

1. DATE - TIME GROUP 11 Feb 53 12/0430Z	2. LOCATION Great Falls AFB, Montana
3. SOURCE Airman	10. CONCLUSION AIRCRAFT
4. NUMBER OF OBJECTS One	No data presented conflicting with a/c evaluation.
5. LENGTH OF OBSERVATION 5 Min.	11. BRIEF SUMMARY AND ANALYSIS Bright white star-like light appeared in the N, turned to E to S to SE and disappeared to SE at high rate of speed.
6. TYPE OF OBSERVATION Ground-Visual	
7. COURSE SE	
8. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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.

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? BARBER said disregard giving it a track No.
 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? _____
Rashbrook and Galahad

13. WAS THE TARGET OBSERVED ON SEARCH RADAR? YES NO

IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? _____
AN/FPS-3

14. WAS THE TARGET OBSERVED ON HEIGHT FINDING RADAR? YES NO

IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? _____

15. HAVE THERE BEEN ANY RECENT MAINTENANCE DIFFICULTIES? YES NO

IF SO, DESCRIBE. _____

16. WHAT TYPE MODULATOR (I.E., SPARK GAP, HARD TUBE, ETC.) IS USED IN THE RADAR EQUIPMENT?

HARD TUBE (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: Caused by the Freq. being so close and they overlap nothing
Running Relatively

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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 (Approximately)

24. PERFORMANCE OF TARGET:

- | | | | |
|--------------------------------------|-------------------------------------|--|--------------------------|
| a. REMAINED CONSISTENT IN SIZE | <input checked="" type="checkbox"/> | CHANGED SIZE RAPIDLY | <input type="checkbox"/> |
| b. SPEED WAS CONSTANT | <input checked="" type="checkbox"/> | SPEED WAS VARIABLE | <input type="checkbox"/> |
| c. FOLLOWED CONSISTENT TRACK | <input checked="" 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. _____

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

Just a PPI Scope

DESCRIBE THE SIGNAL: _____

27. WHAT WAS THE RADAR SCAN RATE? 3.3 RPM

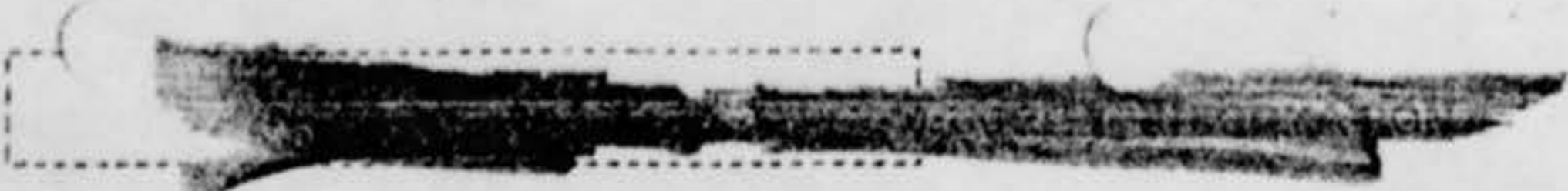
28. WHAT WAS THE FREQUENCY OF THE TRANSMITTER?

1276 mc

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.

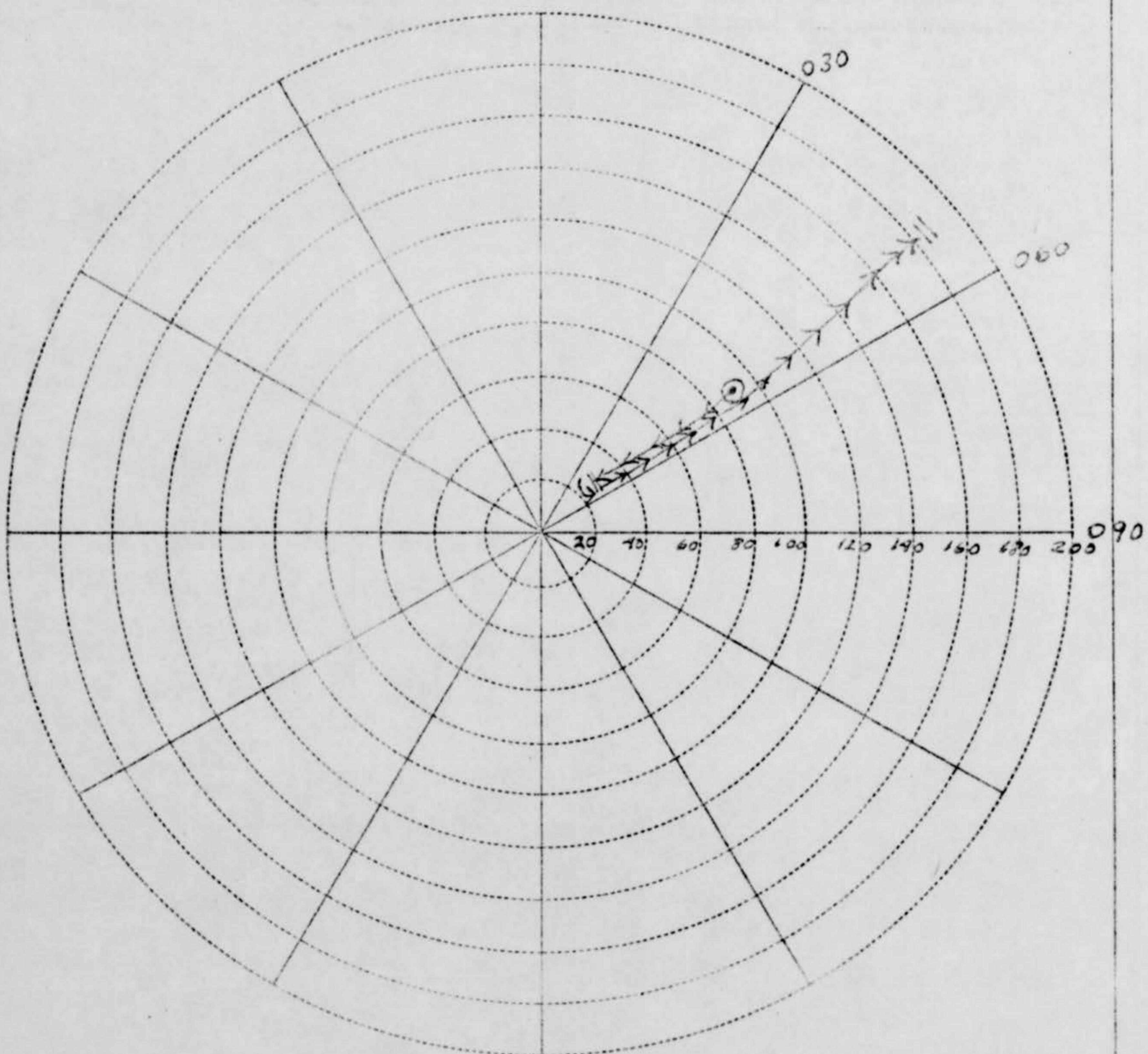
3300 Airman believed that it was a Flying Saucer due to 24. (a,b,c & e)

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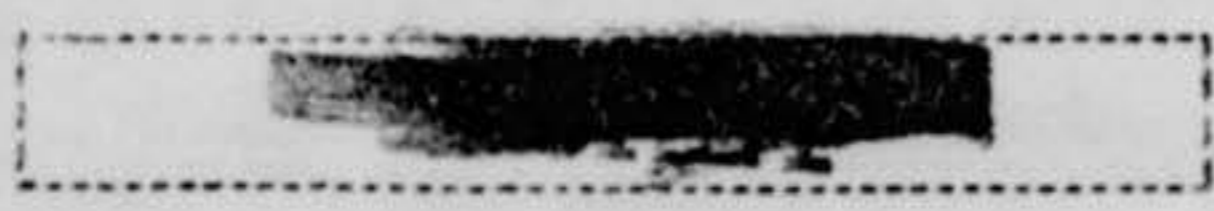


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30. IF SCOPE PHOTOS ARE NOT AVAILABLE, PLOT THE TARGET TRACK AS ACCURATELY AS POSSIBLE. GIVE THE TIME AND ALTITUDE (IF MEASURED) FOR EACH POINT PLOTTED. PUT THE NECESSARY RANGE SCALE ON THE DIAGRAM.



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753-3805

File in hypothesis folder

THE OHIO STATE UNIVERSITY

HOWARD L. BEVIS, President

COLUMBUS 10

EMERSON McMILLIN OBSERVATORY

April 9, 1953

1st Lieutenant Robt. Olsson
Wright-Patterson Air Force Base
Dayton, Ohio

Dear First Lieutenant:

Thank you for your letter and comments. I too think that we are getting someplace. This system of weekly reporting and comments--AND FOLLOW UP---gives continuity. With your aid I should like to make a collection of the truly unknown cases with their follow ups so that a true scientific evaluation can someday be made. Heretofore there has been so much frustration. Without a follow up on critical points the best cases had little scientific value. I want to get to the bottom of the natural phenomena behind all this. if this is possible

We should in time be able to set up some experiments to demonstrate these phenomena, and this will be the real proof of the pudding. This can come only by selecting proper cases and letting the majority of them go by the boards.

I hope that you will continue with this work and that we can have occasional meetings.

Well, here goes on this batch of 16 March. Of the 12 cases in this batch, 4 were without question Venus, and a 5th might have been. Two have insufficient data and 2 ~~xxx~~ referring to the same incident seem to be worth definite follow up.

Just for the record, the Venus cases were March 6 (Leeds Center), 8, 10 and 11. Those of 6 Erie Penn. and 7 March seem most probable to have been some unknown light aircraft.

Now to those that are of some interest, the most important is 5 March, at Shaw AFB. Has the detailed report come yet? I should like very much to see this. I particularly wonder how the object could have speed 200 mph and still have been observed 1 hour. Very important here to establish identicalness of visual and radar sightings. Is the sightings of the same date reported thru Shaw AFB, but seen at Congaree AFB a few hours later refer to the same thing?

With reference to the Great Falls, Mont 27 Feb sighting, I ask: "What previous reports?" And finally,

on 3 March, Luke AFB, was the 30 feet of gun camera film ever developed?

Question: Is it permissible to keep the typed copies of the TXK reports?

ACTION

9

*10th
2 at
3 C files*

1953 FEB 13 FEB 13 02 43 1953

08:42

DISPATCHED

Multiplex

PAT

RD033

WPC036

YDC037

XYB047

XXA007

XMA035

XXB020

CXD038

JWPGU 05

RR JEDWP JEPHQ JEDEN JWPML 444



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12/0430Z

[Signature]

R 122337Z

FM CG 29TH AIRDIVDEF GREAT FALLS AFB MONT
TO JEDWP/AIR TECH INTEL CEN WRIGHT PATTERSON AFB OHIO
JEPHQ/DIR INTEL HQ USAF WASHINGTON D C
JEDEN/CG ADC ENT

FB COLORADO SPRINGS COLO **UNCLASSIFIED**

JWPML/CG WADF HAMILTON AFB CALIF
ATTN: ATIAA-2C

/ [REDACTED] / GFD OI D 1122. FLYO BREPT. ITEM ONE. ONE OBJECT,
BRIGHT WHITE LIGHT LIKE STAR APPEARED IN NORTH TURNED TO EAST TO SOUTH
TO SOUTH EAST AND DISAPPEARING TO SOUTH EAST. APPEARED TO BE TRAVELING
VERY FAST. ITEM TWO. 2432Z 12 FEB. FOR APPROXIMATELY 5 MINUTES. ITEM
THREE. VISUAL WITHOUT AIDS. ITEM FOUR. 29TH AIR DIV (DEF) BLOCKHOUSE
GATE HOUSE. ITEM FIVE. OBSERVER WAS A/3C DONALD MONICO, THIS HEADQUARTERS,
GREAT FALLS AFB, MONTANA. RELIABLE BUT VERY LITTLE TRAINING ON AIRCRAFT
IDENTIFICATION. WITNESS, LT WAYNE M. FONNESBECK, THIS HEADQUARTERS. 710731
RELIABLE, INTERCEPTOR TRAINING. ITEM SIX. 5,000 BRKN 20,000 SCTD VISIBILI
30 MILES TEMPERATURE 29 DEW POINT 25 WIND SOUTH WEST 10 KNOTS. ITEM

PAGE TWO JWPGU 06

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

SEVEN THRU NINE NEGATIVE. ITEM TEN. ONLY AIRCRAFT IN AREA ESTIMATED TO
ARRIVE IN GREAT FALLS AT 2352" (FLIGHT PLAN) AIR FORCE 5499, C 54,
MARCH AFB.

17/2356Z FEB JWPGU

[REDACTED]

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1. DATE - TIME GROUP 27 Feb 53 27/1016Z	2. LOCATION Great Falls AFB, Montana
3. SOURCE Radar Operator	10. CONCLUSION INSUFFICIENT DATA FOR EVALUATION
4. NUMBER OF OBJECTS One	
5. LENGTH OF OBSERVATION 11 Min.	
6. TYPE OF OBSERVATION Ground-Radar	11. BRIEF SUMMARY AND ANALYSIS Object appeared on radar scope of a/c as fading and reappearing for a period of 11 minutes.
7. COURSE	
8. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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

2 MAR 1953

29 FEB 53 00 29z

SECTION

*1. Atia
2. Ati
3. C. files*



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WPE604

U YDA302

CBA301

YMB227

JEDKF 105

OPOP JEDEN JEPHQ JEDWP 333

DE JEDKF 27A

OP 281826Z ZNJ

FM HQ CADF KC MO

TO JEPHQ/DI HQ USAF WASH DC

JEDWP/ATIC WRIGHT PATT AFB DAYTON OHIO

JEDEN/CG ADC ENT AFB COLO SPRG COLO

*(1) ...
(2) ...*

INT 0176 ATTN ATIAA-2C PD FOL MSG REC FR 29TH AD

IS QUOTED FYI SMCLN "FLYOB RPT". THE FOL MSG REC THIS HQ FR 29TH AD AT 2841243Z FEB IS FORWARDED FOR YOUR INFO SMCLN QUOTE. 29TH TAC B-216 A/1C HERSCHER WAS THE RADAR OPER ON DY AT P-26 WHEN SMCLN THE FLYING OBJECT WAS CALLED IN TO BARBER. LT. MORISSETTER BARBER CONTROLLER CHECKED WITH P-25 CMA P-26 CMA P-27 CMA P-28 CMA TO SEE IF THERE MIGHT BE INTERFERENCE BETWEEN TWO OR MORE SITES CMA DUE TO THEM BEING ON THE SAME FREQUENCY. /THIS POSSIBILITY WAS ELIMINATED AS NONE OF THEM WERE USING THE SAME FREQUENCY. / THE WEATHER AT P-25 AT 1830Z WAS 5200 FT SCATTERED CMA 1200 FT SCATTERED CMA VISIBILITY

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PAGE TWO JEDKF 27A

WAS 15 MI PLUS. TEMPERATURE WAS 3 DEG. WIND WAS NNE 8 TO 13 KNOTS.
THE FOLLOWING ARE THE GRID COORDINATES FR BEGINNING TO THE LAST MOVE

GRID	NO OF A/C	ID	ALT.	SPEED	TIME
BD-4848	1	A.F.	30	120	1016Z
AD-3050	1	A.F.	30	120	1021Z
QD-4850	1	A.F.	30	120	1024Z FADE
PD-2830	1	A.F.	30	120	1026Z REAPPEARED
PD-2830	1	A.F.	30	120	1028Z FADE
AD-1052	1	A.F.	30	120	1041Z REAPPEARED
AD-5052	1	A.F.	30	120	1044Z
BD-1147	1	A.F.	30	120	1045Z
BD-3047	1	A.F.	30	120	1045:30Z
BD-4047	1	A.F.	30	120	1045:45Z
CDT-1548	1	A.F.	30	120	1046Z
CD-3048	1	A.F.	30	120	1046:30Z
DD-1042	1	A.F.	30	120	1047Z FADE

28/1830Z FEB JEDKF

Can't read this Grid system - if so triangulation possible



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aj 1

COORDINATION

INSERT
ORGNL CODE AND
FULL SIGNATURE

R. C. Brown
ATIAE-5
5 Mar 53
W. F. Newberry
ATIAE
5 Mar 53
C. P. [unclear]
ATIA-3
6 Mar 53
Capt. [unclear]
ATIA 7 Mar 53



ATIAE-5/RMO/vs

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10 MAR 1953

In reply refer to
AFOIN-ATIAE-5

SUBJECT: (Uncl) Radar Sighting of Unknown Aerial Object

TO: Commanding General
29th Air Division
ATTN: Intelligence Division
Great Falls Air Force Base
Great Falls, Montana

1. Reference the sighting of an unidentified flying object by radar at your station on or about 27 February 1953 witnessed by radar personnel while monitoring local air traffic. In an attempt to uncover a logical explanation for such observations, the Air Technical Intelligence Center has developed a questionnaire for sightings made by ground radar which, when accurately completed by the radar technicians involved, affords ATIC radar specialists with an adequate picture of the circumstances surrounding the contact.

2. ATIC would appreciate, therefore, the completion and forwarding of the inclosed Electronics Data Sheet at your earliest possible convenience so that analysis of the subject sighting can begin.

FOR THE COMMANDING GENERAL

1 Incl
Electronics Data Sheet

ROBERT C. BROWN
Major, USAF
Air Adj. Gen.

V. AC!
MR

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DESIGNATE AUTHD OFFICE OF RECORD

OFFICIAL FILE COPY

2 witnesses

~~TOP SECRET~~

UNCLASSIFIED

HEADQUARTERS 29TH AIR DIVISION (DEFENSE)
Great Falls Air Force Base, Montana

25 MAR 1953

CID 381

SUBJECT: (Uncl) Radar Sighting of Unknown Aerial Object

TO: Chief, Air Technical Intelligence Center
ATTN: ATIAA-2c
Wright Patterson AFB, Ohio

*38/i-0152
OPH EIM, Montana*

sub.

As requested in your letter AFOIM-ATIAE-5, subject as above, dated 10 March 1953, completed Electronics Data Sheet is forwarded.

FOR THE COMMANDING OFFICER:

Mary M. Arbanas

1 Incl:
Electronics Data Sheet

MARY M. ARBANAS
1st Lt, USAF
Asst Adjutant General

~~TOP SECRET~~

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295-573-3

733-3805-A

UNCLASSIFIED
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.

1. STATION OBSERVING TARGET: <u>Gamefish</u> Organization <u>779th AC&W Squadron</u> Location <u>Opheim, Montana</u>	2. DATE OF THIS REPORT: <u>20 March 1953</u> Day Month Year																								
3. DATE TARGET OBSERVED: <u>28</u> <u>Feb.</u> <u>1953</u> Local Time <input type="checkbox"/> Day Month Year Z Time <input checked="" type="checkbox"/> Time-Local _____ Time-Z <u>1015</u>	4. NAME, RANK AND ORGANIZATION OF REPORTING OFFICER: _____ _____ _____																								
5. EXACT LOCATION OF STATION (COORDINATES): <u>48° 52' N 106° 31' W (PD-2755)</u>																									
6. OBSERVER DATA (LIST EACH OBSERVER): <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 45%;">Name</th><th style="width: 15%;">Rank</th><th style="width: 20%;">Duty</th><th style="width: 20%;">No. of Years Exp. in Radar</th></tr></thead><tbody><tr><td>A. <u>HERSHER, EARL W.</u></td><td><u>A/1C</u></td><td><u>27350</u></td><td><u>2 1/2</u></td></tr><tr><td>B. <u>Weeks, James F.</u></td><td><u>S/Sgt</u></td><td><u>27350</u></td><td><u>4</u></td></tr><tr><td>C. _____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>D. _____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>E. _____</td><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table>		Name	Rank	Duty	No. of Years Exp. in Radar	A. <u>HERSHER, EARL W.</u>	<u>A/1C</u>	<u>27350</u>	<u>2 1/2</u>	B. <u>Weeks, James F.</u>	<u>S/Sgt</u>	<u>27350</u>	<u>4</u>	C. _____	_____	_____	_____	D. _____	_____	_____	_____	E. _____	_____	_____	_____
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B. <u>Weeks, James F.</u>	<u>S/Sgt</u>	<u>27350</u>	<u>4</u>																						
C. _____	_____	_____	_____																						
D. _____	_____	_____	_____																						
E. _____	_____	_____	_____																						
7. WAS A VISUAL SIGHTING MADE BY ANY PERSONNEL OF THE STATION? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, GIVE NAME AND RANK OF ALL PERSONNEL MAKING A VISUAL SIGHTING AND A BRIEF DESCRIPTION OF WHAT THEY SAW:																									

779-53-114

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295-573-3

753-3805