PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION	12. CONCLUSIONS
22 Oct 1951	North Truro, Mass	☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon
3. DATE-TIME GROUP Local _____ GMT 22/0230Z - 0232Z	**4. TYPE OF OBSERVATION** ☐ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft
5. PHOTOS ☐ Yes ☒ No	**6. SOURCE** Radar Operators	☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical
7. LENGTH OF OBSERVATION 2 minutes	**8. NUMBER OF OBJECTS** 1	**9. COURSE** W then S
		☒ Other INSUFFICIENT DATA ☐ Insufficient Data for Evaluation ☐ Unknown

10. BRIEF SUMMARY OF SIGHTING

Radar, Report. See Case file.
EVALUATION. . INSUFFICIENT DATA.
This sighting occurred about 8 hours later than the other sighting (same report number) with all conditions similiar except for time, duration of tracking, and direction of the track. The temperature and altitude information are the same, indicating no temperature inversion. It would be unlikely that two meteor trails would be observed the same day, and 4 minutes seems too long for this type of target. There isn't sufficient data regarding the track direction. range, changes,etc., to enable a meaningful evaluation to be made.

11. COMMENTS

ATIC FORM 329 (REV 26 SEP 52)

The weather information does not support temperature-inverted anomalous propagation. There probably are other discrepancies in the upper atmosphere which could also cause anomalous propagation.

The possibility that meteors entered the atmosphere and were detected cannot be disregarded, and may be the answer to this report. A meteor would cause ionization of the air which should increase the target detectability. Short duration of the condition supports this theory, rather than anomolous propagation.

[redacted]

7-3718-37

IR-47-51E

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17 Feb 1964

[redacted]

TDEED

UNCLASSIFIED

HEADQUARTERS
32d Air Division (Defense)
Stewart Air Force Base
Newburgh, New York

CLASSIFIED SECRET
BY AUTH: CO 32D
AIR DIVISION (DEF)
DATE: 31-10-31
INITIAL:

CoC 319.1

NOV 1 1951

SUBJECT: Information on Unconventional Aircraft

TO: Commanding General
Air Material Command
ATTN: MCIS
Wright-Patterson Air Force Base
Dayton, Ohio

1. In compliance with ADC Letter 200-1, dated 11 April 1951, Subject: Reporting of Information on Unconventional Aircraft, the following report is submitted:

a. Manner of observation: Radar pickup on Plan Position Indicator of CPS-6B radar at North Truro, Massachusetts.

b. Time and place of sighting: 1230Z to 1232Z, 22 October 1951, from 68°15'W - 43°05'N to 70°05'W - 42°40'N.

c. Location of observer (CPS-6B radar): 70°03'W - 42°02'N.

d. Length of time object was observed: Two (2) minutes.

e. Number of objects: One; course: West, then South; altitude unknown; speed: 2400 Knots.

f. Weather conditions at time of sighting: Clouds - 1400', scattered; visibility - 15 miles; temperature - 42°.

g. Radar frequency: 2992 and 3014 Megacycles.

h. Probable identity of target: Unknown.

i. No interception or identification action was taken.

j. The individual echo returns and the appearance of the track substantiated the probability of these radar pickups actually being of a flying object rather than some kind of radar interference or malfunction. The individual returns were of the characteristic sausage shape in which the dimension in range is smaller than the dimension in azimuth. The amplitude of the return varied from pickup to pickup and was never appreciably strong, both of which are characteristic of any aircraft radar return. When the tracks turned toward

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575-13-98-31

5661

CoC 319.1
Subject: Information on Unconventional Aircraft (Cont'd)

the station the strength of the individual echo returns decreased sharply, a phenomenon common to all highly streamlined aircraft. This track faded at a distance of 30 miles north of the station. Whether it faded because it plunged into the water or whether it faded because of flying at an extremely high altitude is unknown.

FOR THE COMMANDING OFFICER:

B. J. ROBERTS
Captain, USAF
Asst. Air Adj. Gen.

INFO:
1 cy - CG, ADC

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5-15-10-9831

(UNCLASSIFIED (

C-1 SECRET ROUTINE
FM EADF STEWART AFB NY
TO CG AMC WPAFB OHIO

1-ATIAA
ATIA
3-ATI

[redacted]

ORIGINAL REF NR: ...
-GRUDGE. REF YOUR MSG
A. AVAILABLE WEATHER MATERIAL BEING FORWARDED UNDER SEPARATE COVER ADDRESSED ATTN: ATIAA-GRUDGE. B. NO OTHER EQUIPMENT OBSERVED PHENOMEN ON C. NEGATIVE. WEATHER INFORMATION DOT INDICATED EXISTING SUBSIDENCE CONDITION MAY HAVE RESULTED IN ANOMALOUS PROPAGATION.

[redacted] 575-17077

NOVEMBER

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DOD DIR 5200.10

UNCLASSIFIED OK DTG REMARKED

ROUTING

JOINT MESSAGEFORM

COMMUNICATIONS CENTER NO

UNCLASSIFIED

SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY

FROM: (Originator)

CO, ATIC

DATE-TIME GROUP: [illegible] Nov 51

SECURITY CLASSIFICATION: [redacted]

PRECEDENCE FOR: ACTION: Routine

TO: Hq, 32nd Air Division (Defense)
Stewart AFB, Newburgh, N. Y.
BADNOTE

☐ BOOK MESSAGE ☒ ORIGINAL MESSAGE

☒ MULTIPLE ADDRESS

CRYPTOPRECAUTION ☐ YES ☒ NO

REFERS TO MESSAGE

IDENTIFICATION

CLASSIFICATION

INFO: D/I, Hq USAF, Washington 25, D. C.

Reference your report on radar sightings at North Truro, Mass., on 22 Oct 51, Subject: "Information on Unconventional Aircraft", dated 31 Oct 1951. Please advise on following:

a. Is there any weather data available from nearby U.S. weather stations, which include temperature vs altitude, humidity vs altitude, wind velocity vs altitude?

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

c. Was anomalous propagation been observed to extend the range of ground clutter by this radar at this site, and did this condition exist during or near the time that unknown target was observed?

In reply cite ATIAA-Bridge.

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DOD DIR 5200.10

ATIAA-2c File

10073

UNCLASSIFIED

[illegible]

SECURITY CLASSIFICATION: [redacted]

PAGE 1 OF 1 PAGES

DRAFTER'S NAME (and signature, when required): Lt Henry Matschner/vs

FORWARDING OFFICER'S SIGNATURE

SYMBOL: ATIAA-2

TELEPHONE: [illegible]

OFFICIAL TITLE

DD FORM 1 OCT 49 173 REPLACES NME FORM 173, 1 MAY 48 WHICH MAY BE USED.

16—[illegible] ☆ U. S. GOVERNMENT PRINTING OFFICE

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N. Y.

INT 350.09

19 NOV 1951

SUBJECT: Information on Unconventional Aircraft

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

ATTN: ATIAA-CRUDGS

In accordance with message, your headquarters, AT-9117, dated 8 November 1951, and message, this headquarters, transmitted 15 November 1951, below-listed inclosures are submitted.

FOR THE COMMANDING GENERAL:

[redacted]
CAPTAIN, USAF

9 Incls
1. Upper Air Data
2. Winds Aloft
3. Synoptic Situation
4. Eastern US RAOBS
5. Constant Pressure Chart 700 MB
6. Constant Pressure Chart 500 MB
7. Constant Pressure Chart 850 MB
8. Adiabatic Diagram
9. USAF Weather Plotting Chart

UPPER AIR DATA

26 Oct 0300Z

	(5000 ft)	Temp.	Wind Direction
Stewart, N.Y.	850 MB	+ 7°C	340/41
Portland, Me.	850 MB	+ 6°C	320/20
Otis, Mass.	850 MB	+ 8°C	310/37

	(10000)	Temp.	Wind Direction
Stewart, N.Y.	700 MB	+ 2°C	310/40
Portland, Me.	700 MB	+ 1°C	320/35
Otis, Mass.	700 MB	apprx + 3°C	300/44

	(18000 ft)	Temp.	Wind Direction
Stewart, N.Y.	500 MB	-14°C	300/37
Portland, Me.	500 MB	-14°C	310/54
Otis, Mass.	500 MB	apprx -14°C	300/55

25 Oct 0300Z

Synoptic Situation

1031 High Pressure Cell Centered Over Northern Virginia at 2603302

Moving NE. Entire Area Under Influence of High Cell.

Encl 3

EXTRACT FROM STATUS REPORT #__1__

DATE: 22 Oct 51

TIME (Local): 1120

LOCATION: N. Truro, Mass.

LENGTH OF TIME OBSERVED: 4 Min.

SOUND: None

SPEED: 2070 mph

ALTITUDE: Unknown

HEADING: 135°

SOURCE: Radar operator

ACTION OR COMMENTS: Indications of radar phenomena due to weather.

DESCRIPTION OF INCIDENT: Radar return - unidentified object.