

PROJECT 10073 RECORD CARD

1. DATE <u>26 Jan 51</u>		2. LOCATION <u>(FAR EAST)</u> <u>36 deg 40' N - 130 deg 50' E</u>		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other <u>Weather</u> ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local _____ GMT <u>26/1405I</u>		4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☒ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☐ No		6. SOURCE <u>Radar Ops</u>			
7. LENGTH OF OBSERVATION <u>15 min</u>		8. NUMBER OF OBJECTS <u>1</u>		9. COURSE <u>Radar Varied</u>	
10. BRIEF SUMMARY OF SIGHTING <u>Unidentified object made passes at ship</u> <u>Guadalupe. Speed 3000mph. No visual sighting,</u> <u>Radar only.</u>				11. COMMENTS <u>Information indicates that the radar</u> <u>targets possibly could have been caused</u> <u>by one of the following: Interference</u> <u>from another radar set, Interference from</u> <u>the detecting radar set itself and</u> <u>weather.</u>	

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

DRAFTER	EXTENSION NUMBER	ADDRESSES	PRECEDENCE
FROM COMFAIRWING 6	FOR ACTION	COMNAVFE	☐ FLASH ☐ EMERGENCY ☐ OPERATIONAL IMMEDIATE ☒ PRIORITY P P ☐ ROUTINE ☐ DEFERRED
RELEASED BY			
DATE 28 JAN 1951			
TOR CODE ROOM 0103/29 JAN			
DECODED BY LONG	INFORMATION	COMFAIRJAP	☐ FLASH ☐ EMERGENCY ☐ OPERATIONAL IMMEDIATE ☒ PRIORITY P P ☐ ROUTINE ☐ DEFERRED
TYPED BY DUDROW			
ROUTED BY DUDROW			

Unless otherwise indicated, this message will be transmitted with Night Message Precedence

CORRECTED DIST

(date/time group) (GCT)

9991

net/cmc No.

On outgoing messages please leave about one inch clear space before beginning text

READDRESSSED BY COMNAVFE AS 280624Z FOR INFO TO CINCFE/FEAF(AF)/
CINCPACFLT/COM 7TH FLT/CTF 77

READDRESSSED BY CINCPACFLT ADMIN AS 282331Z FOR INFO TO CNO

YOUR 271002Z. MY 261110Z. PLANE CIRCLING GUADALUPE DURING
OBSERVATIONS. COURSES OF TARGETS NOT AVAILABLE AS COURSES OF PLANE
AND GUADALUPE NOT RECORDED. ALL TARGETS APPEARED TO ORIGINATE FROM
SCOPE CENTER AND RETIRE EXCEPT FOR 1 TARGET APPROACH TO, OVER AND
RETIREMENT FROM GUADALUPE. RADIATION OF ALL TARGETS FROM SCOPE
CENTER CAN POSSIBLE BE EXPLAINED BY APPROACHES BEING MADE ON PLANE
FROM DIRECTLY OVERHEAD WITH TARGET ENTERING RADAR BEAM WIDTH ON
RETIREMENT ONLY. RADAR BEAM WIDTH 15 DEGREES. COMPLETE REPORT WILL

FOLLOW EARLIEST

DOWNGRADED AT 3-YEAR INTERVALS!

DECLASSIFIED AFTER 12 YEARS.

DOD DIR 5200.10

UNCLASSIFIED

65

03(32)...COG

ADD:...A2...G2...CIA...OP-51...55...PER 03(32)

1/29/51/EC

002...CNO 00D...

OPNAV-01-019

10-55013-1 U. S. GOVERNMENT PRINTING OFFICE

PARAPHRASE NOT REQUIRED. CONSULT CRYPTO CENTER BEFORE DECLASSIFYING.

1-5712-34

JM

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NAVAL MESSAGE

NAVY DEPARTMENT

DRAFTER	EXTENSION NUMBER	ADDRESSES	PRECEDENCE
FROM COMFAIRWING 6	FOR ACTION	COMFAIRJAP	☐ FLASH
RELEASED BY			☐ EMERGENCY
DATE 29 JAN 1951			☐ OPERATIONAL IMMEDIATE
TOR CODE ROOM 00457/29	INFORMATION		☐ PRIORITY P P P P
DECODED BY LONG			☐ ROUTINE
TYPED BY WATKINS			☐ DEFERRED
ROUTED BY DUDROW			☐ FLASH
			☐ EMERGENCY
			☐ OPERATIONAL IMMEDIATE
			☐ PRIORITY
			☐ ROUTINE
			☐ DEFERRED

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CORRECTED DIST

(date/time group) (GCT)

9990

ncr/cmc No.

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READDRESSSED BY COMFAIRJAP AS 270626Z ACTION COMNAVFE.

READDRESSSED BY COMNAVFE AS 270848Z ACTION CINCPACFLT ADMIN, CINCFE, FEAF/AF/.

READDRESSSED BY CINCPACFLT ADMIN AS 282329Z INFO CNO.

26 Jan 51
SA7 PILOT COMDR SMALE SQUADRON ELECTRONICS OFFICER CRE
[REDACTED] AND REGULAR PLANE RADAR OPERATOR OBSERVED AIRBORNE
RADAR TARGETS FROM 2614051 TO 2614201 AT LAT 36-40 N 130-50 E
MAKE ONE PASS ON GUADALUPE (AO-32) AND 8 ON OR OVER OWN AIR-
CRAFT. TARGET SPEED COMPUTED TO BE 3000 MILES PER HOUR. RADAR
ON 30 MILE SCALE WITH 10 MILE MARKERS. TARGET MOVED FROM 10
MILE MARKER TO 20 MILE MARKER IN 12 SECONDS. RADAR BLIPS
ELONGNATED TO 3/8 INCH WHEN TARGET MAKING RUN ON GUADALUPE
15 MILES AWAY AND 1/8 INCH ON RETIRING RUN ON THOSE MADE ON PLANE.
TARGET TRACKED OUT TO 30 MILES. MOREY BELIEVES TARGET CAME FROM

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CINCPAC-20-00

10-09015-1 U. S. GOVERNMENT PRINTING OFFICE

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OVERHEAD AND ONLY APPEARED ON SCOPE WHEN THE TARGET CAME INTO
RADAR RANGE. RADAR OPERATING SATISFACTORILY AT RANGES BELOW
50 MILES. GUADALUPE ONLY SHIP IN REFUELING GROUP AND NO OTHER
RADAR TARGETS IN AREA. NO VISUAL SIGHTINGS. CLOUD COVER
5 TO 6/10 AT 3000 FEET.

03(32)...COG

002...CNO COD...

ADD:...A2...G2...CIA...OP-51...55...PER 03(32) 1/29/51/EC

Originator COMFAIRWING 6 D/T Group Page 2 of 2 Pages

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OPNAV-20-4031

C 9990

10-48019-1

AF (IC

~~SECRET~~/R A D N O (E/ FOR INTELLIGENCE/ ROGERS FROM AFOIN-
V/TC HARRIS THE FOLLOWING MESSAGES ARE QUOTED FROM TWO CABLES RECEIVED
BY AFOIN-V/TC FROM COMFAIRWING 6 ON 26 AND 28 JAN 51. REQUEST THAT
EVALUATION AND COMMENTS BE FORWARDED TO TCB SOONEST. CABLE DATED
26 JAN 51 READS AS FOLLOWS:

UNCLASSIFIED

"SA7 PILOT CDR SNALE SQUADRON ELECTRONICS OFFICER CRE ~~REDACTED~~
AND REGULAR PLANE RADAR OPERATOR OBSERVED AIRBORN RADAR TARGETS
FROM 2614051 TO 2614201 AT LAT 36-40N 130-50E AMKE ONE PASS ON
GUADALUPE (AO-32) AND 8 ON OR OVER OWN AIRCRAFT. TARGET SPEED
COMPUTED TO BE 3000 MILES PER HOUR. RADAR ON 30 MILE SCALE WITH
10 MILE MARKERS. TARGET MOVED FROM A10 MILE MARKER TO 20 MILE
MARKER IN 12 SECONDS. RADAR BLIPS ELONGATED TO 3/8 INCH WHEN TARGET
MAKING RUN ON GUADALUPE 15 MILES AWAY AND 1/8 INCH ON RETIRING RUN
ON THOSE MADE ON PLANE. TARGET TRACKED OUT TO 30 MILES. ~~REDACTED~~
BELIEVES TARGET CAME FROM OVERHEAD AND ONLY APPEARED ON SCOPE WHEN
~~THE TARGET CAME INTO RADAR RANGE. RADAR OPERATING SATISFACTORILY~~
AT RANGES BELOW 50 MILES. GUADALUPE ONLY SHIP IN REFUELING GROUP
AND NO OTHER RADAR TARGETS IN AREA. NO VISUAL SIGHTINGS. CLOUD
COVER 5 TO 6/10 AT 3000 FEET."

CABLE DATED 28 JAN 51 READS AS FOLLOWS:

"PLANE CIRCLING GUADALUPE DURING OBSERVATION, COURSES OF TARGETS
NOT AVAILABLE AS COURSES OF PLANE AND GUADALUPE NOT RECORDED. ALL
TARGETS APPEARED TO ORIGINATE FROM SCOPE CENTER AND RETIRE EXCEPT
FOR 1 TARGET APPROACH TO, OVER AND RETIREMENT FROM GUADALUPE.
RADIATION OF ALL TARGETS FROM SCOPE CENTER CAN POSSIBLY BE EXPLAINED
BY APPROCHES BEING MADE ON PLANE FROM DIRECTLY OVERHEAD WITH TARGET
ENTERING RADAR BEAM WIDTH ON RETIREMENT ONLY. RADAR BEAM WIDTH
15 DEGREES. COMPLETE REPORT WILL FOLLOW EARLIEST."/S E C R E T/

ACTION COPY

315-17150-1

[REDACTED]

ACTION COPY

Z

[REDACTED]

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PARAPHRASE NOT REQUIRED. SEE CRYPTO-CENTER
BEFORE DECLASSIFYING

NR 17 5 FEB 51
C1

JEP B59EE
NR JEDCR

DE JEP C18C

FM JEP C/HQ USAF

TO JEDCR/CGAMC WRIGHT-PATTERSON AFB DAYTON OHIO

file 5/11/16
FEB 5

for

15:34

- 1 MCIS - Action
- 2 MCII - JEP
- 3
- 4. MCAG & M21 - info

824484



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

UNCLASSIFIED

7 FEB 1951

AFOIN-V/TC

SUBJECT: ~~Restricted~~ Unusual Radar Targets

TO: Commanding General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTENTION: MCIAKE

Letter your Headquarters, subject "Unusual Radar Targets (Restricted)," dated 12 January 1951, has been forwarded to Directorate of Training, this Headquarters, for action.

BY COMMAND OF THE CHIEF OF STAFF:

[Signature]
L. B. BLACK
Captain, USN
Chief, Evaluation Division
Directorate of Intelligence

14 FEB 51 11 13

*File
10073*

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UNCLASSIFIED

10073

Report of Unconventional Aircraft (CONFIDENTIAL)

MCIAKE

MCIAXA-la

9 Feb 51

1

Forwarded herewith is Hq Westover AFB (1600th Air Transport Wing, ATLD-MATS) letter dated 5 Feb 51 for your comments.

1 Incl:

Hq 1600th ATW
Westover AFB ltr
dtd 2-4-51

KENT PARROT
Lt Colonel, USAF
Chief, Aircraft & Propulsion Sec
Technical Analysis Division
Intelligence Department

JJR/eps
6-5376
P D-11
B 263D

UNCLASSIFIED

ROUTING AND RECORD SHEET

MATERIEL COMMAND

Use this form for inter-office correspondence within headquarters.

Use authorized office symbols to designate addressor and addressee.

Place initials of dictator and typist, telephone number and location to right of signature.

Number all comments consecutively.

Note warning signal at lower left of form. Remaining space is sufficient only for proper spacing of typewritten signature.

Separate comments by horizontal lines across page.

Use authorized office symbols to designate

SUBJECT Analysis of Report Regarding Unknown Radar Targets

DATE 12 Feb 51

TO MCIAXA-1A
ATTN: Mr. Rodgers

FROM MCIAXE

UNCLASSIFIED

DATE 12 FEB 1951 COMMENT NO. 1

1. It is suggested that the attached radnote be answered substantially as follows:

"Reference RADNOTE R 051620Z. Evaluation of referenced RADNOTE cannot be accomplished without additional information. This may be provided in the 'complete report' which your RADNOTE mentioned was forthcoming. Present information indicates that the radar targets possibly could have been caused by one of the following: (1) interference from another radar set; (2) interference from the detecting radar set itself; (3) weather; and least likely (4) airborne target or targets of unknown type.

"Additional information required for evaluation includes the following:

1. What type radar detected the targets
2. Frequency of radar
3. Pulse width
4. Type modulator (hard tube, spark gap?)
5. Altitude of aircraft when targets were detected
6. Were target blips steady while observed or were they spotty and of unequal amplitude?
7. What is meant by radar blips elongating to 3/8 inch and 1/8 inch? Is this elongation in range or azimuth?
8. How did the target size compare in range and azimuth with that of conventional aircraft?
9. Were the targets seen by more than one airborne radar?
10. Were any radar sets operational on the GUADALUPE and what were their target status during the time the airborne radar detected targets?
11. Were any other airborne targets detected during the time of detection of unknown targets?
12. Were there any other airborne aircraft during the time of detection of unknown targets and did they have radar equipment in operation.

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518-17150-A

TO WCIAXA-1A FROM MCCLAYE **SECRET** DATE COMMENT NO. 1
ATTN: Mr. Rodgers (Cont'd)

13. Is there any other information that can be added to this report?

Shaw/6
"It must be realized that evaluation of very sketchy and often misinterpreted radar target data is very difficult and can best be analyzed by personal interrogation by an analyst of the personnel operating the radar set involved."

1 Incl
PADNOTE 051620Z

John E. Libbert
JOHN E. LIBBERT
Major, USAF
Chief, Electronics Section
Technical Analysis Division
Intelligence Department

RLJ/dw
RLJ/dw
55170
B 263A
P A17

518-17150-A

(DO NOT WRITE BELOW THIS LINE)

SECRET

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

DRAFTER		EXTENSION NUMBER	ADDRESSEES	PRECEDENCE
FROM	CTE 96.21	FOR ACTION	CTG 96.2	☐ FLASH
RELEASED BY				☐ EMERGENCY
DATE	10 MAR 1951			☐ OPERATIONAL IMMEDIATE
FOR CODE ROOM	0703/10 MAR			☐ PRIORITYPPPP
DECODED BY		INFORMATION	COMNAVFE	☐ ROUTINE
TYPED BY	NAYLOR			☐ DEFERRED
ROUTED BY	BERKHEISER			☐ FLASH
				☐ EMERGENCY
				☐ OPERATIONAL IMMEDIATE
				☐ PRIORITYPPPPP
				☐ ROUTINE
				☐ DEFERRED

Unless otherwise indicated, this message will be transmitted with Night Message Precedence

6190

(Date/time group) (OCT)

HCC No.

On outgoing messages please leave about 1 inch clear space before beginning text

READDRESSSED BY COMNAVFE AS 100230Z INFO CNO.

LCDR [REDACTED] SQUADRON ELECTRONICS OFFICER IN PATRON 42 MARINER SA4 ENROUTE ASP MISSION FOR CTE 95.11 OBSERVED AND TRACKED HIGH SPEED AIR TARGET AT 0905251 POSIT 34-05 129-31. TARGET INITIALLY OBSERVED BEARING 320 TRUE 15 TO 17 MILES RANGE. A/C HEADING 270 TRUE. TARGET TRACKED 55 MILES IN APPROX 60 SECS BEFORE DISAPPEARING AT 45 MILE RANGE AND TRUE BEARING 075. TARGET COURSE APPEARED SLIGHTLY CURVED AND GENERALLY EASTERLY. CALCULATED SPEED APPROX 3350 MPH. SIGNAL ELONGATED TO ABOUT 3/8 INCH. NO TARGETS EMANATED FROM SCOPE CENTER. RADAR FUNCTIONING NORMALLY. PLUS 3 DEGREES TILT. OTHER TARGETS SMALL CRAFT AND LAND. IDENTICAL 2ND TARGET OBSERVED FOR APPROX 10 SECS AT 0905301 BEARING 085 TRUE AT 25-30 MILE RANGE SAME COURSE. WEATHER OVERCAST AT 3000 FEET. TARGETS VERIFIED BY NAVIGATOR. PATRON 42 SUBMITTING DETAILED REPORT DIRECT TO COMNAVFE.

03(32)...COG 202...002...DCNO FILE...20 FILE...A2...G2...CIA...STATE...

CNO/OOD...

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Paraphrase NOT Required

Consult Cryptocenter before declassifying

70

UNCLASSIFIED

Office Memorandum • UNITED STATES GOVERNMENT

TO : Op-322V

DATE: 20 ~~4~~

FROM : Op-322V2

SUBJECT: Radar Detection of Airborne Targets Making Passes on Guadalupe (AO-32)

Ref: (a) Naval Messages No. 261110Z and No. 280135Z from COMFAIRWING 6 to COMFAIR JAP

1. The following information is requested concerning radar detection of airborne targets making passes on Guadalupe (AO-32), in order that this headquarters can make an analysis of the type target sighted:

- (a) What type radar detected the targets?
- (b) Frequency of radar.
- (c) Pulse width.
- (d) Type modulator (hard tube, spark gap).
- (e) Altitude of aircraft when targets were detected.
- (f) Were target blips steady while observed or were they spotty and of unequal amplitude?
- (g) What is meant by radar blips elongating to $3/8$ inch and $1/8$ inch? Is this elongation in range or azimuth?
- (h) How did the target size compare in range and azimuth with that of conventional aircraft?
- (i) Were any radar sets operational on the Guadalupe and what were their target status during the time the airborne radar detected targets?
- (j) Is there any other information that can be added to this report?

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10073
AWT : 33, AMO
INITIALS JEL
DATE 3-19-51

CSAF Item 2, TT-091-AM, 15 March 51

THRU: MCIA
To: MCIAXA-1
Attn: Mr. Rodgers

MCIAXE

20 MAR 1951

1

Mr. James/leg
55170/B 263A

It is suggested that substantially the following reply be made to the subject message:

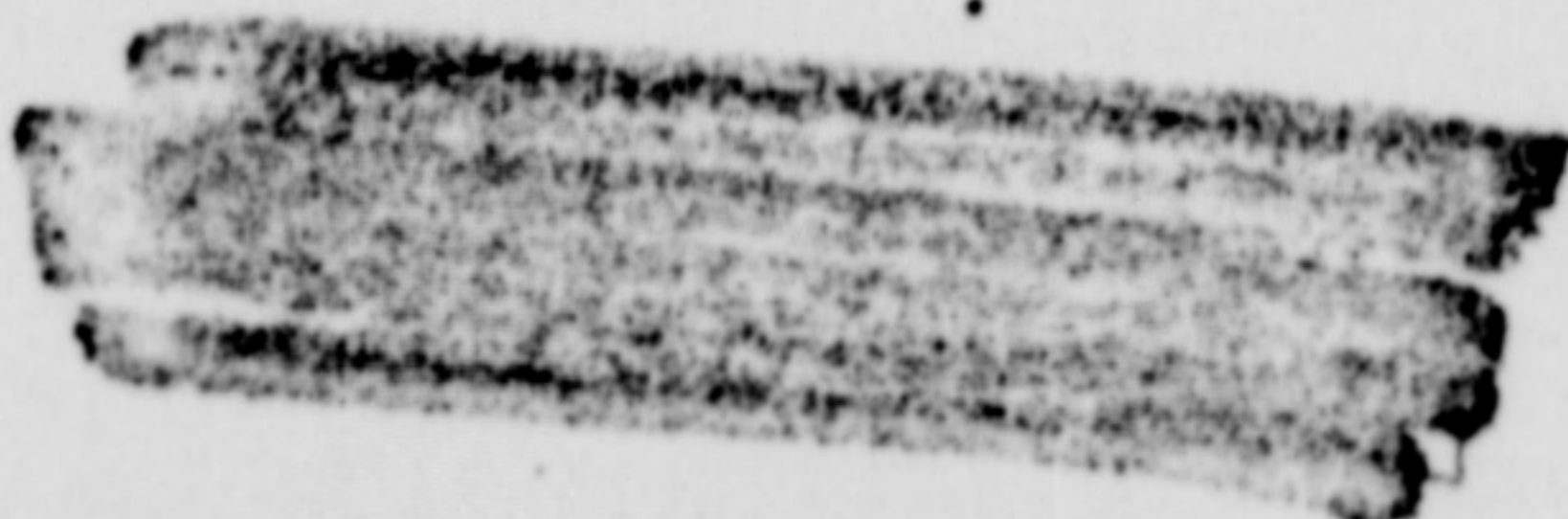
"Information contained in CSAF Item 2, TT-091-AM, 15 March 51 indicates that the unknown radar targets reported therein possibly were due to abnormal weather conditions.

"Previous reports have indicated that abnormal weather conditions may cause targets to appear to move at a very high rate, when actually the movement is due to several weather targets which are caused by changing weather conditions in the same general area. These weather targets are usually not as sharply defined as aircraft, ship, etc. targets. An indication of this is contained in the subject message as follows: 'Signal elongated to about 3/8 inch'.

"If more details regarding the subject radar observations become available, this office would appreciate receiving a copy thereof for inclusion in pertinent project file."

1 Incl
CSAF Item 2, TT-091-AM, 15 Mar 51

J. E. LIEBERT
Major, USAF
Chief, Electronics Section
Technical Analysis Division
Intelligence Department

UNCLASSIFIED


51S-39359

ITEM 1 AMC

FROM J J RODGERS MCIAXA-1
TO TCB

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INFORMATION CONTAINED IN CSAF ITEM 2, TT-091-AM, 15 MAR 51, INDICATES THAT THE UNKNOWN RADAR TARGETS REPORTED THEREIN POSSIBLY WERE DUE TO ABNORMAL WEATHER CONDITIONS.

PREVIOUS REPORTS HAVE INDICATED THAT ABNORMAL WEATHER CONDITIONS MAY CAUSE TARGETS TO APPEAR TO MOVE AT A VERY HIGH RATE, WHEN ACTUALLY THE MOVEMENT IS DUE TO SEVERAL WEATHER TARGETS WHICH ARE CAUSED BY CHANGING WEATHER CONDITIONS IN THE SAME GENERAL AREA. THESE WEATHER TARGETS ARE USUALLY NOT AS SHARPLY DEFINED AS AIRCRAFT, SHIP, ETC. TARGETS. AN INDICATION OF THIS IS CONTAINED IN THE SUBJECT MESSAGE AS FOLLOWS:
"SIGNAL ELONGATED TO ABOUT 3/8 INCH".

IF MORE DETAILS REGARDING THE SUBJECT RADAR OBSERVATIONS BECOME AVAILABLE, THIS OFFICE WOULD APPRECIATE RECEIVING A COPY THEREOF FOR INCLUSION IN PERTINENT PROJECT FILE.

END ITEM 1 AMC

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TT-110-AM
10 APRIL 51
MCIAXA/RODGERS

INFORMATION

513-50048

ITEM 5 AMC ~~SECRET~~

FROM J RODGERS MCIAXA-1A
TO AFOIN-V/TC ATTN COL HARRIS

UNCLASSIFIED

TT-065-401
15 February 81
MCIAXA/Rodgers

REFERENCE RADNOTE RC51620Z. EVALUATION OF REFERENCED RADNOTE CANNOT BE ACCOMPLISHED WITHOUT ADDITIONAL INFORMATION. THIS MAY BE PROVIDED IN THE 'COMPLETE REPORT' WHICH YOUR RADNOTE MENTIONED WAS FORTHCOMING. PRESENT INFORMATION INDICATES THAT THE RADAR TARGETS POSSIBLY COULD HAVE BEEN CAUSED BY ONE OF THE FOLLOWING:
(1) INTERFERENCE FROM ANOTHER RADAR SET;
(2) INTERFERENCE FROM THE DETECTING RADAR SET ITSELF; (3) WEATHER; AND LEAST LIKELY (4) AIRBORNE TARGET OR TARGETS OF UNKNOWN TYPE.

ADDITIONAL INFORMATION REQUIRED FOR EVALUATION INCLUDES THE FOLLOWING:

1. WHAT TYPE RADAR DETECTED THE TARGETS.
2. FREQUENCY OF RADAR. 3. PULSE WIDTH.
4. TYPE MODULATOR (HARD TUBE, SPARK GAP)
5. ALTITUDE OF AIRCRAFT WHEN TARGETS WERE DETECTED. 6. WERE TARGET BLIPS STEADY WHILE OBSERVED OR WERE THEY SPOTTY AND OF UNEQUAL AMPLITUDE. 7. WHAT IS MEANT BY RADAR BLIPS ELONGATING TO 3/8 INCH AND 1/8 INCH. IS THIS ELONGATION IN RANGE OR AZIMUTH. 8. HOW DID THE TARGET SIZE COMPARE IN RANGE AND AZIMUTH WITH THAT OF CONVENTIONAL AIRCRAFT.

9. WERE THE TARGETS SEEN BY MORE THAN ONE AIRBORNE RADAR. 10. WERE ANY RADAR SETS OPERATIONAL ON THE GUADALUPE AND WHAT WERE THEIR TARGET STATUS DURING THE TIME THE AIRBORNE RADAR DETECTED TARGETS. 11. WERE ANY OTHER AIRBORNE TARGETS DETECTED DURING THE TIME OF DETECTION OF UNKNOWN TARGETS. 12. WERE THERE ANY OTHER AIRBORNE AIRCRAFT DURING THE TIME OF DETECTION OF UNKNOWN TARGETS AND DID THEY HAVE RADAR EQUIPMENT IN OPERATION. 13. IS THERE ANY OTHER INFORMATION THAT CAN BE ADDED TO THIS REPORT.

IT SHOULD BE REALIZED THAT EVALUATION OF VERY SKETCHY AND OFTEN MISINTERPRETATED RADAR TARGET DATA IS VERY DIFFICULT, AND CAN BEST BE ANALYZED BY PERSONAL INTERROGATION BY AN ANALYST OF THE PERSONNEL OPERATING THE RADAR SET INVOLVED.

END ITEM 5 AMC ~~SECRET~~

INFORMATION

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

UNCLASSIFIED

515-25773