

1. DATE - TIME GROUP Feb 53 1229Z	2. LOCATION Finland, Minn.
3. SOURCE Radar	10. CONCLUSION RADAR INTERFERENCE
4. NUMBER OF OBJECTS One	ATIC electronics specialists view this is caused by interference from another radar station.
5. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS Object appeared on radar scope at a heading of 155° at 140 miles. Object appeared on scope as being twice the size of one a/c.
6. TYPE OF OBSERVATION Ground-Radar	
7. COURSE	
8. PHOTOS ☐ Yes ☒ No	
9. PHYSICAL EVIDENCE ☐ Yes ☒ No	

Multiple

756TH AIRCRAFT CONTROL AND WARNING SQUADRON
Finland, Minnesota

AUTH: CO 756th AC&W Sq

DATE: 12 Feb 53

INITIALS: *AWW*

319.1

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12 February 1953

SUBJECT: Radar Observation Data Sheet

TO: Air Technical Intelligence Center
Wright Patterson Air Force Base
Ohio

Under the provisions of ADCR 200-5, 20 October 1952, the
inclosed Radar Observation Data Sheet is submitted.

1 Incl
ADC Form 123

Albert Wood, Capt USAF
BRUCE H KIRKPATRICK
for Captain, USAF
Commanding

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I. QUESTIONS REGARDING DETECTING RADAR EQUIPMENT

1. What type radar equipment is involved?

CPS - 3

2. Has there been any recent maintenance difficulties? If so, describe.

No

3. What type modulator (i.e., spark gap, hard tube, etc.) is used in the radar equipment?

THYRATRONE

4. Was the AFC (automatic frequency control) circuit of the receiver operating properly?

YES

5. Has interference from another radar set been observed recently, and are personnel familiar with the effects caused by an interfering signal?

NO

6. What type indicators, "A scope", "Bscope", etc., were used to follow the target?

P.P.I.

7. What was the radar scan rate?

5

8. What was the approximate frequency of the transmitter?

1278 MC

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II. GENERAL QUESTIONS

1. What were the general weather conditions at the time unidentified target was observed?

GOOD

2. What weather data from nearby U.S. weather stations is available on temperature vs altitude, humidity vs altitude, and wind velocity vs altitude?

DLH - CLR 15 VISIBILITY -2 TEM. DEW POINT 6 WINDS WEST NORTH WEST 8

3. Was the target observed by any other nearby radar equipments? If so, give details.

NO (NOT TO OUR KNOWLEDGE)

4. Are the operator and the supervisor familiar with the effects of anomalous (duct-effect) propagation as they pertain to this type radar?

YES

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5. Was there any ground clutter by this weather at this site, and was it observed or near the time that unknown target was observed?

NO

6. Was there any rain, clouds, and lightning observed at this time?

RAIN SHOWING CLOUDS NO EFFECTS ON LIGHTING.

7. Was there any other activity observed in the area simultaneously with scope observation? If so, give detailed description.

NO

8. Was any interception attempted? If so, give details.

NO

9. Was a visual and/or auditory observation made simultaneously with scope observation? If so, give detailed description.

NO

III. PERSONNEL INVOLVED

1. Did any technical personnel observe the unknown target on the radar scope? Were they questioned thoroughly? What was their opinion? YES, LT. KENFIELD, S/SGT. DUFFY AND OPERATOR A/2c CLINE. ~~OPINION~~ OPINION UNKNOWN OR A FLYING SAUCER.

2. Was a permanent record "track" made of the target positions as they appeared on the indicator? If so, attach to this report. (Plot on back of page 1.)

NO

3. At what range, azimuth, altitude, and time was the target observed?

155 DEGREES AT 140 MILES ALTITUDE UNK. ESTIMATED 15 ANGELS - TIME 1229Z

4. How did the target appear in size and shape as compared with conventional aircraft?

THE BLIP OF TWO(2) AIRCRAFT

5. Was the target of consistent size, shape, and color?

CONSISTENT SIZE

CONSISTENT

6. Did the target appear to be a conventional aircraft? If so, what type?

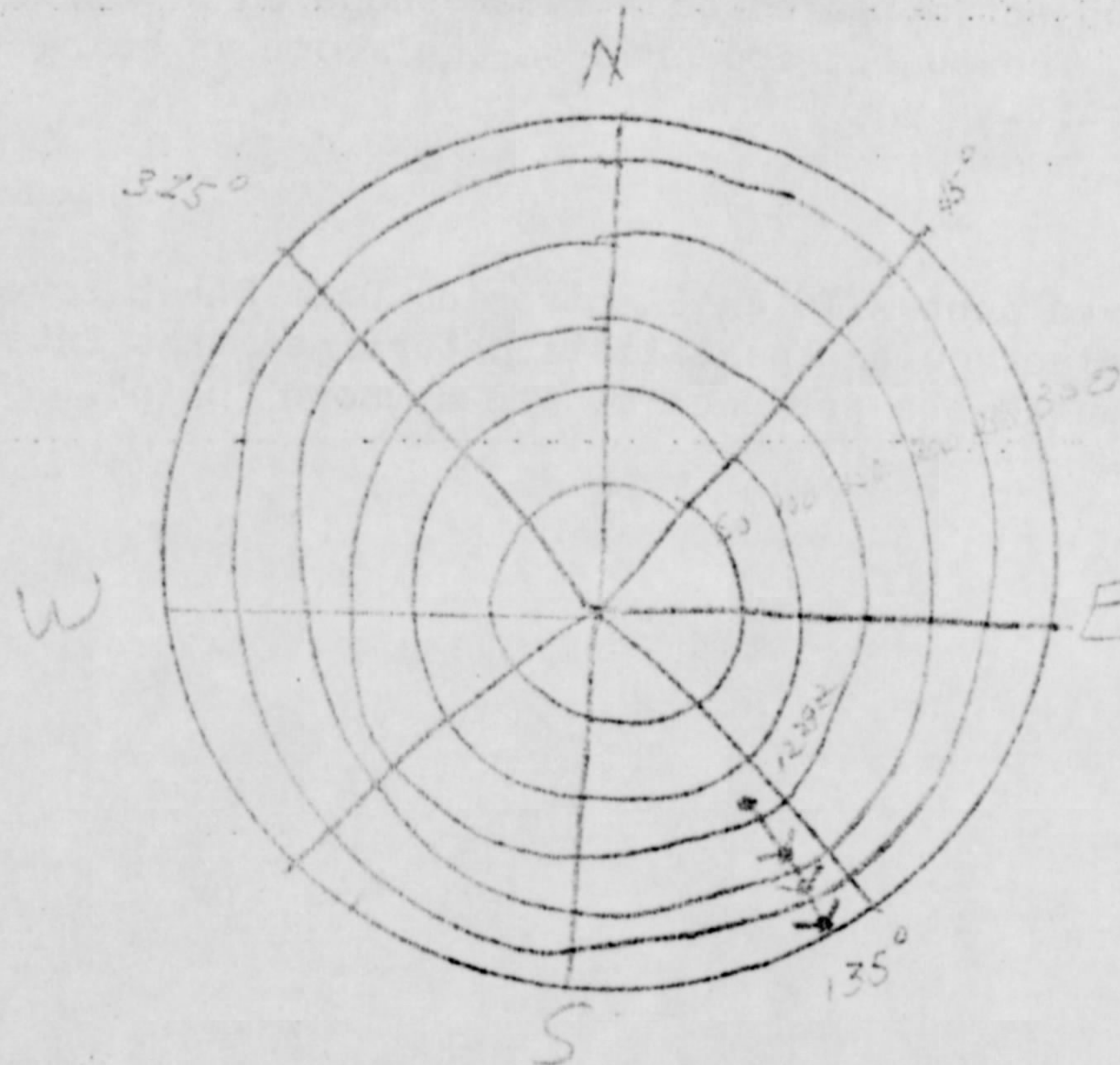
CLEAR & SHARP

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8. What other (aircraft) targets were observed in the same general area, altitude, and time as that of the unknown target? [REDACTED] NONE [REDACTED]



1229Z of INITIAL
1229Z PLUS 48 SECONDS

RANGE - 140 MILES

AZIMUTH 155 DEGREES

CONTROLLER - 1ST LT. KENTFIELD

INSTRUCTIONS: PLOT TRACK OF TARGET, INDICATE RANGE AND AZIMUTH. GIVE TIME AT START AND END OF TRACK.

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Finland, Minnesota

February 1953

I. Description of Incident

At 0629 CST an unknown object appeared on a radar scope on a heading of 155° at the 140⁰ mile range. The object appeared on the scope as being twice the size of an ordinary aircraft.

II. Discussion of Incident

The radar station involved sent ATIC an Electronics Data Sheet covering the sighting and from this, electronics specialists determined that interference from another radar station caused the presence of the unknown "blip". No visual observation was made at any time.

III. Conclusion

Interference.

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