

PROJECT 10073 RECORD CARD

1. DATE 10 Dec 52	2. LOCATION POPE AFB, S.C.	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input type="checkbox"/> <del>Insufficient Data for Evaluation</del> <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local 10/0800EST GMT 10/1400G	4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input checked="" type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar	
5. PHOTOS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. SOURCE Several AF officers	
7. LENGTH OF OBSERVATION 8 hrs	8. NUMBER OF OBJECTS One	9. COURSE <del>Not Observed</del>
10. BRIEF SUMMARY OF SIGHTING Bright colored, circular object was observed on PPI scope of CFS/5D. Object covered with a slight circular movement. Object did not cancel out when moving target indicator was employed. About 8 transient a/c flew through area during observation.	11. COMMENTS 1. Circular object hanging motionless gives impression of a large balloon. Seen for long period of time. Upper air research balloon would seem a possibility here. <i>For Polar Analysis</i> <i>(Inversion wx)</i>	

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19. ARE PERSONNEL FAMILIAR WITH THE EFFECTS CAUSED BY AN INTERFERING SIGNAL?  YES  NO  
COMMENTS: \_\_\_\_\_

20. ARE PERSONNEL FAMILIAR WITH THE EFFECTS OF ANOMALOUS PROPAGATION (DUCTING EFFECTS) AS THEY PERTAIN TO THIS TYPE OF RADAR?  YES  NO

21. HAS ANOMALOUS PROPAGATION (DUCTING EFFECT) BEEN OBSERVED TO EXTEND THE RANGE OF THE GROUND CLUTTER OF THIS RADAR AT THIS SITE?  YES  NO  
COMMENTS: \_\_\_\_\_

22. WAS ANOMALOUS PROPAGATION (DUCTING EFFECT) EXTENDING THE RANGE OF THE GROUND CLUTTER AT THE TIME THE TARGET WAS OBSERVED?  YES  NO  
COMMENTS: \_\_\_\_\_

23. HOW DID THE TARGET APPEAR IN SIZE AND SHAPE AS COMPARED TO CONVENTIONAL AIRCRAFT TARGETS?  
The same size, contour and shape except it was stationary.

24. PERFORMANCE OF TARGET:

- |                                      |                                     |  |                          |
|--------------------------------------|-------------------------------------|--|--------------------------|
| a. REMAINED CONSISTENT IN SIZE       | <input checked="" type="checkbox"/> | CHANGED SIZE RAPIDLY                                   | <input type="checkbox"/> |
| b. SPEED WAS CONSTANT                | <input type="checkbox"/>            | SPEED WAS VARIABLE                                     | <input type="checkbox"/> |
| c. FOLLOWED CONSISTENT TRACK         | <input type="checkbox"/>            | APPEARED, DISAPPEARED, THEN REAPPEARED IN NEW LOCATION | <input type="checkbox"/> |
| d. FUZZY COMPARED TO AIRCRAFT TARGET | <input type="checkbox"/>            | SHARP COMPARED TO KNOWN AIRCRAFT TARGET                | <input type="checkbox"/> |
| e. SAME AS AIRCRAFT TARGET           | <input checked="" type="checkbox"/> |  |                          |

25. WERE OTHER TARGETS (KNOWN) OBSERVED IN THE SAME GENERAL AREA, AT APPROXIMATELY THE SAME TIME AND AT THE SAME ALTITUDE AS THE UNUSUAL TARGET?  YES  NO

IF SO, DESCRIBE. Aircraft were diverted to the exact area to investigate.

26. WHAT TYPE INDICATORS ("A" SCOPE, "B" SCOPE, ETC.) WERE USED TO FOLLOW THE TARGET?

A scopes, PPI's, J Scopes

DESCRIBE THE SIGNAL: As a circular, well defined blip

27. WHAT WAS THE RADAR SCAN RATE? 4 RPM - Aoc (CPS-5-D) Manual Control (MSQ-1)

28. WHAT WAS THE FREQUENCY OF THE TRANSMITTER?

12 50 Megacycles (An/CPS-5-D) 2730 megacycles (MSQ-1)

29. DID ANY OF THE OBSERVERS HAVE ANY OPINIONS AS TO THE NATURE OF THE TARGET?  YES  NO

IF YES, GIVE THEIR NAMES AND OPINIONS BELOW. Albert F. PERNA, Cpt - the target was a permanent echo that had become displaced in location for one day due to temperature inversions.

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

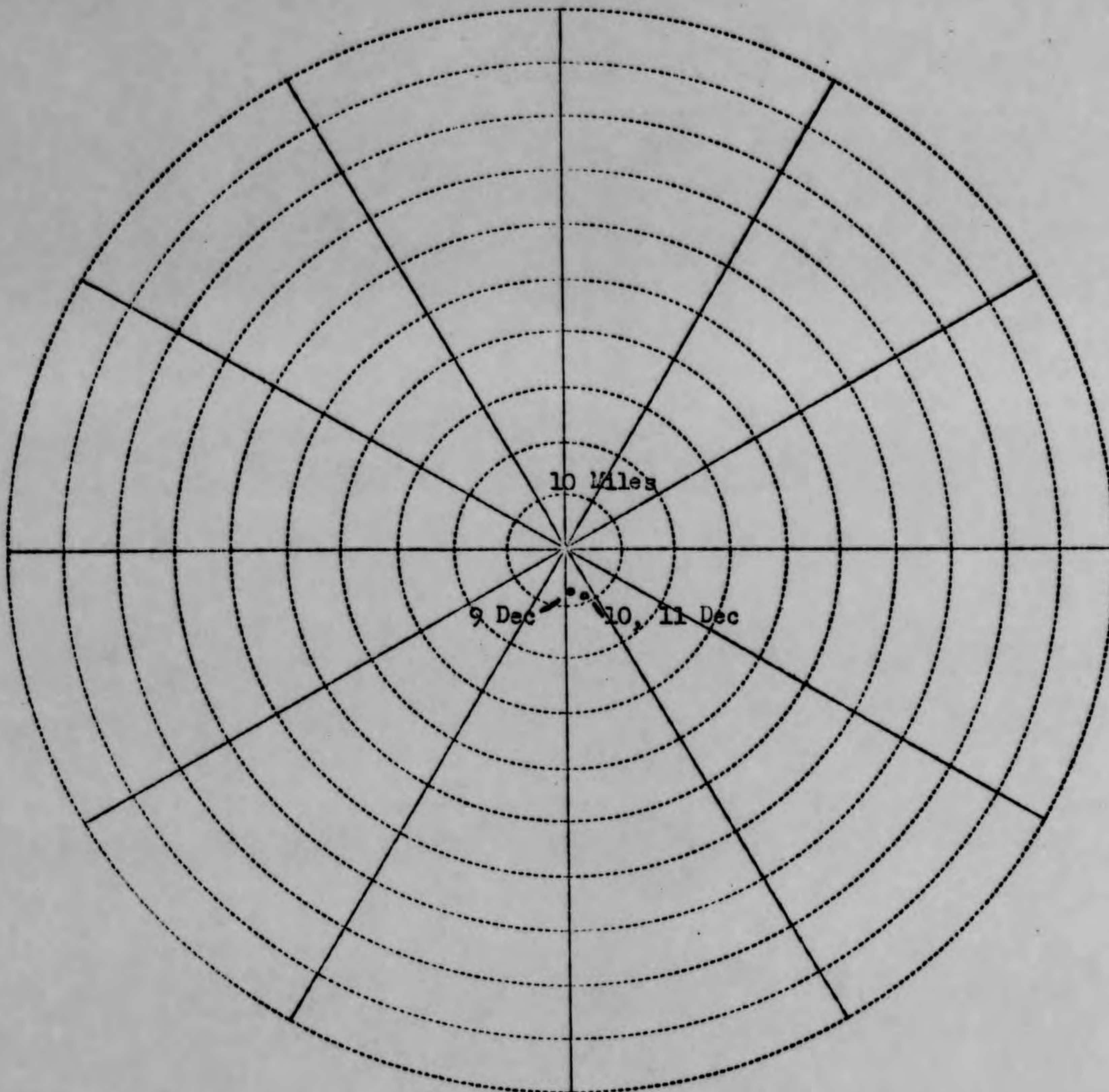
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[REDACTED]

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30. IF SCOPE PHOTOS ARE NOT AVAILABLE, PLOT THE TARGET TRACK AS ACCURATELY AS POSSIBLE. GIVE THE TIME AND ALTITUDE (IF MEASURED) FOR EACH POINT PLOTTED. PUT THE NECESSARY RANGE SCALE ON THE DIAGRAM.



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[REDACTED]

( [REDACTED] )  
[REDACTED]

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31. USE THIS SHEET FOR ANY COMMENTS, OPINIONS OR ADDITIONAL DATA NOT COVERED BY THE QUESTIONS.

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S [REDACTED]  
[REDACTED]

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Pope Air Force Base, South Carolina

10 December 1952

I. Description of Incident

From 1420 to 2215 Z a ground radar station picked up an unidentified object on its scope. It appeared as a stationary object with a slight circular motion which did not cancel out when the moving target indicator was employed. The sighting showed that its altitude was 8,000 feet at 8 1/2 miles from the station. Weather conditions were fair with alto cumulous clouds, no temperature inversions present in the area. Eight transient aircraft flew through the area during the radar observation and an F-51 was directed to investigate. The pilot saw nothing unusual. The radar operators involved have had several years experience.

II. Discussion of Incident

Photographs were taken of the PPI scope but have not been received by ATIC. There is a possibility that local cloud formations may have caused a spurious radar return. Other than this there appears to be no plausible explanation for the incident.

III. Conclusion

Possibly weather phenomena.

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T53-3695

20

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11 DEC 1952 201 23 Z

RA 681  
1. area  
2. area  
3. files

UNCLAS

ATTN  
INFOR  
1952 DEC 10  
21:00

NR

ZPG210  
YDC210  
VY210  
VDB214

JESDF 203

PP JEDEN JEDWP JEPLG JEPHQ

DE JESDF 114

P CPWQETZ

FM CO 567TH TAC CON CP POPE AFB NC

TO JEPHQ/HQ USAF WASH 25 D. C.

JEDWP/CG AMC WRIGHT-PATTERSON AFB OHIO

JEDWP/AIR TECH INTEL CEN WRIGHT-PATTERSON AFB OHIO

JEDEN/CC ADC ENT AFB COLO

JEPLG/CG TAC LANGLEY AFB VA

INFO ZEN/STH AF POPE AFB NC

UNCLAS

/R [REDACTED] / [REDACTED] S-2 567TH TAC CON GP 52-1093  
ATT DIR OF INTEL ATTN ATIAA-2C PD FLYOBRPT CMA IAW PAR 7C AFL 200-5  
CMA DTD 29 APR 52 PD FOLG INFOR FWD CLN 1 PDONE CIRCULAR OBJ ON PPI  
SCOPE OF CPS/5D CLN SIZE ONE EIGHTH INCH ON SCOPE CLN COLOR BRIGHT CLN  
SPEED ALMOST STATIONARY CMA SLIGHT CIRCULAR MOVEMENT CLN UNUSUAL  
FEATURES OBJECT DID NOT CANCEL OUT WHEN MOVING TARGET INDICATOR WAS  
EMPLOYED PD 2 PD 1420Z OBSERVED TO 2215Z PD 3 PD OBSERVED BY CPS/5D  
FROM GND PD 4 PD OBSERVED FROM POPE AFB CMA NC PD LAT 35 DEG 01 MIN  
NORTH CMA LONG 79 DEG 01 MIN WEST CLN OBJ FIRST SIGHTED EIGHT ONE  
HALF MILES AT ONE HUNDRED FIFTY FIVE DEG AT EIGHT THOUSAND FEET PD

8 1/2

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2215  
1420  
0795

0920  
995  
1915

PAGE TWO JESDF 114

5 PD CHIEF DUTY CONTROLLER CAPT ALBERT F PERNA CLN CONTROLLER CAPT  
 DUANE ULSTAD AND OTHERS CLN ALL FULLY QUALIFIED THROUGH SCHOOLING AND  
 DAILY EXPERIENCE PD 6 PD FAIR WEATHER ALTO CUMULUS CLOUDS CLN NO  
 PRECIPITATION CLN WINDS WEST SOUTH WEST THIRTEEN DASH TWENTY SIX KNOTS  
 AT FOUR DASH TEN THOUSAND FEET CLN TEMPERATURE INVERSIONS FOURTEEN  
 DEG CENTIGRADE AT TWO THOUSAND FEET CMA TEN DEG AT FOUR THOUSAND CMA  
 SIX DEG AT SIX THOUSAND CMA FOUR DEG AT EIGHT THOUSAND PD 7 PD TEMP  
 INVERSIONS AS CITED CLN OBSERVATION OF CLOUD AND THREE RADIO TOWERS  
 BY IN FLIGHT FIGHTER FIFTY ONE PILOT PD 8 PD PHOTOGRAPHS TAKEN OF PPI  
 SCOPE PD FLYOBRPT CONTINUED CLN 9 PD THREE IN FLIGHT AIRCRAFT  
 DIVERTED FOR AERIAL INVESTIGATION PD 10 PD APPROX EIGHT TRANSIT  
 AIRCRAFT FLEM THROUGH AREA DURING OBSERVATION PERIOD PD END HEARTZ  
 102358Z DEC JESDF

*Did Al see anything?*

*Temp inversions?*  
 14 deg - 2,000 ft  
 10 " - 4,000 ft  
 6 " - 6,000 ft  
 4 " - 8,000

*A good sighting!*

1. Ask if Al observed the object
3. Send a radar questionnaire
5. Get Al's statement

UNCLASSIFIED 2 19  
 11 DEC 1952 11

~~SECRET~~  
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ATIC, Wright-Patterson AFB, Ohio, Subj: Unidentified Aerial Object

S-2 360.1 (23 Dec 52)

1st Ind.

HEADQUARTERS, 507TH TACTICAL CONTROL GROUP, Pope Air Force Base, Fort Bragg, North Carolina, 5 February 1953

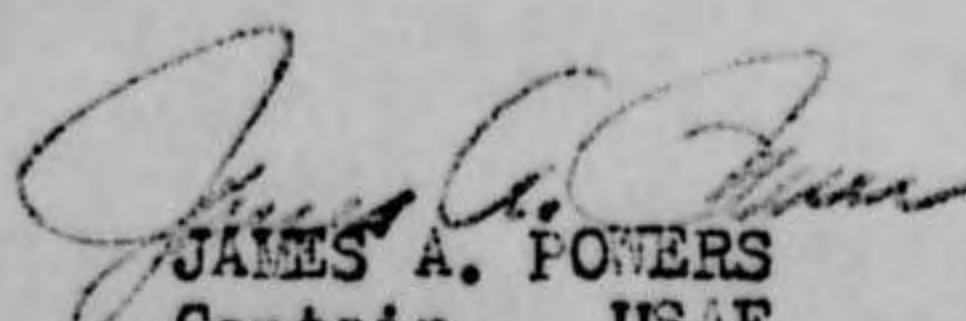
TO: Commanding General, Air Technical Intelligence Center, Wright-Patterson Air Force Base, Ohio

1. In compliance with basic communication attached is Air Intelligence Information Report, same subject, 29 January 1953.

2. The Electronic Data Sheets have been withdrawn for future utilization.

FOR THE COMMANDING OFFICER:

1 Incl w/d  
Added 1 Incl  
1. Air Intell Info Rpt

  
JAMES A. POWERS  
Captain, USAF  
Adjutant

45233

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452  
5:3  
[REDACTED] UNCLASIFIED

AIR TECHNICAL INTELLIGENCE CENTER  
WRIGHT-PATTERSON AIR FORCE BASE  
DAYTON, OHIO

In reply refer to  
AFOIN-ATIAA-5

23 DEC 1952

SUBJECT: Unidentified Aerial Object

TO: Commanding Officer  
Pope Air Force Base  
Fort Bragg, North Carolina

1. In regard to your FLYOBRPT reporting a radar sighting of an unidentified aerial object on 10 December 1952, 1420Z hours, the Air Technical Intelligence Center is forwarding eight Electronics Data Sheets, one of which it is requested be filled out by the radar personnel involved in the sighting. The remaining data sheets can be retained by your office in the event of future unknown electronic detections and be sent on with the standard Air Force Form 112.
2. In particular reference to the subject sighting, it is requested that the following questions be answered and included in the Form 112:
  - a. Did the aircraft sent out to intercept the object observe it at any time?
  - b. Did the object gain or lose altitude during the eight hours of observation?
  - c. What was the exact altitude of the temperature inversion mentioned in the initial report?
  - d. Finally, were azimuth and elevation readings taken from the radar?
3. Your cooperation in forwarding the PPI scope photographs and the AF Form 112 as expeditiously as possible would be appreciated by the Air Technical Intelligence Center since an attempted analysis hinges on their receipt.

FOR THE COMMANDING GENERAL

1 Incl  
Electronics Data Sheets  
(eight)

*Robert E. Kennedy*  
ROBERT E. KENNEDY  
Major, USAF  
Air Adjutant General

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DOD DIR 5200.10

00021  
45 233

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[REDACTED]

(CLASSIFICATION)

COUNTRY United States	REPORT NO.	(LEAVE BLANK)
<b>AIR INTELLIGENCE INFORMATION REPORT</b>		
SUBJECT Unidentified Aerial Object		
AREA REPORTED ON Pope Air Force Base, Ft Bragg, N. C.	FROM (Agency) 728th AC & W Sq, 507th Tac Con Gp Pope Air Force Base, Ft Bragg, N. C.	
DATE OF REPORT 29 January 1953	DATE OF INFORMATION 9 December 1952	EVALUATION F-0
PREPARED BY (Officer) ALBERT F. PERNA, Capt., USAF	SOURCE M/Sgt R. DeGORDIN AND OTHERS	

REFERENCES (Control number, directive, previous report, etc., as applicable)

(1) Air Intelligence Information Report, Subj: "Unidentified Object," 12 Dec 52

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclosures at lower left. Begin text of report on AF Form 112—Part II.)

(2) Air Technical Intelligence Center, Wright-Patterson, AFB Ltr, AFOIN-ATIAA-5, Subj: "Unidentified Aerial Object," 23 Dec 52.

1. Attached is a completed Electronic Data Sheet as requested in paragraph 1 of reference 2 above.

2. The following questions and answers are included in compliance with paragraph 2 of reference 2 above.

a. QUESTION: Did the aircraft sent out to intercept the object observe it at any time?

ANSWER: No

b. QUESTION: Did the object gain or lose altitude during the eight (8) hours of observation?

ANSWER: Yes, 8,700 feet to 6,200 feet, and then to 4,400 feet.

c. QUESTION: What was the exact altitude of the temperature inversion mentioned in the initial report?

ANSWER: 8,000 feet, 6,000 feet, and 1,800 feet.

d. QUESTION: Finally, were azimuth and elevation readings taken from the radar?

ANSWER: Yes, by the MSQ-1 and the AN/MPQ-10.

*Albert F. Perna*

ALBERT F. PERNA  
Captain, USAF

*Joseph R. McNamara*

APPROVED: JOSEPH R. MCNAMARA  
Major, USAF  
Squadron Commander

1 INCL. Electronic Data Sheet

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DISTRIBUTION BY ORIGINATOR  
Air Technical Intelligence Center, Wright-Patterson Air Force Base, Dayton, Ohio

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NOTE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U. S. C.—31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. IT MAY NOT BE REPRODUCED IN WHOLE OR IN PART, BY OTHER THAN UNITED STATES AIR FORCE AGENCIES, EXCEPT BY PERMISSION OF THE DIRECTOR OF INTELLIGENCE, USAF.

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**ELECTRONICS DATA SHEET  
(GROUND RADAR)**

The purpose of this questionnaire is to provide technical data for evaluating the report of an unusual radar target or track. It is requested that it be completed as accurately as possible.

When not filled in, the form is Unclassified. The reporting officer will use his own judgement as to what degree of classification is required.

It is preferred that the answers to the questions be typewritten, however, if it will expedite the completion of the form, the answers may be printed in ink. If additional space is needed, use reverse side of form.

<b>1. STATION OBSERVING TARGET:</b> <u>728th AC&amp;W Sq, 507th Tac Con Gp</u> Organization <u>Pope AFB, Ft. Bragg, N. C.</u> Location	<b>2. DATE OF THIS REPORT:</b> <u>3 Feb Feb 53</u> Day Month Year																								
<b>3. DATE TARGET OBSERVED:</b> <u>9 Dec 52</u> Local Time <input type="checkbox"/> Day Month Year Z Time <input type="checkbox"/> Time-Local <u>0920 Hrs</u> Time-Z <u>1320 Z</u>	<b>4. NAME, RANK AND ORGANIZATION OF REPORTING OFFICER:</b> <u>ALBERT F. PERNA, Captain, USAF</u> <u>728th AC&amp;W Sqdn</u> <u>507th Tac Con Gp</u>																								
<b>5. EXACT LOCATION OF STATION (COORDINATES):</b> <u>3501 N 7901 W</u>																									
<b>6. OBSERVER DATE (LIST EACH OBSERVER):</b> <table border="1"> <thead> <tr> <th>Name</th> <th>Rank</th> <th>Duty</th> <th>No. of Years Exp. in Radar</th> </tr> </thead> <tbody> <tr> <td>A. <u>ROBERT DeGORDIN</u></td> <td><u>M/Sgt</u></td> <td><u>Radar Operator</u></td> <td><u>7</u></td> </tr> <tr> <td>B. <u>ALBERT F. PERNA</u></td> <td><u>Capt</u></td> <td><u>Aircraft Controller</u></td> <td><u>5</u></td> </tr> <tr> <td>C. <u>DUANE ULSTAD</u></td> <td><u>Capt</u></td> <td><u>Aircraft Controller</u></td> <td><u>2</u></td> </tr> <tr> <td>D. <u>RALPH E. COBURN</u></td> <td><u>Capt</u></td> <td><u>Radar Officer</u></td> <td><u>5</u></td> </tr> <tr> <td>E. <u>STEPHEN LESKO</u></td> <td><u>Capt</u></td> <td><u>Radar Officer</u></td> <td><u>7</u></td> </tr> </tbody> </table>		Name	Rank	Duty	No. of Years Exp. in Radar	A. <u>ROBERT DeGORDIN</u>	<u>M/Sgt</u>	<u>Radar Operator</u>	<u>7</u>	B. <u>ALBERT F. PERNA</u>	<u>Capt</u>	<u>Aircraft Controller</u>	<u>5</u>	C. <u>DUANE ULSTAD</u>	<u>Capt</u>	<u>Aircraft Controller</u>	<u>2</u>	D. <u>RALPH E. COBURN</u>	<u>Capt</u>	<u>Radar Officer</u>	<u>5</u>	E. <u>STEPHEN LESKO</u>	<u>Capt</u>	<u>Radar Officer</u>	<u>7</u>
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<b>7. WAS A VISUAL SIGHTING MADE BY ANY PERSONNEL OF THE STATION? <input type="checkbox"/> YES <input type="checkbox"/> NO</b> <b>IF SO, GIVE NAME AND RANK OF ALL PERSONNEL MAKING A VISUAL SIGHTING AND A BRIEF DESCRIPTION OF WHAT THEY SAW:</b>  <p align="center">Sighted only on Radar Scope, not visually</p> <p align="right">DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS. DOD DIB 5200.10</p> <p><i>Incl. to AIRR, 29 Jan 53</i></p>																									

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8. HAVE YOU HEARD OF ANYONE NOT AT THE RADAR STATION MAKING A VISUAL SIGHTING AT APPROXIMATELY THE SAME TIME THE RADAR CONTACT WAS MADE?  YES  NO  
IF SO, GIVE NAME AND ADDRESS.

None

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9. RADAR SCOPE PHOTOS:

IS RADAR EQUIPPED WITH A SCOPE CAMERA? -----  YES  NO  
WAS CAMERA OPERATIONAL? -----  YES  NO  
WERE SCOPE PHOTOS TAKEN? -----  YES  NO  
WERE PRINTS OF THE SCOPE PHOTOS FORWARDED TO THE  
AIR TECHNICAL INTELLIGENCE CENTER? -----  YES  NO

10. TRACK DATA:

WHAT WAS THE NUMBER OF THE TRACK? Stationary Target  
WAS A PERMANENT PLOT MADE OF THE TRACK AT THE TIME OF THE OBSERVATION?  YES  NO

11. WERE AIRCRAFT SCRAMBLED TO INTERCEPT THE TARGET?  YES  NO  
IF SO, WERE THE AIRCRAFT BEING OBSERVED ON THE SCOPE AT THE SAME  
TIME AS THE TARGET?  YES  NO

12. WERE ANY NEARBY RADAR INSTALLATIONS QUERIED WHETHER THEY HAD OBSERVED  
THE SAME TARGET OR TRACK?  YES  NO  
IF SO, WHICH STATIONS? 728th AC&W sq MSQ-1, Radar test station, Fort  
Bragg, N. C.

13. WAS THE TARGET OBSERVED ON SEARCH RADAR?  YES  NO  
IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? AN/CPS-5-D, AN/MPQ-10

14. WAS THE TARGET OBSERVED ON HEIGHT FINDING RADAR?  YES  NO  
IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? MSQ-1, AN/MPQ-10

15. HAVE THERE BEEN ANY RECENT MAINTENANCE DIFFICULTIES?  YES  NO  
IF SO, DESCRIBE. \_\_\_\_\_

16. WHAT TYPE MODULATOR (I.E., SPARK GAP, HART TUBE, ETC.) IS USED IN THE RADAR EQUIPMENT?  
Thyratron (CPS-5-D) - MSQ-1 Thyratron

17. WAS THE AFC (AUTOMATIC FREQUENCY CONTROL) CIRCUIT OPERATING PROPERLY?  YES  NO  
COMMENTS: \_\_\_\_\_

18. HAS INTERFERENCE FROM ANOTHER RADAR SET BEEN OBSERVED RECENTLY?  YES  NO  
COMMENTS: \_\_\_\_\_