

PROJECT 10073 RECORD CARD

1. DATE 22 October 1957		2. LOCATION Wiesbaden AB, Germany		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
3. DATE-TIME GROUP Local _____ GMT 22/1300Z		4. TYPE OF OBSERVATION ☐ Ground-Visual ☒ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military			
7. LENGTH OF OBSERVATION 5-6 minutes		8. NUMBER OF OBJECTS one		9. COURSE not given	
10. BRIEF SUMMARY OF SIGHTING Target picked up on radar shape of normal a/c, size 2' to 3 times larger than any blip seen on radar set. Blip disappeared at same azimuth & range as when first sighted.				11. COMMENTS Probably caused by anomalous propogation.	
12. Other <u>Anamolous Prop</u> ☐ Insufficient Data for Evaluation ☐ Unknown					

22/1300Z

Multi

SUBJECT: Request for Analysis - Electronic UFO Report

TO: AFCIN-4E4

FROM: AFCIN-4E1

DATE: 18 Dec 57 COMMENT NR 2
AFCIN-4E1a/V. D. Bryant/jc
72131/Bldg 263-D/Rm 8

1. This office concurs in the opinion held by DCS/Comm 12th AF that this sighting was anomalous propagation. The type of blip received is the type which would be expected from anomalous propagation, and is not typical of interference from other radars.

1 Incl
n/c

Edwin H. Hoffman
Jon GORDON C. HOFFMAN *capt*
Colonel, USAF
AFCIN-4E1

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(CLASSIFICATION)

(SECURITY INFORMATION when filled in)

COUNTRY OF ORIGIN

Germany

REPORT NO.

IR-1334-57

(Leave blank)

AIR INTELLIGENCE INFORMATION REPORT

AREA REPORT CONCERNS

Germany

AGENCY OF ORIGIN

USAF, ATI Directorate

SOURCE OF INFORMATION

8th AAA (See below)

PREPARED BY

CHARLES F. REICHMUTH, 1st Lt, USAF

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

DATE OF REPORT

28 Oct 1957

DATE OF INFORMATION

24-25 Oct 1957

EVALUATION

A-2

Page 1 of 4 Pages

AFR 200-2

SUBJECT

UFOB

SUMMARY (Enter concise summary of report. Give significance to find concurrence paragraph. List inclusions at lower left. Begin text of report on AF Form 116a.)

1. Part II of this report concerns the report and investigation of an UFOB observed on radar on 22 October 1957 at Wiesbaden Air Base, Germany.
2. The 12th AF Tactical Control System and the 18th Weather Squadron (WATS), Detachment #12, were also checked for appropriate information.
3. This information will be of interest to the Air Technical Intelligence Center, Wright-Patterson Air Force Base, Ohio.

APPROVED:
(ATELO Effort All)

Francis M. Ford
GEORGE R. HUNDT
Colonel, USAF
Dir., Air Tech Intel

0 INCLS.

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AF FORM 112
1 OCT 52
IR-1334-57

REPLACES AF FORM 112, PART 1
1 JUN 48, WHICH MAY BE USED

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1177-58

R-1

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1. Description of Object:

- Shape was that of a normal aircraft target as seen on a PPI scope
- Size was 2 1/2 to 3 times larger than that of any target "blip" seen by observers on the given radar set.
- H/A
- Only one "blip" was observed
- H/A
- "
- "
- "
- The "target" moved 11nm every sweep of the radar beam. The beam makes 8 rpm. Thus, the "target" speed would be 6240nm per hour. The two observers stated that their radar operates such that a normal target appears on the PPI scope about 3 times for every 5 sweeps of the beam. The UFOB "blip" appeared on every sweep of the radar beam.

2. Description of Course of Object:

- "Blip" was first noticed on the PPI scope because of its relatively large size.
- "Blip" first seen at azimuth of 5100 miles (286.5°) at a range of approximately 160 nautical miles. Radar did not have elevation measuring features.
- "Blip" disappeared at same azimuth and range as when first sighted.
- "Blip" remained on a constant azimuth. After appearing at about 160nm it closed to a range of about 45-50nm. It reversed direction without turning around or changing speed and went outbound on same azimuth until disappearing at range of 160nm (at the rim of the PPI scope). After a few seconds the "blip" reappeared and followed the same path as mentioned above. It disappeared a second time, again for a few seconds, reappeared a third time, repeating the path described above a third time, and then disappeared from view.
- See i. above
- Observed for 5-6 minutes.

3. Manner of Observation:

- Ground electronic, AM/TPS1D surveillance radar, operating on L band, 1220 to 1350 Mc. Normal operating range of radar is 150nm, although "blip" was seen as far as 160nm.
- H/A
- "

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AIR INTELLIGENCE INFORMATION REPORT

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4. Time and Date of Sighting:

- First seen at about 1300Z, 22 October 1957.
- Day light conditions.

5. Location of Observers was at Wiesbaden Air Base, Germany.

6. The Observers were:

- Richard L. GUTSHALL, SP3, 9th AAA Bn.
- Wayne L. COATES, SP3, 8th AAA Bn.
- Both observers are considered competent and reliable men.

7. Weather Conditions:

- N/A

b. Weather conditions at time of "sighting" were checked with Major C. O. SEAMAN, Detachment #12, of the 18th Weather Squadron (MATS), Lindsey Air Base, Wiesbaden. He gave the following information from a Bitburg RAOB taken at 1200Z on 22 October 1957:

(1) There was a complete overcast at low altitude. An extensive wet cloud mass was in the Bitburg area.

(2) <u>ELEVATION</u>	<u>TEMPERATURE</u>	<u>DEW POINT</u>
Surface	+ 7°C	+ 3°C
200 mb	+ 1°C	0°C
850 mb	- 1°C	- 4°C
820 mb	- 2°C	- 7°C
800 mb	- 4°C	- 11°C
780 mb	- 5°C	- 19°C

8. Major Seaman stated that weather conditions were such that anomalous propagation of a radar beam could occur. He could not state, however, that this was the actual reason causing the radar blip.

9. Negative

10. Several aircraft were operating in the vicinity of the radar range including normal air traffic at Wiesbaden Air Base and Rhein/Main Airfield.

11. Comments of the Preparing Officer:

a. The two observers stated that considerable radar interference (caused by other radar operating on the same frequencies, or multiples of it) existed. They referred to this interference as "rabbits". However, they stated that they were positive that the UFOB "blip" was that other than "rabbits". Their Commander, Captain KOREMS, an electronics officer, verified this upon hearing their description of the "blip". The "blip" appeared as a small arc, crossing the beam azimuth line at right angles (see Par 15 above).

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b. The Electronics Branch, DCS Comm, 12th Air Force, was also contacted. Captain Ralph E. HOOVER, of that organization, made a check of all radar stations in the area of "sighting" through the Air Control Center, Tactical Control System, 12th Air Force. All stations had a negative report. ECM outfits were also checked by Captain Hoover through Captain Glendinning, Operations, 12th Air Force. In discussing the "sighting" with Captain Hoover, he stated that he was almost positive that the "blip" was caused by anomalous propagation. He stated that this occurs commonly in dry weather at radar stations located near mountainous terrain; however, that it could occur in flat terrain, as in the case in the area of this "sighting".

c. The weather conditions (see Par 7b) were such that a layer of dry air did exist above the overcast at the time of sighting. The weather officer, Major Seaman, stated that 780 mb. would be at an altitude in the vicinity of 7000 feet.

d. It is estimated that the UFOB was electronic phenomena caused by anomalous propagation.

Charles F. Reichmuth

CHARLES F. REICHMUTH
1st Lt, USAF
Aircraft Division

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