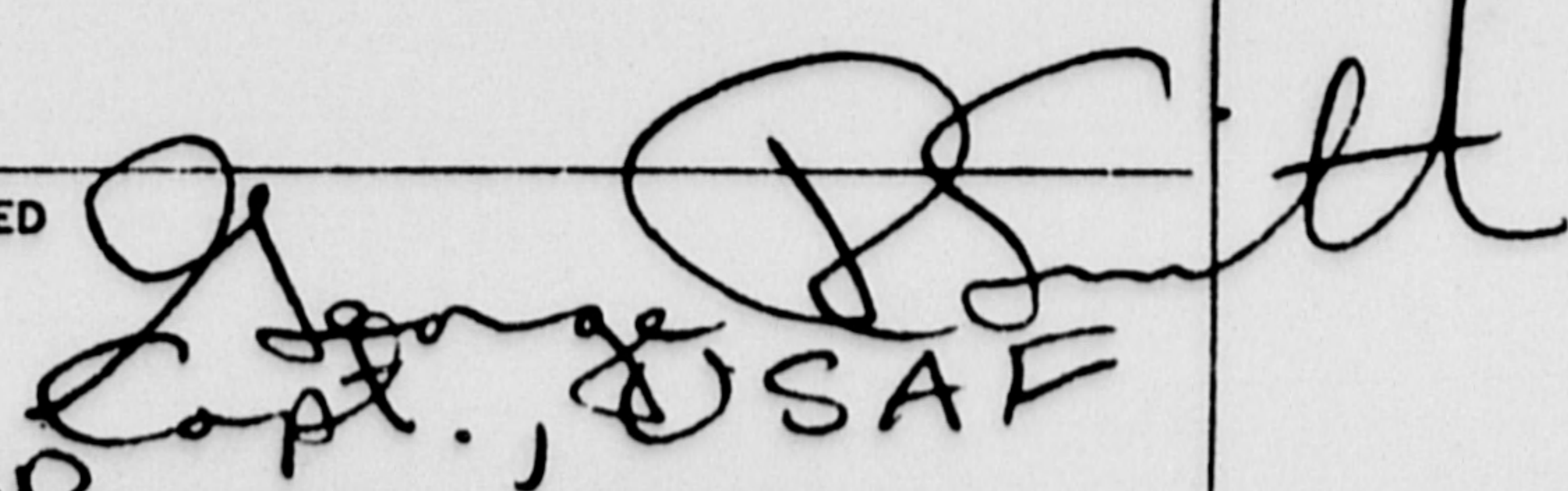


PROJECT 10073 RECORD

1. DATE - TIME GROUP 19 June 1949 19/1700Z	2. LOCATION Oak Ridge, Tennessee	380
3. SOURCE Civilian	10. CONCLUSION BALLOON	
4. NUMBER OF OBJECTS Three		
5. LENGTH OF OBSERVATION 12 - 15 Minutes	11. BRIEF SUMMARY AND ANALYSIS Appeared as a rectangular object. Bright metal on top, dark underneath. Flat circular object, color of frosted glass. Rectangular objects moved in wave-like fashion. Circular objects level flight.	
6. TYPE OF OBSERVATION Ground-Visual		
7. COURSE SE to NW		
8. PHOTOS ☐ Yes ☒ No		
9. PHYSICAL EVIDENCE ☐ Yes ☒ No		

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UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS REPORT OF INVESTIGATION		FILE NO. 24-36	DATE 23 June 1949
TITLE PROJECT GRUDGE INCIDENT OAKRIDGE, TENNESSEE 19 June 1949		REPORT MADE BY ARTHUR J. DALE	
		REPORT MADE AT DO #8, Maxwell AFB	
		PERIOD 20 June 1949	
		OFFICE OF ORIGIN DO #5, Wright-Patterson AFB	
STATUS RUC			
CHARACTER SPECIAL INQUIRY			
REFERENCE None. This is an initial report.			
SYNOPSIS Three unidentified objects were sighted flying over Oakridge, Tennessee, at approximately 1200 hours, 19 June 1949, at an estimated 1000 ft. altitude. These objects were flying from southeast to northwest, and at an estimated speed of 10 to 12 miles per hour.			
DOWNGRADED DECLASSIFIED DOD DIR 5200.10 INTERVALS: 2 YEARS.			
DISTRIBUTION CG, AMC (MCIAXS) Hq OSI AMC Engineering Field Officer, Oakridge File DO #5	ACTION COPY FORWARDED TO APPROVED  PATRICK W. HAYES Lt. Colonel, USAF District Commander.	FILE STAMP UNCLASSIFIED	

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DETAILS:

1. Investigation requested by Colonel C. D. GASSER, AMC Engineering Field Officer, Oakridge, Tennessee, on 20 June 1949.

AT KNOXVILLE, TENNESSEE

2. At 1640 hours, 20 June 1949, the Federal Bureau of Investigation, Knoxville, Tennessee, reported to the Knoxville Detachment, 8th District OSI IG, Knoxville, Tennessee, that residents of Oakridge, Tennessee, had reported sighting unidentified objects flying over Oakridge, Tennessee.

AT OAKRIDGE, TENNESSEE

3. At 1900 hours, 20 June 1949, Mr. and Mrs. [REDACTED] [REDACTED] Oakridge, Tennessee, stated that at approximately 1200 hours, 19 June 1949, they sighted three unidentified objects flying from the southeast, over Oakridge, Tennessee. Mrs. [REDACTED] first sighted the objects and called Mr. [REDACTED] attention to them. They watched the objects until they came into closer view. They described two of the objects as being rectangular in shape, and identical. The third object was described as circular in shape, and flying either in between or slightly above the two rectangular objects. The two rectangular objects appeared to be flat and flexible. The third object was flat but did not have a flexible appearance. The rectangular objects in traveling, followed a wave-like course, and appeared to be dark in color underneath, and of bright metal finish on top. Their movements were coordinated, and their reflection in traveling was light and dark. The rectangular objects seemed to have an area of from four to ten square feet. The circular object was described as being the color of frosted glass. This third object did not follow the wave-like movement of the rectangular objects, but maintained a level flight. There was no noise to indicate how these objects were being propelled. They remained in view from 10 to 15 minutes after being sighted, and when last seen were traveling in a northwest direction. During this time the objects did not appear to either gain or lose altitude. The weather was clear with the exception of high scattered cumulus clouds, and the wind which was from an easterly direction was very slight.

4. At 2000 hours, 20 June 1949, Mrs. [REDACTED] Oakridge, Tennessee, stated that Mrs. [REDACTED] neighbor, called her attention to the three flying objects sighted by the [REDACTED] at approximately 1200 hours, 19 June 1949, and that she watched them for approximately 10 minutes. Mrs. [REDACTED] description and details regarding the objects were the same as Mr. and Mrs. [REDACTED].

5. The witnesses of these objects are reputable people, and their statements are considered reliable. Mr. [REDACTED] is a biologist with the Oakridge National Laboratories, Mrs. [REDACTED] a school teacher, and Mrs. [REDACTED] the wife of one of the members of the Security Division, A.E.C., Oakridge, Tennessee.

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AT MUNICIPAL AIRPORT, KNOXVILLE, TENNESSEE

6. At 0900 hours, 21 June 1949, Mr. RUSSELL J. YOUNKIN, Assistant Official in charge of the Weather Bureau, Municipal Airport, Knoxville, Tennessee, stated that their records indicated that a balloon was released by them at 1005 hours, 19 June 1949. This balloon was followed with a theolite to an altitude of 4530 meters, and was last sighted 23 minutes after release at an altitude of 6500 meters, SSW (196) of the station. This balloon did not carry any attachments. The following is the wind recording for 19 June 1949:

Surface	50 degrees	3 Meters Per Sec
2000	80 degrees	3 Meters Per Sec
MSL		
4000	240 degrees	4 Meters Per Sec
6000	260 degrees	5 Meters Per Sec
8000	260 degrees	11 Meters Per Sec
10000	240 degrees	12 Meters Per Sec
12000	190 degrees	11 Meters Per Sec
14000	200 degrees	12 Meters Per Sec
16000	200 degrees	19 Meters Per Sec
18000	190 degrees	24 Meters Per Sec
20000	170 degrees	20 Meters Per Sec

The wind at Oakridge, Tennessee, was from an easterly direction, and the velocity up to 2000 ft. was from 4 to 7 miles per hour.

AT OAKRIDGE, TENNESSEE

7. It was verified through the Security Division, A.E.C., that X-10 weather division at Oakridge, Tennessee, did not release any balloons or other weather instruments on 19 June 1949.

REFERRED UPON COMPLETION

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
Washington

5D-CSI/JEM/fmm

The Inspector General, USAF
5th District Office of Special Investigations
Wright-Patterson Air Force Base, Dayton, Ohio

In Reply Refer to: 5D 24-21

30 June 1949

SUBJECT: PROJECT, Incident at Oakridge, Tennessee
SPECIAL INQUIRY

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

1. Inclosed for your information and any action deemed necessary is report of investigation by Special Agent ARTHUR J. DALE, District Office No. 8, dated 23 June 1949.

2. Investigation was not requested through this District Office.

1 Incl
R/I dtd 23 Jun 49 (dup)

/s/ John E. Morrill, WO Jg, USAF
for THOMAS F. DOYLE, JR
Captain, USAF
Acting District Commander

5D 24-21 (30 June 49)

1st Ind

MCIAXS/GIT/amo

Hq AMC, Wright-Patterson Air Force Base, Dayton, Ohio

THRU: The Inspector General, USAF, 5th District Office of Special Investigations, WPAFB, Dayton, Ohio

TO: The Inspector General, USAF, 5th District Office of Special Investigations, Maxwell AFB, Alabama

1. A distinct similarity exists between the objects reported and that of a meteorological or research balloon with its associated equipment. It is, therefore, desired that other weather and research agencies in this area be contacted for possible releases of this nature.

2. Other sources list Knoxville Municipal Airport Weather Bureau wind readings at 1000 feet as 3 meters per second at 80 degrees, and

1

DOWNGRADED AT 8 YEAR INTERVALS;
DECLASSIFIED AT 12 YEARS.
DOD DIR 5200.10
UNCLASSIFIED

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Base Ltr fr 5th Dist OSI, WPAFB, to CC AFM, WPAFB, dtd 30 June 1949,
subj: Project Grudge, Incident at Oakridge, Tennessee, Special Inquiry

at 2000 feet 6 meters per second at 120 degrees. A discrepancy of
40 degrees exists between these readings and those submitted by your
office. Confirmation of your wind readings is desired.

FOR THE COMMANDING GENERAL:

Incl: w/d

W. R. CLINGERMAN
Colonel, USAF
Acting Chief, Intelligence Department

UNCLASSIFIED

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1. Date of Observation 19 June 49 Date of Interview 22 June 49
- 2.. Exact Time (local) 1200
3. Place of Observation Oak Ridge, Tennessee
4. Position of observer Ground
5. What attracted attention to object.
6. Number of objects 3
7. Apparent size Rectangular appeared to have area of 4-10 square feet
8. Color of object Rectangular object appeared. Bright metal on top, dark underneath. Flat circular object, color of frosted glass.
9. Shape 2 Rectangular, flat circular.
10. Altitude 1000 feet
11. Direction from observer South East
12. Distance from observer
13. Direction of flight of object(s) Southeast-Northwest
14. Time in sight 12-15 minutes
15. Speed 10-15 MPH
16. Sound and odor None
17. Trail None
18. Luminosity apparently reflected
19. Projections
20. Maneuvers Rectangular objects moved in wave-like fashion. Circular object, level flight.
21. Manner of disappearance Last seen in Northwesternly direction.
22. Effect on Clouds
23. Additional Information Concerning Object-
24. Weather Conditions. Clear, high cumulus clouds, slight easterly wind.

(over)

Name and address of observer:

Mr. & Mrs. [REDACTED] 102 [REDACTED] Oak
Ridge, Tenn.

Occupation and hobbies:

Mr. [REDACTED] St., Oak Ridge, Tenn.

Biologist
School Teacher

Comments of Interrogator relative to intelligence and character of observer(s):

Considered reliable

NARRATIVE SUMMARY:

AT OAKRIDGE, TENNESSEE: At 1900 hours, 20 June 1949, Mr. and Mrs. [REDACTED] Oakridge, Tennessee, stated that at approximately 1200 hours, 19 June 1949, they sighted three unidentified objects flying from the southeast, over Oakridge, Tennessee. Mrs. [REDACTED] first sighted the objects and called Mr. [REDACTED] attention to them. They watched the objects until they came into closer view. They described two of the objects as being rectangular in shape, and identical. The third object was described as circular in shape, and flying either in between or slightly above the two rectangular objects. The two rectangular objects appeared to be flat and flexible. The third object was flat but did not have a flexible appearance. The rectangular objects in traveling, followed a wave-like course, and appeared to be dark in color underneath, and of bright metal finish on top. Their movements were coordinated, and their reflection in traveling was light and dark. The rectangular objects seemed to have an area of from four to ten square feet. The circular object was described as being the color of frosted glass. This third object did not follow the wave-like movement of the rectangular objects, but maintained a level flight. There was no noise to indicate how these objects were being propelled. They remained in view from 10 to 15 minutes after being sighted, and when last seen were traveling in a northwest direction. During this time the objects did not appear to either gain or lose altitude. The weather was clear with the exception of high scattered cumulus clouds, and the wind which was from an easterly direction was very slight.

At 2000 hours, on 20 June 1949, Mrs. [REDACTED] Oakridge, Tennessee, stated that Mrs. [REDACTED], her neighbor, called her attention to the three flying objects sighted by the [REDACTED] at approximately 1200 hours, 19 June 1949, and that she watched them for approximately 10 minutes. Mrs. [REDACTED] description and details regarding the objects were the same as Mr. and Mrs. [REDACTED].

~~CONFIDENTIAL~~
HEADQUARTERS THIRD ARMY
FORT MCPHERSON, GEORGIA

AJACI-2 360.33

UNCL

1 JUL 1949

SUBJECT: Unconventional Aircraft

TO: Commandin General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
Attention: MCI (Control No. A-1917)

Inclosed herewith is "Summary of Information" dated 27 June 1949.
FOR THE COMMANDING GENERAL:

Wm T. Meade

JOHN MEADE
Colonel, GSC
AC of S, G-2

1 Incl:
S of I, dtd 27 Jun 49

DOWNGRADED AT 6 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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UNCLASSIFIED

JUL 6

Incl 380

UNCLASSIFIED

SUMMARY OF INFORMATION

DATE

27 June 1949

PREPARING OFFICE

CIC FAO #8, P.O. BOX 379, Knoxville, Tennessee

SUBJECT

Flying Saucers at Oak Ridge, Tenn.

CODE FOR USE IN INDIVIDUAL PARAGRAPH EVALUATION

OF SOURCE:

COMPLETELY RELIABLE A
 USUALLY RELIABLE B
 FAIRLY RELIABLE C
 NOT USUALLY RELIABLE D
 UNRELIABLE E
 RELIABILITY UNKNOWN F

OF INFORMATION:

CONFIRMED BY OTHER SOURCES . . . 1
 PROBABLY TRUE 2
 POSSIBLY TRUE 3
 DOUBTFULLY TRUE 4
 IMPROBABLE 5
 TRUTH CANNOT BE JUDGED 6

SUMMARY OF INFORMATION

On 22 June 1949, Officials of the OSI, Knoxville, Tennessee, informed this Agent that on Sunday, 19 June 1949, at 1200 hours, a "flying saucer" was sighted at Oak Ridge, Tennessee. The "flying saucer", consisting of three objects, was sighted at approximately 1000 ft. altitude proceeding from the southeast in a north-westerly direction by Mr. and Mrs. [REDACTED], Biologist at Oak Ridge, 102 Vance Road, Oak Ridge, Tennessee, from their yard. After watching the "flying saucer" for about five minutes, Mrs. Anderson, a School Teacher at Oak Ridge, notified Mrs. [REDACTED], wife of a member of the Security Division, AEC, [REDACTED] St., Oak Ridge, whose backyard is adjacent to that of Mrs. [REDACTED]. Together these three people observed the "flying saucer" for about twelve to fifteen minutes until it disappeared. It was described as consisting of two identical rectangular-shaped objects which appeared to be coordinated in movement and which moved in a wave-like motion. The third object was circular in shape and appeared to be in level flight between and above the two rectangular objects. The rectangular objects appeared to be bright metal on top but dark underneath, while the color of the circular object was the same as that of frosted glass. The "flying saucer", when last sighted, was in level flight and was flying in a northwesterly direction. The weather was clear with high cumulus clouds. The "flying saucer" flew at a speed of from 10 to 15 mph over an area just about the center of Oak Ridge. The Weather Section of Plant X-10 reported that they did not release any weather balloons or any other meteorological instruments on that day. The Weather Bureau at Knoxville Airport reported having released a weather balloon at 1005 but no meteorological equipment. Their balloon was followed by sighting instruments until it had reached an altitude of 4530 meters and was last sighted at 6300 meters moving in a south-southwesterly direction at 196 degrees, after having been released twenty-three minutes. Weather charts at Knoxville Airport showed the wind at Oak Ridge to be at a speed of 4 to 7 mph up to an altitude of 2000 ft. in an easterly direction. The surface winds at Knoxville Airport were at a speed of 3 meters per second at fifty degrees; at 1000 ft., 3 meters per second at 80 degrees; at 2000 ft, 6 meters per second at 120 degrees.

)(B-2)

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CO, Tenn. Mil-Dis, Knox Mil-Sub Dis - 1 cy

File - 1 cy

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON

5D-OSI/JEM/fmm

THE INSPECTOR GENERAL, USAF
5TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO: 5D 24-21

30 June 1949

SUBJECT: PROJECT GRUDGE, Incident at Oakridge, Tennessee
SPECIAL INQUIRY

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

UNITED STATES AIR FORCE THE INSPECTOR GENERAL	
OFFICE OF SPECIAL INVESTIGATIONS 5TH DISTRICT	
ROUTE TO	FILE

1. Inclosed for your information and any action deemed necessary is report of investigation by Special Agent ARTHUR J. DALE, District Office No. 8, dated 23 June 1949.

2. Investigation was not requested through this District Office.

1 Incl
R/I dtd 23 Jun 49 (dup)

John F. Doyle, Jr.
THOMAS F. DOYLE, JR
Captain, USAF
Acting District Commander

5D 24-21 (30 June 49)

1st Ind

MCIAXS/CWT/amc

Hq AMC, Wright-Patterson Air Force Base, Dayton, Ohio

JUL 11 1949

THRU: The Inspector General, USAF, 5th District Office of Special Investigations, WPAFB, Dayton, Ohio

TO: The Inspector General, USAF, 8th District Office of Special Investigations, Maxwell AFB, Alabama

1. A distinct similarity exists between the objects reported and that of a meteorological or research balloon with its associated equipment. It is, therefore, desired that other weather and research agencies in this area be contacted for possible releases of this nature.

2. Other sources list Knoxville Municipal Airport Weather Bureau wind readings at 1000 feet as 3 meters per second at 80 degrees, and

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Esc Ltr fr 5th Dist OSI, WPAFB, to 8th Dist, WPAFB, dtd 30 June 1949,
subj: Project Grudge, Incident at Oakridge, Tennessee, Special Inquiry

at 2000 feet 6 meters per second at 120 degrees. A discrepancy of
10 degrees exists between these readings and those submitted by your
office. Confirmation of your wind readings is desired.

FOR THE COMMANDING GENERAL:

Incl: w/d

W. R. Clinger

W. R. CLINGER

Colonel, USAF

Acting Chief, Intelligence Department

5D 24-21-21

2nd Ind

5D-OSI/JEM/fmn

5th OSI District (IG), Wright-Patterson AFB, Dayton, Ohio, 13 July 1949

TO: District Commander, 8th OSI District (IG), Maxwell Air Force Base,
Maxwell Field, Alabama

Attention is invited to preceding indorsement.

for Jerome M. Braun
WOSC, USAF
JEROME M. BRAUN
Acting District Commander

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~~CONFIDENTIAL~~

B/L fr 5th District OSI, Wright-Patterson AFB, to CG AMC, Wright-Patterson AFB, dated 30 June 1949, Subj: Project Grudge, Incident at Oakridge, Tennessee, Special Inquiry

SRCH	_____
INDEX	_____
SERIAL	_____
CLSFY	_____
FILE	_____

24-36

3rd Ind

UNCLASSIFIED

Headquarters, 8th OSI District IG, Maxwell AFB, Alabama 31 August 1949

THRU: District Commander, 5th OSI District IG, Wright-Patterson AFB, Ohio

TO: Commanding General, Air Materiel Command, Wright-Patterson AFB, Ohio

1. Reference paragraph 2, first indorsement, wind readings of the Knoxville Municipal Airport Weather Bureau have been re-checked, and readings as shown in report submitted are confirmed. Knoxville Municipal Airport is 1000 ft altitude. Wind readings are computed at Mean Sea Level. It is believed that this has not been taken into consideration; otherwise, the readings would have been the same.

2. A check of the records of the U. S. Department of Commerce Weather Bureau, Chattanooga, Tennessee, for 19 June 1949, revealed reports as follows:

Chattanooga, Tennessee: (Balloon)

0300 hours	3000 mtrs	110 degrees	4 knots
0900 hours	no run		
1500 hours	5000 mtrs	80 degrees	16 knots
2100 hours	2000 mtrs	70 degrees	8 knots

Spartanburg, South Carolina: (Balloon)

0300 hours	4000 mtrs	80 degrees	4 knots
0900 hours	7000 mtrs	90 degrees	10 knots
1500 hours	8000 mtrs	100 degrees	19 knots
2200 hours	7000 mtrs	90 degrees	7 knots

Greensboro, North Carolina: (Radiosonde)

0300 hours	14000 mtrs	110 degrees	7 knots
0900 hours	9000 mtrs	100 degrees	18 knots
1500 hours	14000 mtrs	80 degrees	10 knots
2100 hours	4000 mtrs	90 degrees	3 knots

Raleigh, North Carolina: (Balloon)

0300 hours	8000 mtrs	100 degrees	12 knots
0900 hours	4000 mtrs	130 degrees	2 knots
1500 hours	8000 mtrs	80 degrees	4 knots
2100 hours	8000 mtrs	110 degrees	9 knots

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3

24	21	
UNITED STATES AIR FORCE THE INSPECTOR GENERAL		
2 SEP 1949		
OFFICE OF SPECIAL INVESTIGATIONS 5TH DISTRICT		
ROUTE TO		FILE