PROJECT 10073 RECORD

1. DATE - TIME GROUP 23 OCT 54 24/0323Z	2. LOCATION TINKER AFB, OKLAHOMA
3. SOURCE MILITARY	10. CONCLUSION OTHER: RADAR BEACON
4. NUMBER OF OBJECTS ONE	
5. LENGTH OF OBSERVATION - - -	11. BRIEF SUMMARY AND ANALYSIS Obs on FPS-10, (PPI scope) Upon initial pick-up, speed was in excess of 3200 nautical mph, but changed to 250 nautical mph, before turning from its 340 deg heading to a 160 deg heading away from the radar site. The target appeared in size, shape and brillian ce equal to normal IFF.
6. TYPE OF OBSERVATION GROUND RADAR	
7. COURSE - - -	COMMENTS: Radar frequency interference very probably caused by signal from beacon (i.e. AN/APW-11). See case file for complete analysis.
8. PHOTOS ☐ Yes ☒ No	
9. PHYSICAL EVIDENCE ☐ Yes ☐ No	

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

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AIR INTELLIGENCE EVALUATION RECORD

ATIC 204311

TO: Witness

AIR INTELLIGENCE INFORMATION REPORT NUMBER: IAI-57-54

DATED: 26 Oct 54

SOURCE OF REPORT (Air Attache, Command, etc.): 746th AC&W Sq, Tinker AFB, OKLA.

INTELLIGENCE REPORT PREPARED BY (Name of officer): Lt L. R. Guay

USABILITY OF REPORT		VALIDITY OF INFORMATION		FULFILLMENT OF REQUIREMENT	
X	EXCELLENT	X	CONFIRMED	X	COMPLETE
	SPECIFIC		PROBABLY TRUE		PARTIAL
	USABLE		POSSIBLY TRUE		SLIGHT
	TOO GENERAL		DOUBTFUL		
			CANNOT JUDGE		

COMMENTS (In narrative style, expand on your evaluation as checked above. Your comments, guidance and helpful criticism are appreciated by collectors. Carefully prepared and detailed Evaluation Records will improve the quality of reporting and provide you with intelligence information of higher quality.)

1. Several references in the report refer to similarity to "IFF return." If this similarity refers to several spaced signals (coding) rather than a single return the signal is due to a beacon signal (such as AN/APN-11) triggered by another radar (not the one operated by 746th AC&W) at almost the same PRF as the PRF of the FPS-10 of the 746th.

2. If the return is a single pip (not coded) then it could be either the beacon referred to above, or an interfering signal from another radar set in the same frequency band, and with a PRF almost the same as the FPS-10.

3. The approach, turn around, and departure of the signal is caused by the PRFs of the FPS-10 and the interfering signal drifting toward each other in frequency, crossing over (at the turn around point) and then separating again.

GROUP 4
Downgraded at 3 year intervals; declassified after 12 years
13 May 68

T55-0685

DATE	ACTIVITY	ANALYST (Signature)
13 Jan 55	ATIAE5, Air Technical Intelligence Center Wright Patterson Air Force Base, Ohio	Capt. C.A. Hardin

AF FORM 1 JUN 54 112b PREVIOUS EDITIONS OF THIS FORM MAY BE USED. UNCLASSIFIED GPO 878388

[redacted]

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AIR INTELLIGENCE INFORMATION REPORT

U.F.O.B.

Tinker Air Force Base

776th AC&W Squadron

24 October 1957

21 October 1957

F-6

2nd Lt. Lawrence E. Gray

776th AC&W Squadron

N/A

1. The attached UFOB report is being forwarded to ATIC for analysis and evaluation.

2. ATIC is authorized to contact Flight 2 of 1602d [illegible], [illegible] Air Force Base, Oklahoma City, Oklahoma, in the event further information is required.

[illegible]
Colonel USAF
Commander
Major USAF

Distribution:
D/I USAF
COMDR ATIC
ADCOIN (COC)
D/I 33rd AD

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE [illegible] STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U.S.C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVE[illegible] MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. IT MAY NOT BE REPRODUCED IN WHOLE OR IN PART, BY [illegible] FORCE AGENCIES, EXCEPT BY PERMISSION OF THE DIRECTOR OF INTELLIGENCE, USAF.

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AF FORM 112—PART I
APPROVED 1 JUNE 1948

Page 1 of 4 pages

COUNTRY USA	REPORT NO.	[illegible]

AIR INTELLIGENCE INFORMATION REPORT

SUBJECT U.F.O.B.		
AREA REPORTED ON [illegible] Air Force Base	FROM (Agency) [illegible] AC&W Squadron	
DATE OF REPORT [illegible] October 1954	DATE OF INFORMATION 26 October 1954	EVALUATION F-[illegible]
PREPARED BY 2nd Lt. Lawrence R. Guay	SOURCE [illegible] AC&W Squadron	
REFERENCES N/A		

SUMMARY: [illegible]

On 26 October 1954 at 2223 CST (0323Z), an unusual target was [illegible] the director on duty of the [illegible] AC&W Squadron.

I. DISCUSSION: 2/Lt. Lawrence R. Guay, duty director, [illegible] of 3000 nautical miles per hour. [illegible] 150 nautical miles out from site in [illegible] 1050 on an azimuth of [illegible] within 75 miles of Oklahoma City in [illegible] 4515 [illegible] of approximately 250 nautical miles per hour [illegible] headed away from Oklahoma City on a heading of 160 [illegible] of 4000 nautical miles per hour. Target continued on a 160 heading [illegible] radar coverage.

II. PREPARING OFFICER'S COMMENTS: During radar contact with target, the [illegible] Squadron was notified of target's position and they also had radar contact with target. Contact with target was on vertical [illegible] only at the [illegible] AC&W Squadron. Target was reported to 33rd Air Division (DC) and [illegible]

Lawrence R. Guay
LAWRENCE R. GUAY
2nd Lt USAF
Preparing Officer

Chester [illegible]
CHESTER R. [illegible]
Captain USAF
Approving Officer

[illegible]
Air Force 125
[illegible] Copy
[illegible]

DISTRIBUTION BY ORIGINATOR

[illegible] 54 [illegible]

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3/67 IR 54-261

AF FORM 112—PART II

[redacted]

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AIR INTELLIGENCE INFORMATION REPORT

[illegible] AC&W Sqdn		[illegible]

RADAR OBSERVATION DATA SHEET

I. QUESTIONS REGARDING DESCRIPTION RADAR EQUIPMENT

1. What type radar equipment is involved?

FPS-10

2. Has there been any recent maintenance difficulties? If so, describe.

Yes. Intermittent [illegible] malfunction.

3. What type receiver (i.e., crystal, etc.) was used in the radar equipment?

[illegible]

4. Was the AFC (automatic frequency control) circuit of the receiver operating properly?

Yes.

5. Has interference from another radar set been observed recently, and is personnel familiar with the correct control of the interference [illegible]?

Yes interference has been noted from another radar set but the personnel have been thoroughly familiarized with the controls.

6. What type indicators, "A scope", "B scope", etc., were used to follow the target?

PPI and RHI

7. What was the radar scan rate?

4 [illegible]

8. What was the approximate frequency of the transmitter?

2970 megacycles [illegible]

II. GENERAL QUESTIONS

1. What were the general weather conditions at the time unidentified target was observed?

In the area where target was noticed there was an overcast at 10,000 feet.

2. Obtain weather data from nearby U.S. weather stations [illegible] temperature vs altitude, humidity vs altitude, and wind velocity vs altitude.

Weather reports indicating cloud type and amount, winds aloft and weather conditions pertinent to [illegible] control of aircraft is made available [illegible] from the 33D Air Division(Defense) and is posted for the use of the Director of Duty.

(Page #2) of Incl # 1

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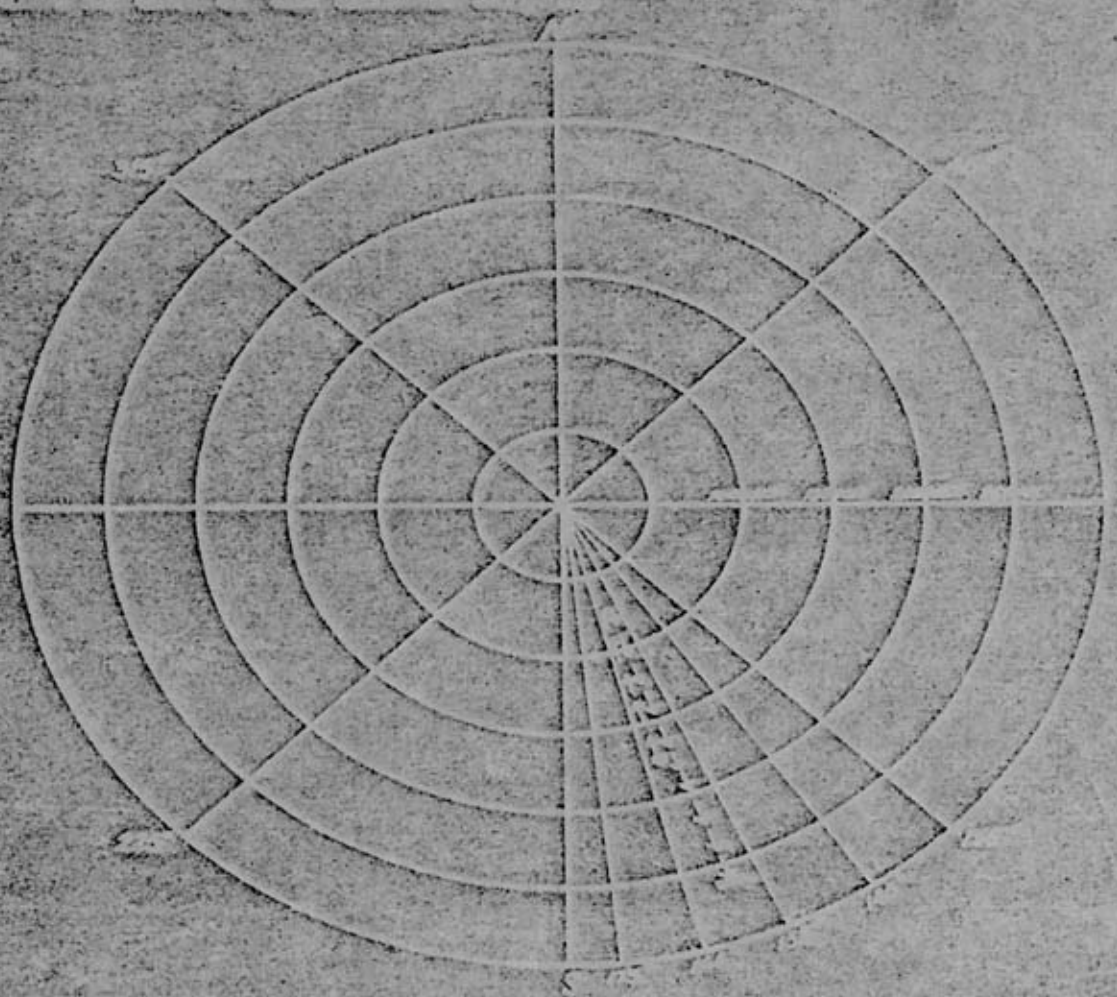
AIR INTELLIGENCE INFORMATION REPORT

[redacted]



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