PROJECT 10073 RECORD CARD

1. DATE 26 Jan 51	2. LOCATION (FAR EAST) 36 deg 40' N - 130 deg 50' E	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other Weather ☐ Insufficient Data for Evaluation ☐ Unknown
3. DATE-TIME GROUP Local _____ GMT 26/1405I	4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☒ Air-Intercept Radar	
5. PHOTOS ☐ Yes ☐ No	6. SOURCE Radar Ops	
7. LENGTH OF OBSERVATION 15 min	8. NUMBER OF OBJECTS 1	9. COURSE ~~Radar~~ Varied

10. BRIEF SUMMARY OF SIGHTING
Unidentified object made passes at ship Guadalupe. Speed 3000mph. No visual sighting, Radar only.

11. COMMENTS
Information indicates that the radar targets possibly could have been caused by one of the following: Interference from another radar set, Interference from the detecting radar set itself and weather.

ATIC FORM 329 (REV 26 SEP 52)

UNCLASSIFIED

NAVAL MESSAGE — 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		INFORMATION	COMFAIRJAP	☐ FLASH ☐ EMERGENCY ☐ OPERATIONAL IMMEDIATE ☒ PRIORITY P P ☐ ROUTINE ☐ DEFERRED
DECODED BY: LONG				
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 ser/cmc No.

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

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

READDRESSED 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 OOD...

[redacted]

PARAPHRASE NOT REQUIRED. CONSULT CRYPTO CENTER BEFORE DECLASSIFYING.

UNCLASSIFIED

NAVAL MESSAGE — NAVY DEPARTMENT

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

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

CORRECTED DIST — (date/time group) (GCT) — 9990 nr/cmc No.

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

READDRESSED BY COMFAIRJAP AS 270626Z ACTION COMNAVFE.

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

READDRESSED 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

UNCLASSIFIED [redacted]

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 Ø3(32) 1/29/51/EC

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

AF (IC

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

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"SA7 PILOT CDR SMALE SQUADRON ELECTRONICS OFFICER CRE[redacted] AND REGULAR PLANE RADAR OPERATOR OBSERVED AIRBORN RADAR TARGTS FROM 2614051 TO 2614201 AT LAT 36-40N 130-50E AMKE ONE PASS ON GUADALUPE (AO-32) AND 8 ON OR OVER OUN AIRCRAFT. TARGET SPEED COMPUTED TO BE 3000 MILES PRE HOUR. RADAR ON 30 MILE SCALE WITHL 10 MILE HARDERS. TARGET MOVED FROM A10 MILE MAKER TO 20 MILE MARKER IN 12 SECONDS. RADAR BLIPS ELONGATED TO 3/8 INCH EHEN 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 TARGER CAME INTO RADAR RANGE. RADAR OPERATING SATISGACTORILY AT RANGES BELOW 50 MILES. GUADALUPE ONLY SHIP IN REFUELING FROUP AND NO OTHER RADAR TARGETS UN AREA. NO VISUAL SIGHTINGS. CLOUD COVER 5 TO 6/10 AT 3000TEET."

CABLE DATED 28 JAN 51 READS AS FOLLOWS:

"PLANE CIRCLING GRADALUPE DURING OBSERVATIO (, COSRSES 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 APPROCH TO, OVER AN D 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

[redacted]

SAS-17150-1

[redacted]

[redacted]

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PARAPHASE NOT REQUIRED. SEE CRYPTO-CENTER BEFORE DECLASSIFYING

JM

file 511.16

824484

NR 17 5 FEB 51

C1

JEP B59EE

R JEDCR

DE JEPC18C

cite

FM JEPC/HQ USAF

TO JEDCR/CGAMC WRIGHT-PATTERSON AFB DAYTON OHIO

FEB 5 15:34

1 MCIS - Action
2 MCI - Inf
3
4. MCAG X M21 - Info

[redacted]

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

UNCLASSIFIED

7 FEB 1951

AFOIN-V/TC

SUBJECT: [redacted] Unusual Radar Targets

TO: Commanding General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTENTION: MCIAK2

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:

L. E. [redacted]
Captain, USN
Chief, Evaluation Division
Directorate of Intelligence

14 FEB 51 11 13

file
10073

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[redacted]

UNCLASSIFIED

[redacted]

Report of Unconventional Aircraft ([redacted])

NCIAXE NCIAXA-1a 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 2630

UNCLASSIFIED

[redacted]

10073

ROUTING AND R[illegible]ORD SHEET [illegible] MATERIEL COMMAND

Use this form for inter-office correspondence within headquarters.

Number all comments consecutively.

Use authorized office symbols to designate

Use authorized office symbols to designate addressor and addressee.

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

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

J. E. Libbert, Maj., USA

Separate comments by horizontal lines across page.

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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[illegible] (CONTINUE ON OTHER SIDE)

518-17150-A

TO: WCIAXA-1A
ATTN: Mr. Rogers

FROM: WCIAXA

SECRET

DATE

COMMENT NO. 1 (Cont'd)

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

"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
Major, USAF
Chief, Electronics Section
Technical Analysis Division
Intelligence Department

RLJ/dw
55170
B 263A
P A17

518-17150-A

(DO NOT WRITE BELOW THIS LINE)

SECRET

UNCLASSIFIED

NAVAL MESSAGE — NAVY DEPARTMENT

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

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

(Date/time group) (GCT) — 6190 DCC No.

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

READDRESSED 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 090525I 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 090530I 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..

[redacted] CNO/OOD...

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Paraphrase NOT Required
Consult Cryptocenter before declassifying

JM

79

UNCLASSIFIED

Office Memorandum • UNITED STATES GOVERNMENT

TO : Op-322V

DATE: 20

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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[redacted]

10073

[redacted]
DATE 3-15-11

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

xx: Thru: NCIA NCIAXE 20 MAR 1951 1
To: NCIAXA-1 Mr. James/leg
Attn: Mr. Rodgers 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

[redacted]

515-39359

ITEM 1 AMC [redacted]

UNCLASSIFIED

FROM J J RODGERS MCIAXA-1
TO TCB

TT-110-AM
10 APRIL 51
MCIAXA/RODGERS

INFORMATION CONTAINED IN CSAF ITEM 2, TT-091-AM, 13 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".

INFORMATION

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

513-60048

END ITEM 1 AMC [redacted]

UNCLASSIFIED

ITEM 5 AMC [redacted]/

[redacted]

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

UNCLASSIFIED

REFERENCE RADNOTE RO516202. 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 THID 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 [redacted]

INFORMATION

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

[redacted]

UNCLASSIFIED

515-2573