

PROJECT 10073 RECORD CARD

1. DATE 23 Feb 61		2. LOCATION Saudi Arabia		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☒ Was Astronomical (METEOR) ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local 1142 GCT GMT		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes Physical ☒ No Specimen		6. SOURCE Military			
7. LENGTH OF OBSERVATION Seconds w/smoke 10 min		8. NUMBER OF OBJECTS 1		9. COURSE Falling	
10. BRIEF SUMMARY OF SIGHTING Sound similar to sonic boom followed by cloud of smoke. Tail indicated track fm N to S. After explosion cloud of white smoke persisted for 10 min. About 12 min later fragments fell to earth. 5 fragments obtained.				11. COMMENTS Bolide. Physical specimens of meteorite obtained.	

ATIC FORM 329 (REV 26 SEP 52)

UNCLASSIFIED

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OVER CKT AS NBR 5/24 FEB -- PLEASE DESTROY ALL OTHER COPIES/

1961 FEB 25 09 05

2224 27 FEB 61

PRIORITY

FM DET 12 21 WEA SQ DHAHRAN AIR FIELD SAUDI ARABIA

240600Z

TO USAF WASHDC

ATTN WPAFB OHIO

HANSCOM AFB MASS

INFO SCOTT AFB ILL

2 WEA WG LINDSEY AIR STA GER

BT

FROM 21-12WD. 24-B-4. REF AWSS 001-B.

MOON DUST MSG: HQ USAF, ATTN: AFCIN-1B-1; ATIC, ATTN: AFCIN-4A,

WRIGHT PATTERSON AFB OHIO; AFCCDD (CCSTN), HANSCOM AFB, MASS;

INFO COPY TO AWS (AWSSS), SCOTT AFB ILL. FOLLOWING OBSERVATION

MADE BY DET THIS STATION. PART 1. AT APPROXIMATELY 1142 GCT 23

FEB 61 A DISTINCT BOOM, SIMILAR TO A SONIC BOOM, WAS HEARD

FOLLOWED BY A ROLLING RUMBLE LIKE DISTANT THUNDER. IN AN OTHERWISE

PERFECTLY CLEAR SKY, THERE APPEARED A DENSE WHITE CLOUD WITH A

LESS DENSE ZIG ZAG TAIL TRAILING AWAY TO THE SOUTH. THE TAIL

INDICATED A TRACK FROM SOUTH TO NORTH. THE TAIL DISAPPEARED

AFTER ABOUT 10 MINUTES. THE DENSE WHITE CLOUD PERSISTED FOR ABOUT

30 MINUTES. DURING THIS TIME IT DRIFTED VERY SLOWLY TO THE

EAST ABOUT 15 DEGREES. THE CLOUD DIAMETER SUBTENDED AN ANGLE OF ABOUT

Classification Cancelled

Auth.

By

Date

APR 20 1968
3 Jan 68

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PAGE TWO

2 DEGREES. THE ELEVATION ANGLE WAS ABOUT 60 DEGREES. PART 2. THE FOLLOWING OBSERVATION WAS MADE BY A SENIOR OFFICER AT A LOCATION 30 MILES DUE NORTH OF DHAHARN. HE HEARD THE BOOM FOLLOWED BY AN UNDULATING LOW PITCHED WHISTLE OR RUMBLE STRONGLY SUGGESTING FRAGMENTS TUMBLING THROUGH THE AIR. HE ESTIMATED THE ELEVATION ANGLE OF THE MAIN CLOUD TO BE 80 TO 85 DEGREES ON AN AZIMUTH HEADING OF 10 DEGREES EAST OF NORTH.

BT

25/0903Z

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

UNCLASSIFIED

JOINT MESSAGEFORM				SECURITY CLASSIFICATION		
				UNCLASSIFIED		
SPACE BELOW RESERVED FOR COMMUNICATION CENTER						
ZNR 17 MAR 61 15 04z						
TOT 17/1550 Z 27						
PRECEDENCE		TYPE MSG (Check)		ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION ROUTINE		BOOK	MULTI	SINGLE	21-12WD	CONF
INFO					24-B-4	
FROM: ATIC W-P AFB					SPECIAL INSTRUCTIONS	
TO: DHAHAN AIR FLD SAUDI ARABIA						
UNCLAS/AFCIN-4E2x 3-1268						
DET 1221 WEA SQ° YOUR MSG 21-12WD 24-B-4. HARVARD UNIVERSITY VERY INTERESTED IN POSSIBLE RECOVERY OF METEORITE WHICH FELL IN YOUR AREA 23 FEB 61. DR FRED WHIPPLE WILL CONTACT YOUR ORGANIZATION FOR INFO CONCERNING THE FALL. INFO AS TO THE EXACT LOCATION OF THE FALL, DEPTH OF THE WATER IN WHICH THE OBJ FELL, AVAILABILITY OF WITNESSES AND AVAILABILITY OF SKIN DIVERS VERY IMPORTANT.						
					171455 Z	
					17 0955	
					DATE	TIME
					16	1055
					MONTH	YEAR
					Mar	1961
SYMBOL			SIGNATURE			
AFCIN-4E2x			Philip G. Evans			
TYPED NAME AND TITLE (Signature required)			TYPED (or stamped) NAME AND TITLE			
Major Robert J. Friend			PHILIP G. EVANS			
PHONE 72111			Colonel, USAF			
PAGE 1			Deputy for Science and Components			
NR. OF 1						
PAGES 1						
SECURITY CLASSIFICATION						
UNCLASSIFIED						

HEADQUARTERS
2d AIR DIVISION (USAF)
UNITED STATES AIR FORCE
APO 616, US Forces



REPLY TO
ATTN OF:

OAI

4 March 1961

SUBJECT: Supplemental Physical Evidence on Unidentified Explosion and Smoke
over Ras Tamura, Saudi Arabia, 23 February 1961

TO: Air Technical Intelligence Center (AFCIN-4E4g)
Wright-Patterson AFB, Ohio

The following supplemental information and evidence is forwarded for further consideration and analysis in connection with the unidentified explosion in the air over Ras Tamura, Saudi Arabia, on Thursday, 23 Feb 1961, as reported by Major James W. Green, CO, 21st Weather Sq, Det 12, this station, on 24 Feb 1961:

a. Photographic.

(1) Still photograph taken by observer in boat on Half Moon Bay, longitude 50.10 E., latitude 26.05 N.

(a) Smoke formation resulting from flash explosion followed by series of minor consecutive explosions.

(b) Two prints. Negative unobtainable.

(2) Type and make of camera: AGFA-ISOLETT-120-2 $\frac{1}{2}$ x2 $\frac{1}{4}$.

(3) Type focal length and make of lens: 1:4.5 - 85 MM AGFA.

(4) Brand and type of film: Kodak Verichrome Pan.

(5) Shutter speed used: 1/100.

(6) Lens opening used: F-22.

(7) No filter used.

(8) Solid stand used: None. Held in boat, trolling slowly.

(9) No panning used.

(10) Camera pointing relative to true North, and angle to ground (water), North 45°.

b. Material.

Five fragments (one metallic and 4 charcoal-like), picked up by another observer on South Pier of Aramco refinery at Ras Tanura, Saudi Arabia, reported falling approximately 12 minutes after last explosion

heard. Fragments were turned in to Aramco officials who had tests run on the metal (fresh break) which they reported indicated presence of silver and highly magnetic with very slight radioactivity.

c. Additional Information.

Short flame, white smoke, and series of five consecutive explosions, very high in altitude, were reported by several observers at the Aramco compound and at this station. In one instance only was an object thought to be seen, very small, just before the explosion, and one observer believed he saw a waterspout off the shore as if caused by a falling body shortly after the explosion.

Boyd Hubbard Jr.
BOYD HUBBARD, JR.
Colonel, USAF
Deputy Commander

- 2 Atch
1. Photos (2)
2. Envel w/samples