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. COMMENTS: Radar frequency interference very probably caused by signal from beacon (i.e. AN/APW-11). See case file for complete analysis.
6. TYPE OF OBSERVATION GROUND RADAR	
7. COURSE - - -	
8. PHOTOS ☐ Yes ☒ No	
9. PHYSICAL EVIDENCE ☐ Yes ☐ No	

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

[redacted] UNCLASSIFIED 10

AIR INTELLIGENCE EVALUATION RECORD ATIC 204311

TO: Witness 24/0332Z Tinker AFB, OKLA

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. Gray

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	[redacted], 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 MA[redacted]

[redacted] UNCLASSIFIED

GPO 876386

UNCLASSIFIED

AIR INTELLIGENCE INFORMATION REPORT

UNCLASSIFIED

AIR INTELLIGENCE INFORMATION REPORT

UNCLASSIFIED

UNCLASSIFIED

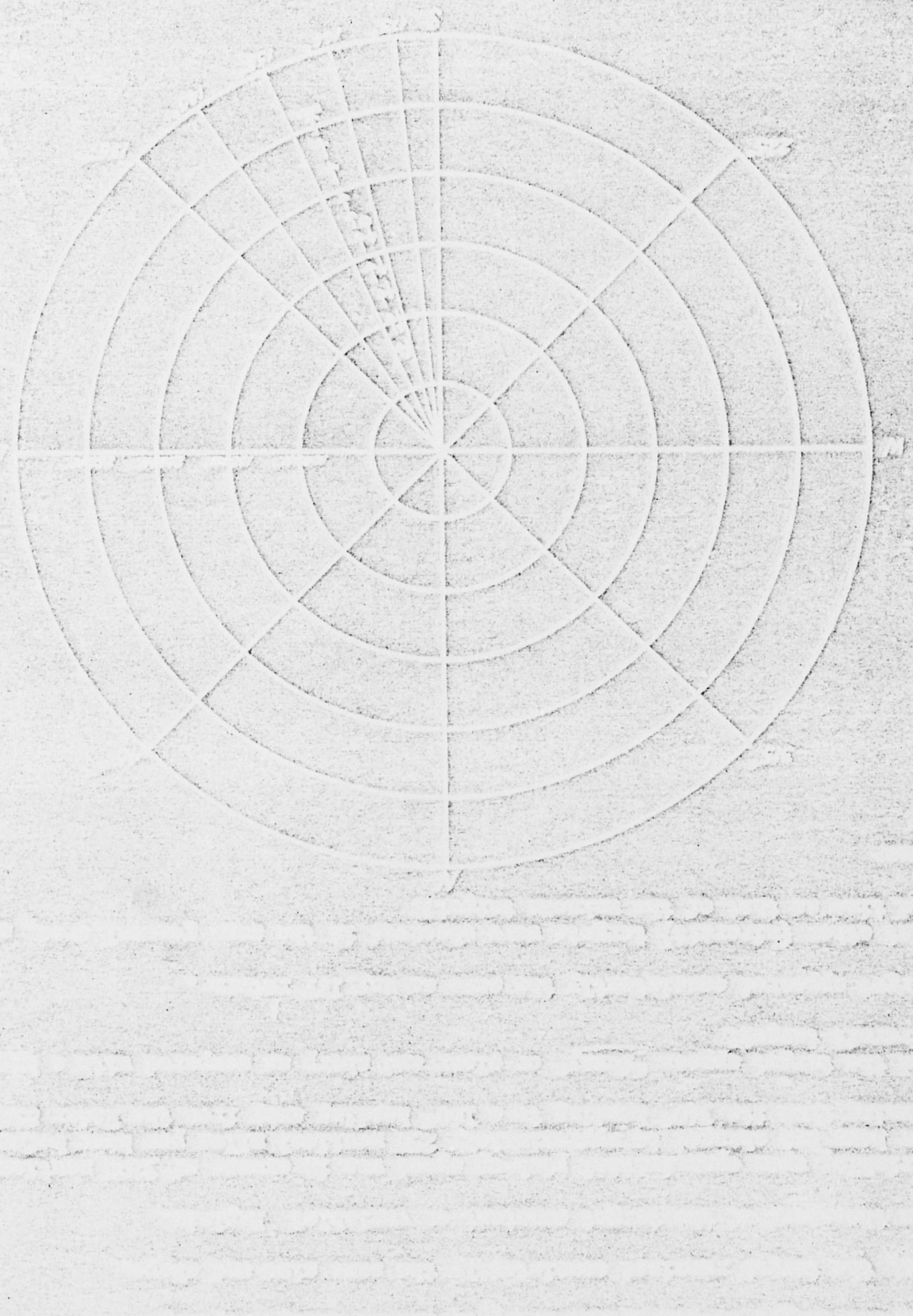
AIR INTELLIGENCE INFORMATION REPORT

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED



UNCLASSIFIED