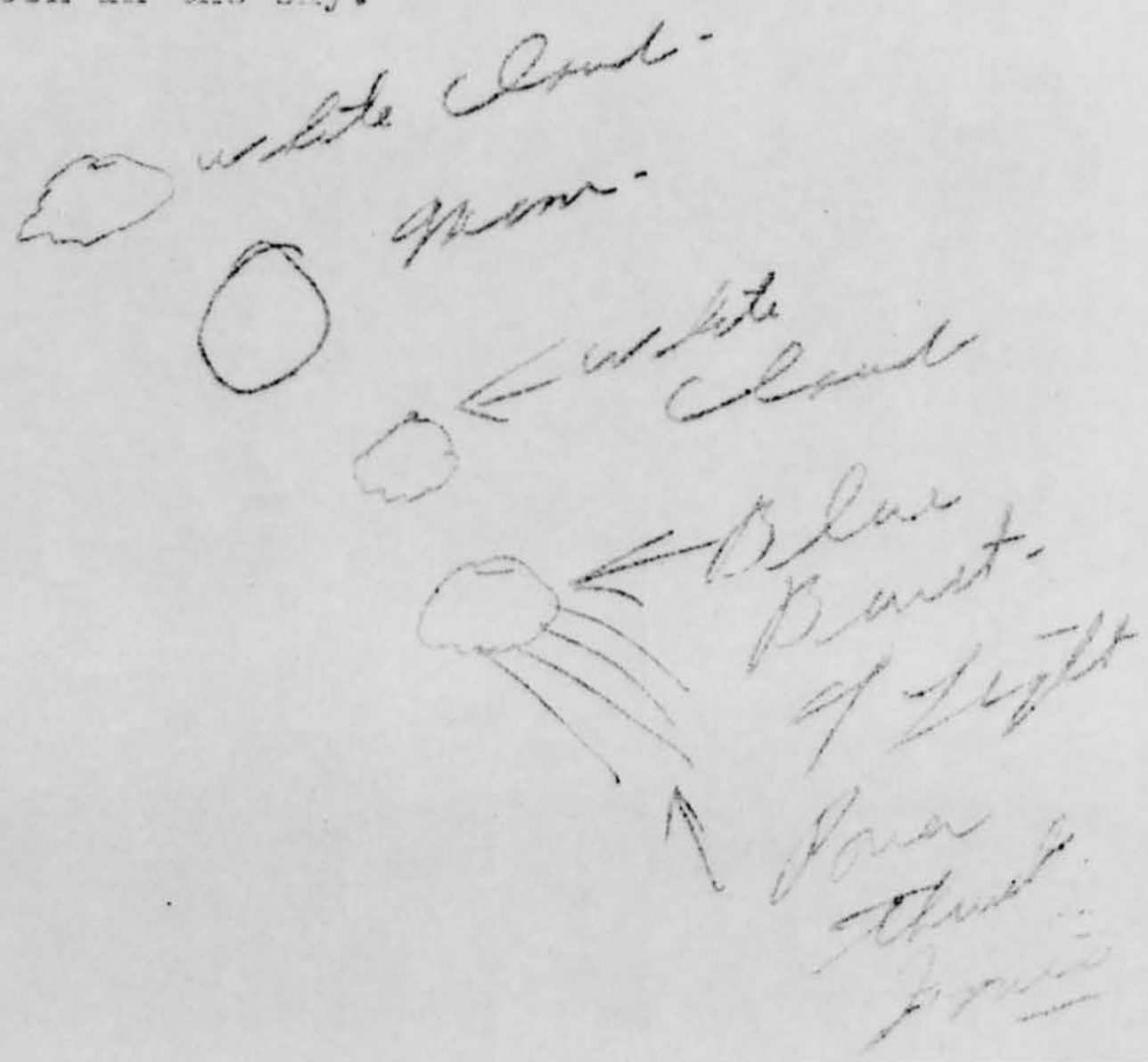
Dear Sirs.

u F O.

came in at 1.20 am -125 am while waiting for garage door to open 4 Nov 62 p.m.
i looked at moon, as i do driving home while out.
had car radio on Armstrong and quite buzzy. as i also noticed blue
flashes in sky over Grosse Isle way lower end of detroit river.
saw moon clear, but some clouds around.

also noticed two white clouds. one at 10 o clock other at 4

THEN I SAW A BURST OF BLUE WITH FLASHES OF BLUE LIGHT AT ABOUT
5 o clock WITH FLASHES TRAVELING DOWN IN A LINE THRU 11-5
I was looking out my right side drivers window.
This lasted less than one min.
It was size of moon in one big splash, but when the other strai ht
flashes they looked light tracer bullet then blue went up in sky.
Nothing then. just a noon in the sky.



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November 27, 1963

[redacted]
Professor of Geology

SUBORDER (Ref ASDR 80-4)

1. TO (Supporting Element)	2. DATE	3. FOR SERVICE IN SUPPORT OF:	4. FILE OR LEDGER NO.
FTD TDEW	31 October 1963	SYSTEM NO.	INITIATING ELEMENT
5. DATE COMPLETION REQ.	6. PRIORITY ROUTINE	PROJECT NO. 5-661-02	SUPPORTING ELEMENT 2-1807
7. SECURITY CLASSIFICATION OF WORK REQUESTED: UNCLASSIFIED	8. PRECEDENCE RATING	TASK NO.	
9. A/C TYPE, MODEL AND SERIAL NO.		PROGRAM STRUCTURE	OTHER
		TITLE	

10. DESCRIPTION OF WORK

1. ANALYSIS OF COMPOSITION. (ROCK) NO. 2

2. " " " (CRYSTALS) NO. 1

Return unused portion

CONTINUED ON REVERSE SIDE ☐

FOR USE OF RESPONSIBLE ELEMENT

11. INITIATED BY	12. APPROVED BY	13. CHIEF (Responsible Element)
SGT Moody.		
ORGN SYMBOL FTD EXT 69216	ORGN SYMBOL EXT	

FOR USE OF SUPPORTING ELEMENT

14. ESTIMATED COMPLETION	15. PROJECT ENGINEER OR PLANNER	16. CHIEF (Supporting Element)
DATE		
MAN-HOURS	ORGN SYMBOL EXT	

CLOSING ACTION

17. REASON: ☐ COMPLETED ☐ CANCELLED	20. CHIEF (Supporting Element) Arlen A Klemm Capt USAF	21. CHIEF (Responsible Element)
18. DATE COMPL 6 Dec 63	19. M/HRS EXP 6	

ASD FORM DEC 61 49

AF-WP-B-MAY

AERONAUTICAL SYSTEMS DIVISION

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

MATERIALS PHYSICS DIV
AF MATERIALS LABORATORY

EVALUATION REPORT
IDENTIFICATION OF ROCK OBJECT

REPORT NR: MAY 63-37

DATE: 5 December 1963

PROJECT NR: G-661-02

TYPE EVALUATION:

MANUFACTURER:

SPEC NR:

SUBMITTED BY: FTD
Sgt. Moody

ITEM SERIAL NR:

I. PURPOSE

To conduct spectographic and X-ray diffraction analyses to determine the chemical composition of: (1) Half of round object and, (2) A crystalline compound.

II. FACTUAL DATA

1. The crystalline compound and the round object were submitted for analysis and assigned Analytical Branch Nos. 3-1759 and 3-1807, respectively.

2. X-ray diffraction identified the crystalline compound as sodium chloride.

3. A sample was taken from the three different areas of the round object shown in the attached photograph, and examined by emission and X-ray spectroscopy. The results are as follows:

A. Emission Analysis:

(1)

	Estimated Percentage		
Element	Outside	Next Layer	Inside
Silicon	.3	.3	.6
Magnesium	.05	.05	1.0
Manganese	<.01	<.01	.6
Aluminum	.1	.07	.6
Iron	50	50	2.0
Nickel	.01	.01	<.01
Calcium	1.0	1.0	60

(2) All values are ± 30 per cent of reported value.

B. X-ray Diffraction Analysis:

X-ray diffraction patterns identified the two outside layers as Iron Pyrite and the inner layer as Calcium Carbonate mixed with about two per cent Iron.

III. CONCLUSION

None.

IV. RECOMMENDATIONS

None, data merely submitted.

PREPARED BY:

Doctor S. Morrisey

Doctor S. MORRISEY, Capt., USAF
MAA

PUBLICATION REVIEW

This report has been reviewed and is approved.

Freeman F. Bentley

FREEMAN F. BENTLEY
Chief, Analytical Branch
Materials Physics Division
AF Materials Laboratory

DISTRIBUTION:
FTD (Sgt. Moody)
MAY
MAA (5 cys)
MAAM (Library)

460 - 15 min

[redacted]

extension

0863
Fairfield, Ohio

Willsie - QS-12
Plans + Programs Officer

27 Oct 63 - received

30 Oct 63 →

[redacted]

1705th AB W (WGOP)
Scott AFB, Illinois

On 29 Oct 63 he received word on work at Fairfield, Illinois. On 30 Oct 63 he received the objection + flew it into W-P afb, Ohio.

TDEW

5 Nov 63

[redacted]
Fairfield, Illinois

Dear [redacted],

[redacted], of the 1405th Air Base Wing, Scott Air Force Base, has turned over to my office an object which was found by you at Ridgeway Bottoms. I wish to take this opportunity, on behalf of the Air Force, to thank you for your coorperation.

The object was turned over to us in two pieces. I have taken the liberty of sending one piece to the Geology Department of Northwestern University and the other piece was forwarded to our materials laboratory here at Wright-Field.

A Visual Analysis of the object was made and it appears that your object has experienced no space residency. Although this object appears to have no scientific value to the Air Force, I have asked for a Spectrochemical Analysis in order to determine its materials composition and possibly in this way we may be able to determine its historical background.

Perhaps your science class might be interested in our findings; therefore, I will send you the results of our findings as soon as it becomes available. At the conclusion of the tests, I will also return your object.

Sincerely,

HECTOR QUINTANILLA, Jr
Captain, USAF
Chief, Aerial Phenomena
Branch

cc: [redacted]
Scott AFB, Illinois

TDEW/TSgt Moody/69216

Item for Shipping

3 DEC 1969

TDMU/Mr Harold Shaw

1. Request you ship the attached rock to [redacted] of [redacted], Fairfield, Illinois.

2. This rock was turned over to representatives of the Air Force at Scott AFB, Illinois, and flown to Wright-Patterson AFB for analysis, with the understanding that remanents, if any, be returned as soon as the analysis was completed.

3. This item is to be shipped by whatever means you deem necessary. However, the object should be packed in a wooden crate or box, packed so as not to incur further damage.

4. The cost of shipping may be funded by Project 6661-01.

ERIC T de JONCKHEERE
Colonel, USAF
Deputy for Technology
and Subsystems

1 Atch
Rock

AFDEV

17 DEC 195

[redacted]
Fairfield, Illinois
[redacted]

The analysis performed by the materials laboratory at Wright-Patterson has now been completed and the object was determined to be concretion (rock). Our analysis is attached for your information. Also attached is the preliminary report of the analysis performed by the Geology Department of Northwestern University and two photos taken during our analysis.

Sincerely,

HECTOR QUINTANILLA, Jr
Captain, USAF
Chief, Aerial Phenomena
Branch

3 Attachments
1. W-P AFB Analysis
2. Preliminary Report by Northwestern
3. Two photos of rock

cc: [redacted]
[redacted]OP)
[redacted]llinois