1. DATE - TIME GROUP 12 OCT 64 ~~September 1964~~	**2. LOCATION** Europe
3. SOURCE Civilian	**10. CONCLUSION** Materilas lab analysis indicates object is primarily quartz, and was not a meteorite.
4. NUMBER OF OBJECTS One	
5. LENGTH OF OBSERVATION N/A	**11. BRIEF SUMMARY AND ANALYSIS** Piece of materila assumed to be meteorite forwarded for analysis. Object acquired on 3 September 1964 ANALYSIS 12 OCT 64
6. TYPE OF OBSERVATION	
7. COURSE N/A	
8. PHOTOS ☐ Yes Physical ☒ No Specimen	See specimen 7-3745-451 (PORTION IN PHYSICAL SPECIMEN FILE)
9. PHYSICAL EVIDENCE ☒ Yes ☐ No	

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

AERONAUTICAL SYSTEMS DIVISION
AIR FORCE MATERIALS LABORATORY, RESEARCH & TECHNOLOGY DIVISION
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

MATERIALS PHYSICS DIV
AF MATERIALS
LABORATORY

EVALUATION REPORT

Analysis of Suspected Meteorite

REPORT NR: MAY 64-24

DATE: 12 October 1964

PROJECT NR: 68002

TYPE EVALUATION:

MANUFACTURER:

SPEC NR:

SUBMITTED BY: FTD
Sgt. Moody

ITEM SERIAL NR:

I. PURPOSE:

Analysis of suspected meteorite for identification.

II. FACTUAL DATA:

1. The sample was submitted for analysis and assigned Analytical Branch No. 4-1591.

2. The sample was chipped and pieces sent to X-ray diffraction for scattering pattern, infrared for spectrum between 2.5μ - 40μ, and spectrographic analysis for an emission spectrum.

a. X-ray diffraction gave no pattern.

b. Infrared spectrum showed no organic material present, but a spectrum similar to an inorganic silicate.

c. Spectrographic analysis gave the following results:

Element	Estimated %
Si	40
Mg	2
Mn	1
Al	15
Fe	6
Ni	< .01
Cu	< .01
Na	0.2
Ti	0.3
Cr	< .01
K	7.
Ca	10.

III. CONCLUSION:

The sample appears to be a form of inorganic silicate and therefore, not a form of meteorite.

IV. RECOMMENDATIONS:

None, data merely submitted.

PREPARED BY:

Paul M. Maslona

Paul M. Maslona, 2d Lt., USAF

PUBLICATION REVIEW

This report has been reviewed and is approved.

Doctor S. Morrisey

DOCTOR S. MORRISEY, Capt., USAF
Asst. Chief, Analytical Branch
Materials Physics Division
AF Materials Laboratory

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

MAY 64-24

SUBORDER (Ref ASDR 80-4)

1. TO (Supporting Element)	2. DATE	3. FOR SERVICE IN SUPPORT OF:	4. FILE OR LEDGER NO.
MAYA	6 OCT 64	SYSTEM NO.	INITIATING ELEMENT
5. DATE COMPLETION REQ.	6. PRIORITY	PROJECT NO.	SUPPORTING ELEMENT 4-15-91
ASAP		TASK NO. 68002 (FTD)	
7. SECURITY CLASSIFICATION OF WORK REQUESTED	8. PRECEDENCE RATING		
9. A/C TYPE, MODEL AND SERIAL NO.		PROGRAM STRUCTURE	OTHER
		TITLE	

10. DESCRIPTION OF WORK

EMISSION ON SUSPECTED METEORITE

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	CDH	
MAN-HOURS	ORGN SYMBOL EXT	

CLOSING ACTION

17. REASON: ☒ COMPLETED ☐ CANCELLED	20. CHIEF (Supporting Element)	21. CHIEF (Responsible Element)
18. DATE COMPL: 8 Oct 64	Victor L. Monsey Capt. USAF	
19. M/HRS EXP: 2		

ASD FORM DEC 61 49

AF-WP-O-AUG 64 50M

TDEW

Analysis of Suspected Meteorite

14 Oct 64

AFMDC (MDF)
Holloman AFB, New Mexico 88330

Attn: Lt Colonel Howard L Conkey

We have completed analysis on the suspected meteorite which you forwarded to us on 25 Sep 64. Analysis completed by the Air Force Materials Laboratory on 12 Oct 64 indicated that the object was not a meteorite. We are returning the object and enclosures to you as requested.

FOR THE COMMANDER

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

3 Atchs
1. Ltr fro[redacted] to Dr Steinhoff, 5 Sep 64
2. Pkg containing particle
3. Analysis

HEADQUARTERS
AIR FORCE MISSILE DEVELOPMENT CENTER
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Holloman Air Force Base, New Mexico 88330

REPLY TO
ATTN OF: MDF

25 Sep 64

SUBJECT: Meteorite Particle for Analysis

TO: FTD (TDEW)
Wright-Patterson AFB, Ohio 45433

1. Dr Ernst Steinhoff, AFMDC Chief Scientist, on a recent trip to Europe picked up a small bit of material allegedly part of a larger meteorite. The object plus a translated description are forwarded with this letter.

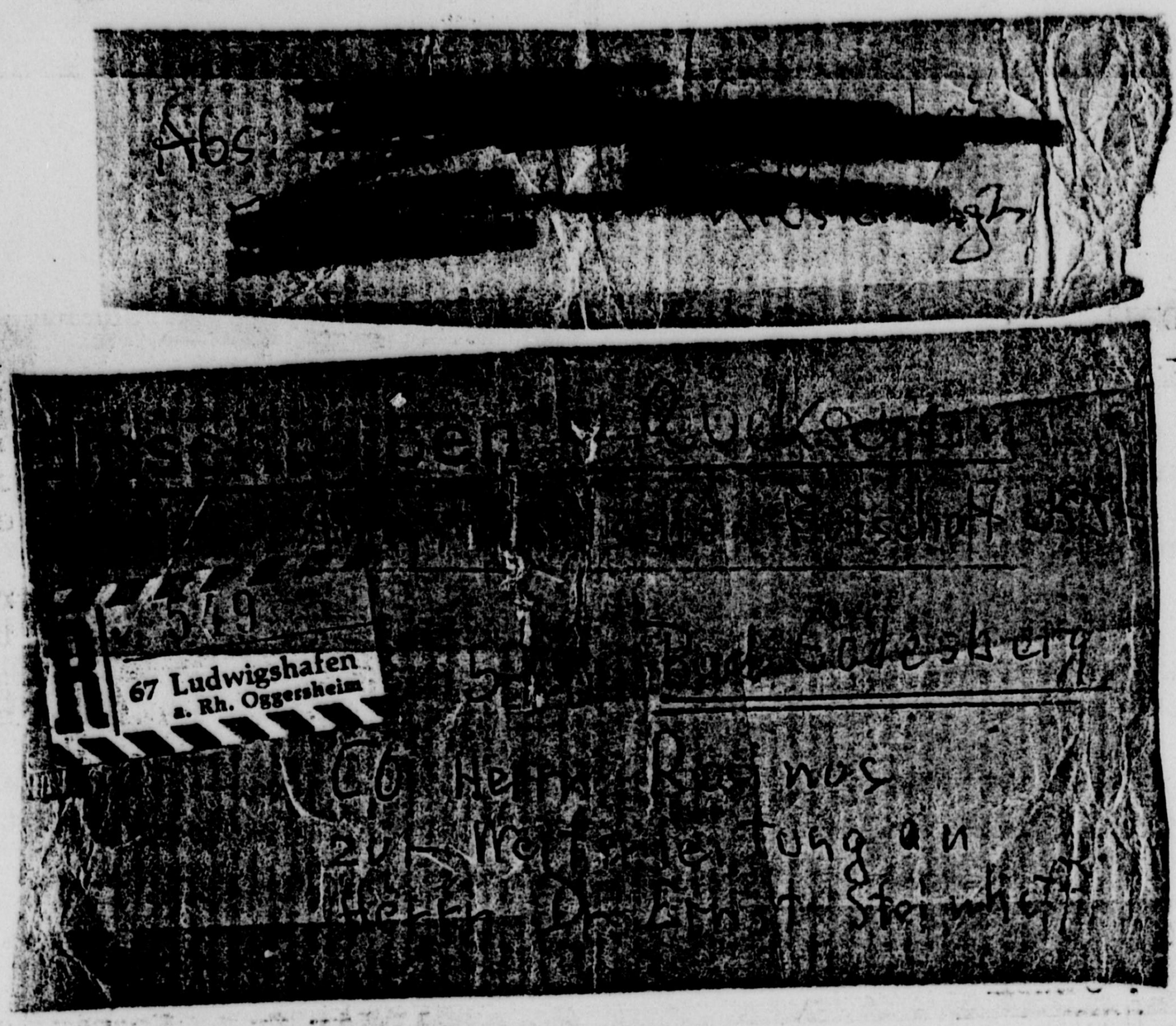
2. In the event the object is of interest to you, request you arrange for detailed analysis and provide my office (MDFC) with a final report. If you are not interested please return the object and inclosures, and I will turn them over to the School of Mines; Socorro, New Mexico for analysis outside of the Foreign Technology program.

FOR THE COMMANDER

Howard L. Conkey

HOWARD L. CONKEY
Lt Col, USAF
Deputy for Foreign Technology

2 Atch:
1. Ltr fr[redacted] to Dr Steinhoff, 5 Sep 64.
2. One sealed pkg.


67 Ludwigshafen
a. Rh. Oggersheim

TRANSLATION

[redacted] [redacted]ersheim, 5 Sep 64

Dear Dr. Steinhoff!

In reference to our telephone conversation of 3 September 1964, please find attached hereto the promised price of meteorite stone.

It has a degree of hardness of 6-8, contains quartz, and in a pulverized state can be utilized as a safety coating against Xrays and other radiation.

I am convinced that the examination of this specimen could lead to an interesting result, especially in view of the fact that the world's best research facilities are at your disposal.

Should you have an interest in other materials, I can also make these available to you.

I personally am not in possession of these meteor stones; however, I can act as the go-between to procure them.

Respectfully yours,

/[redacted]IG

Translated by:

Victor E. Seyen, Jr.
Technical Support Directorate (MDFC)
Deputy for Foreign Technology
Holloman AFB, New Mexico
25 September 1964

atch 1

EUROPE 12 OCT 64

CASE INCLUDES PHYSICAL SPECIMEN (QUARTZ) IN SEPARATE FOLDER

ARTIFACT # 341 - 25-449
LOCATED IN ARTIFACT ROOM