

62- HQ-83894

SECTION 6

SERIALS 246-301



#62-HQ-83894-6#

Declassification authority derived
from FBI Automatic Declassification
Guide, issued May 24, 2007.

Department of Justice

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FBI

BUREAU

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INVESTIGATION

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JAN 19 1979 BY 2467

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APR 13 1977 BY 2467

SECTION 6
SERIALS 246-301

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HQ - HEADQUARTERS

Class / Case #	Sub	Vol.	Serial #
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4-584 (12-22-55)

Office Memorandum • UNITED STATES GOVERNMENT

TO : D. M. Ladd

FROM : A. H. Belmont

SUBJECT: SUMMARY OF AERIAL
PHENOMENA IN NEW MEXICO
MISCELLANEOUS - INFORMATION CONCERNING

DATE: August 23, 1950

Tolson _____
Ladd _____
Clegg _____
Glavin _____
Nichols _____
Rosen _____
Tracy _____
Harbo _____
Belmont _____
Mohr _____
Tele. Room _____
Nease _____
Gandy _____

PURPOSE

To advise that: (1) OSI has expressed concern in connection with the continued appearance of unexplained phenomena described as green fireballs, discs and meteors in the vicinity of sensitive installations in New Mexico. (2) Dr. LaPaz, Meteor Expert of the University of New Mexico, reported that the phenomena does not appear to be of meteoric origin. (3) OSI has contracted with Land-Air Inc., Alamogordo, New Mexico, to make scientific study of the unexplained phenomena.

NATURE OF PHENOMENA

Observations of aerial phenomena occurring within the vicinity of sensitive installations have been recorded by the Air Force since December, 1948. The phenomena have been classified into 3 general types which are identified as follows:

1. Green fireballs, objects moving at high speed in shapes resembling half moons, circles and discs emitting green light.
2. Discs, round flat shaped objects or phenomena moving at fast velocity and emitting a brilliant white light or reflected light.
3. Meteors, aerial phenomena resembling meteoric material moving at high velocity and varying in color.

The above phenomena have been reported to vary in color from brilliant white to amber, red and green.

Since 1948, approximately 150 observations of aerial phenomena referred to above have been recorded in the vicinity of installations in New Mexico. A number of observations have been reported by different reliable individuals at approximately the same time.

KWD/mp

RECORDED - 2

INDEXED - 2

52 SEP 18 1950

62-83894-246
SEP 18 1950

SEP 5 11 02 AM '50

REC'D BELMONT

F.B.I.

DEPT. OF JUSTICE

SEP 5 9 32 AM '50

U.S. DEPT. OF JUSTICE

F B I

RECEIVED-LADD

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U.S. DEPT. OF JUSTICE

F B I

U.S. DEPT. OF JUSTICE - DIRECTOR

SEP 6 9 27 AM '50

SEP 6 10 46 AM '50

SEP 6 12 42 PM '50

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RECEIVED-TOLSON

F B I

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REC'D BELMONT

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RESULTS OF AN INQUIRY BY PROFESSOR LINCOLN LA PAZ

Dr. LaPaz, Director, Institute of Meteoritics, University of New Mexico, submitted an analysis of the various observations on May 23, 1950. He concluded, as a result of his investigation, that approximately half of the phenomena recorded were of meteoric origin. The other phenomena commonly referred to as green fireballs or discs he believed to be U.S. guided missiles being tested in the neighborhood of the installations. Dr. LaPaz pointed out that if he were wrong in interpreting the phenomena as originating with U.S. guided missiles that a systematic investigation of the observations should be made immediately. Dr. LaPaz pointed out that missiles moving with the velocities of the order of those found for the green fireballs and discs could travel from the Ural region of the USSR to New Mexico in less than 15 minutes. He suggested that the observations might be of guided missiles launched from bases in the Urals.

On the basis of the investigations made by Dr. LaPaz and the Air Force, it was concluded that the occurrence of the unexplained phenomena in the vicinity of sensitive installations was a cause for concern. The Air Force entered into a contract with Land-Air, Incorporated, Alamogordo, New Mexico, for the purpose of making scientific studies of the green fireballs and discs. It was pointed out in the summary furnished by OSI on July 19, 1950, that the unexplained green fireballs and discs are still observed in the vicinity of sensitive military and Government installations.

RESULTS OF AIR FORCE INVESTIGATION

The Air Force together with Land-Air, Incorporated, have established a number of observation posts in the vicinity of Vaughn, New Mexico, for the purpose of photographing and determining the speed, height and nature of the unusual phenomena referred to as green fireballs and discs. On May 24, 1950, personnel of Land-Air, Incorporated, sighted 8 to 10 objects of aerial phenomena. A 24-hour day watch is being maintained and has been designated "Project Twinkle."

CONCLUSIONS

The Albuquerque Office, in a letter dated August 10, 1950, advised that there have been no new developments in connection with the efforts to ascertain the identity of the strange aerial phenomena referred to as green fireballs and discs. The Albuquerque Office advised that Dr. Anthony O. Mirarchi, Project Engineer, had been informed of the Bureau's jurisdiction relative to espionage and sabotage and arrangements have been made so that the Bureau will be promptly advised in the event additional information relative to this project indicates any jurisdiction on the part of the Bureau.

ACTION

| None. The above is for your information.

Handwritten signatures and initials:
JRM
JH
JH

September 8, 1950

To: Director of Special Investigations
The Inspector General
Department of the Air Force
The Pentagon
Washington, D. C.

From: John Edgar Hoover - Director, Federal Bureau of Investigation

Subject: FLYING SAUCERS

CONFIDENTIAL
Declassified
2008
8/31/77
APM

There is attached hereto for your consideration and attention a copy of a self-explanatory letter dated August 29, 1950, received by this Bureau from Mr. Walter D. Jones, of 36 King Street East, Toronto, Ontario, Canada.

For your information, the letter from Mr. Jones has been acknowledged by this Bureau, and he has been informed his communication has been referred to your Department.

GP
Attachment.

APPROPRIATE AGENCIES
AND FIELD OFFICES
ADVISED BY ROUTING
SLIP(S) OF 2040

DATE 9/11/50

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APPROPRIATE AGENCIES
AND FIELD OFFICES
ADVISED BY ROUTING
SLIP(S) OF _____
DATE 9/1/52

RECORDED - 2

RECEIVED-MAIL ROOM
FBI
SEP 0 3 12 PM '52

MAILED 11
SEP 11 1952
COMM. DIV.

Tolson
Ladd
Clegg
Glavin
Nichols
Rosen
Tracy
Harbo
Mohr
Tele. Room
Nease
Gandy

Office Memorandum • UNITED STATES GOVERNMENT

TO : MR. A. H. BELMONT

DATE: September 27, 1950

FROM : MR. L. L. LAUGHEIN

SUBJECT: FLYING SAUCERS

4-1

Tolson	_____
Ladd	_____
Clegg	_____
Glavin	_____
Nichols	_____
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Tracy	_____
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Belmont	_____
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Tele. Room	_____
Nease	_____
Gandy	_____

G.I.R.-J

SAC Cornelius of Philadelphia called at 10:45 A.M. today and stated that yesterday evening while two officers of the Philadelphia Police Department were cruising in their scout car they saw through the windshield an object descending slowly to the earth which appeared at first glance to be a parachute.

When the officers first noticed the object, it was at tree-top level and was described as being six feet in diameter. It landed in a field near-by and the officers, upon examining it, noted that it gave out a purplish glow which was almost a mist. The officers summoned two other police officers. After looking at the object for some time they attempted to pick it up. The object broke, leaving a slight odorless residue. Over a period of about 25 minutes which the officers spent watching the object it completely disintegrated. The officers further commented that the object was so light that when it hit the field, it did not even bend the weeds or the grass it fell on.

Mr. Cornelius said that he has called the local office of the Air Force but the individual with whom he spoke there said he knew nothing about them and was not aware that his office was looking into reports of this type.

Mr. Cornelius desired to know what further action should be taken by him.

I told Mr. Cornelius that he was correct in referring this matter to the local office of OSI and that he should direct a letter to the Bureau incorporating all available information concerning the matter and that we here, upon its receipt, in turn would bring it to the attention of OSI Headquarters.

LLL:mer

may copy
advised
9.29.50
L.L.

RECORDED - 84

EX-29

62-83894-469
OCT 4 1950

14

51 OCT 10 1950

Office Memorandum • UNITED STATES GOVERNMENT

DATE: September 27, 1950

TO: Mr. A. H. BELMONT

FROM: Mr. L. E. BARNETT

SUBJECT: TATIN Case No.

The Committee of Philadelphia called at 10:15 A.M. today and stated that yesterday evening while two officers of the Philadelphia Police Department were cruising in their patrol car they saw through the windshield an object descending slowly to the earth which appeared at first glance to be a parachute.

When the officers first noticed the object, it was at three-foot level and was described as being six feet in diameter. It landed in a field nearby and the officers, upon examining it, noted that it gave out a whistling noise which was almost a mist. The officers summoned two other police officers. After looking at the object for some time they attempted to pick it up. The object broke, leaving a slight oblong residue. The object of about 25 minutes which the officers went back to the object it completely disappeared. The officers further noted that the object was so light that when it hit the field it did not even bend the weeds or the grass it fell on.

Mr. Cornelius said that he was called by one of the Air Force but the individual with whom he was talking knew nothing about them and was not aware that his office was looking into reports of this type.

Mr. Cornelius desired to know what further action should be taken by him.

I told Mr. Cornelius that he was correct in referring this matter to the local office of FBI and that he should direct a letter to the Bureau requesting all available information concerning the matter and that we here, upon its receipt, in turn would bring to the attention of the Headquarters.

CORRELATION - LIAISON

F. B. I.

U. S. DEPT. OF JUSTICE

OCT 6 4 43 PM '50

RECEIVED-LADD
F B I
U. S. DEPT. OF JUSTICE
SEP 27 5 13 PM '50

U. S. DEPT. OF JUSTICE
F. B. I.
CORRELATION - LIAISON
SEP 28 9 08 AM '50



~~CONFIDENTIAL~~

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

DECLASSIFIED

Authority:

NND 90986

Handwritten: Baumgardner, Messberg, ERM
13 SEP 1950

Hon. J. Edgar Hoover
Director, Federal Bureau of Investigation
Department of Justice
Washington 25, D. C.

Handwritten: Flying Discs

Dear Mr. Hoover:

The inclosed letter, subject: "Reporting of Information on Unconventional Aircraft," is forwarded for your information and any cooperation you may be able to extend.

As indicated in the letter it is desired to place this subject in its proper perspective as part of the normal USAF requirement for information of air technical intelligence interest.

Respectfully yours,

Handwritten: C. P. Cabell

1 Incl:
a/s

C. P. CABELL
Major General, USAF
Director of Intelligence

Handwritten: 108, SAC Letter #38, Series 1949, dated 3/25/49, ERM

RECORDED - 108

Handwritten: 62-83294-249

Handwritten: 9-25-50, 4/5

"This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18 U.S.C., Sections 793 and 794. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law."

498
25 OCT 23 1950

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFOIC-CC-1

8 September 1950

SUBJECT: Reporting of Information on Unconventional Aircraft

TO: Commanding Generals, Major Air Commands, ZI and Overseas
All United States Air Attaches

1. The United States Air Force has a continuing requirement for the reporting and technical analysis of observations of unconventional aircraft which might indicate an advance in technological progress of a foreign power. An unconventional aircraft, within the meaning of this directive, is defined as any aircraft or air-borne object which by performance, aerodynamic characteristics, or unusual features, does not conform to any presently known aircraft type.

2. It is desired that information on unconventional aircraft be reported in the following manner:

a. A separate report of each incident will be forwarded. No information other than that bearing on the unconventional aircraft will be included in this report.

b. Priority of transmission accorded the report will be that appropriate in the judgment of the forwarding agency, according to its apparent authenticity and importance as intelligence.

c. Reports will be forwarded to Commanding General, Air Materiel Command, Attention: MCIS.

d. Reports forwarded by electrical transmission will include, as far as possible:

(1) A brief description of the object(s); its shape, size, color, number, formation if more than one, aerodynamic features, trail or exhaust, propulsion system, speed, sound, maneuvers, manner of disappearance, and other pertinent or unusual features.

(2) Time sighted in 24-hour clock zonal time, and length of time observed.

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ENCLOSURE

62-83894-249

Inc. 1

~~CONFIDENTIAL~~

- (3) Manner of observation; visual or electronic, from air (give speed, altitude, and type of aircraft), or surface. Any type of optical or electronic equipment used should be described.
- (4) Location of observer during sighting, giving exact latitude and longitude as closely as feasible, and/or reference to a known landmark. Location of object(s) with respect to observer, giving distance, direction, and altitude.
- (5) Identifying information on observer(s) and witnesses, estimate of reliability and experience, and any factors bearing on estimated reliability of the sighting.
- (6) Weather and wind conditions (teletype sequences) at time and place of sightings.
- (7) Any activity or condition, meteorological or otherwise, which might account for the sighting.
- (8) Existence of any physical evidence; fragments, photographs and the like, of the sighting.
- (9) Interception or identification action taken. (Such action should be taken whenever feasible, complying with existing air defense directives.)

e. Reports forwarded by electrical transmission will be followed up within ten (10) days by a written report on AF Form 112. This report will contain the same information specified in subparagraph 2d above in greater detail, and where feasible will include sketches and signed attested narrative statements of observers.

f. Written reports of sightings, where no previous electrically transmitted report has been submitted, will follow the same form as the written follow-up report described in subparagraph 2e above.

g. Any physical evidence of the sighting will be forwarded by most expeditious means to Commanding General, Air Materiel Command, Attn: MCIS, under cover of a letter identifying the shipment with the report of sighting. Mention of the method and time of shipping of this evidence will be included in written report of the sighting.

3. It is desired that no publicity be given this reporting or analysis activity.

BY COMMAND OF THE CHIEF OF STAFF:

Info copies to:
Dir/Int, G-2, Army
Dir/Naval Int.
Commandant (INT) US Coast Guard
Sp Asst for Research & Intel, State
Director FBI
Director of CIA


C. P. CABELL
Major General, USAF
Director of Intelligence

~~CONFIDENTIAL~~

Office Memorandum • UNITED STATES GOVERNMENT

TO : THE DIRECTOR

DATE: October 9, 1950

FROM : MR. D. M. LADD

SUBJECT: *gm* *sk*
FLYING SAUCERS
FLYING DISCS
GREEN FIREBALLS

Tolson	☒
Ladd	☐
Clegg	☐
Glavin	☒
Nichols	☒
Rosen	☐
Tracy	☐
Harbo	☐
Mohr	☐
Tele. Room	☐
Nease	☐
Gandy	☐

PURPOSE

To advise you of the most recent information known to the Bureau concerning the captioned aerial phenomena.

BACKGROUND

You will recall that on August 23, 1950, I furnished to you a memorandum regarding Project Twinkle set up by the Department of the Air Force, with the assistance of Land-Air, Inc., at Vaughn, New Mexico, for the purpose of obtaining data regarding these unusual aerial phenomena which had been seen in the vicinity of sensitive installations in New Mexico. To date the Air Force has not advised us of any new developments in connection with this project.

Dr. Anthony O. Mirarchi, Project Engineer of Project Twinkle, has been contacted by the Albuquerque Office and arrangements have been made in order that the Bureau will be advised in the event any information relative to these phenomena indicates any jurisdiction on the part of the Bureau.

According to Bureau files, an average of approximately three or four complaints have been received per month from June through September. These complaints were brought to the attention of OSI. A review of Bureau files does not indicate that there has been any increase in the sightings of these phenomena during or as a result of the war in Korea.

JURISDICTION FOR INVESTIGATION OF THESE PHENOMENA

You will recall the investigation to obtain information concerning these aerial phenomena is the jurisdiction of the Department of the Air Force. The Department of the Air Force is aware of our jurisdiction in matters relating to espionage, sabotage and internal security, and we have contacted OSI and requested them to advise us of any developments in connection with these phenomena which would be of interest to us as a result of our jurisdiction.

EHM:de

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162-83894-250
OCT 10 1950

52 OCT 16 1950

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OCT 2 1950

1871

Oct 9 1950
U.S. DEPT. OF JUSTICE

53

RECEIVED-TOLSON
FBI
U.S. DEPT. OF JUSTICE
OCT 9 6 55 PM '50

RECEIVED-NICHOLS
U. S. DEPT OF JUSTICE
F B I
OCT 9 7 53 PM '50

POSSIBLE ORIGIN OF THESE AERIAL PHENOMENA

The Bureau has been advised in the past by OSI that many of the sightings reported to them were determined by investigation to have been of weather balloons, falling stars, meteorological phenomena and other air-borne objects.

INFORMATION OBTAINED BY BUREAU LIAISON FROM OSI, WASHINGTON, D. C.
RE THE CAPTIONED MATTERS ON OCTOBER 9, 1950.

Bureau liaison determined on the morning of October 9, 1950 from OSI headquarters that the investigations of these aerial phenomena are being handled by OSI, Wright Field, Ohio. Their investigation of these phenomena fails to indicate that the sightings involved space ships or missiles from any other planet or country.

According to OSI, the complaints received by them have failed to indicate any definite pattern of activity. OSI further advised they are closely following the investigation of the captioned matters, and they will advise this Bureau of any matters of interest.

ACTION

None. The above is for your information.

THE DIRECTOR

October 9, 1950

MR. D. M. LADD

WIZARD SAUCERS
FLYING DISCS
CHIMNEY FIREBALLS

PURPOSE

To advise you of the most recent information known to the Bureau concerning the captioned aerial phenomena.

BACKGROUND

You will recall that on August 23, 1950, I furnished to you a memorandum regarding Project Twinkle set up by the Department of the Air Force, with the assistance of Land-Air, Inc., at Vaughn, New Mexico, for the purpose of obtaining data regarding these unusual aerial phenomena which had been seen in the vicinity of sensitive installations in New Mexico. To date the Air Force has not advised us of any new developments in connection with this project.

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Belmont _____
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Tele. Room _____
Nease _____
Gandy _____

RMH:de

62-83894-250

59 OCT 23 1950

POSSIBLE ORIGIN OF THESE AERIAL PHENOMENA

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According to OSI, the complaints received by them have failed to indicate any definite pattern of activity. OSI further advised they are closely following the investigation of the captioned matters, and they will advise this Bureau of any matters of interest.

ACTION

None. The above is for your information.

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI

DATE: October 2, 1950

FROM : SAC, PHILADELPHIA

ATTENTION: MR. LEO LAUGHLIN

SUBJECT: FLYING DISC REPORTED AT
PHILADELPHIA ON 9/26/50*FLYING SAUCERS*

B2B

During the late evening hours of September 26, 1950, two Philadelphia police officers observed a peculiar phenomenon on Vare Boulevard near 26th Street when they saw a round object about six feet in circumference slowly float down to the ground.

The object had the appearance of a parachute and landed in a field, it being so light it did not even depress the weeds in the field. The object was lavender in color, described by the officers as dewy, sort of like soap suds, and evaporating within fifteen or twenty minutes after it landed. When touched by the officers, the substance composing the object disappeared, leaving nothing but a slight sticky substance.

This matter was reported to this office by the Philadelphia Police and for that matter, was subsequently carried in the Philadelphia press as "Flying Saucer Just Dissolves".

Mr. LAUGHLIN of the Bureau was telephonically advised of the above by this office and issued instructions that the matter should be referred to Air Force Intelligence for handling and any investigation. Accordingly, Major WATTS of the Philadelphia Office of OSI was telephonically advised of the above and no further action was taken by this office.

FMK/mmd

98-0

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OCT 2 1950

12

55 OCT 18 1950

*Hennrich**62-83874-251**Laughlin**FIVE**Wossberg**B*

OCT 5 3 13 PM '50

REC'D BELMONT
F. B. I.
DEPT. OF JUSTICE

RECEIVED

OCT 6 12 25 PM '50

REC'D ESPIONAGE
F. B. I.
U. S. DEPT. OF JUSTICE

Reference is made to the report of the Special Agent in Charge, New York, dated October 4, 1950, and the report of the Special Agent in Charge, Boston, dated October 4, 1950, both of which are being referred to the Bureau for information.

The report of the Special Agent in Charge, New York, dated October 4, 1950, is being referred to the Bureau for information.

The report of the Special Agent in Charge, Boston, dated October 4, 1950, is being referred to the Bureau for information.

The report of the Special Agent in Charge, New York, dated October 4, 1950, is being referred to the Bureau for information.

RECEIVED OCT 5 1950

REC'D BELMONT

REC'D BELMONT

DIRECTOR

DIRECTOR

Office Memorandum • UNITED STATES GOVERNMENT

Oct 7, 1950
E.L. Wekton
413 Irving Ave.
Glendale Calif.
E.L. WEKTON

my theory of the flying saucer is:

It gets its power from electricity generated by a gen/generator. The generator is run from a revolving disc, therefore giving the flying saucers a disc like appearance.

By the use of gears the revolving disc is able to generate 10 or 20 times more power than is needed.

The faster the disc goes, the more power. By use of the new light weight electric motors, there is less weight, and less space taken.

The revolving disc is in side of light shell. Forward motion of ships allows disc to revolve, generating electric power.

This way, the flying disc could fly almost any length of time.
Compressed air could be used to start power disc.

RECORDED - 125

INDEXED - 125

62-83894

OCT 13 1950

EX-29

55 OCT 25 1950

OF flying Discs

Oct 11 11 42 AM '50
RECEIVED
RECORDS SECTION

INDEXED - 152
RECORDED - 152

MR. JONES.

OCT 11 3 42 PM '50

RECEIVED

FBI

U. S. DEPT. OF JUSTICE

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

CC-150

To: COMMUNICATIONS SECTION.

OCTOBER 13, 1950 URGENT

Transmit the following message to:

SAC, LOS ANGELES

Unknown
O FLYING SAUCERS. YOU ARE INSTRUCTED TO DISCREETLY
DETERMINE THROUGH APPROPRIATE RELIABLE SOURCES OF YOUR OFFICE
WHETHER FRANK SCULLY, AUTHOR OF THE BOOK QUOTE BEHIND THE FLYING
SAUCERS UNQUOTE IS IDENTICAL TO THE FRANK SCULLY WHO HAS BEEN
ACTIVELY ENAGED IN COMMUNIST ACTIVITIES SINCE THE LATE NINETEEN
THIRTIES IN THE TERRITORY OF YOUR OFFICE.

HOOVER

EHM:gmt
Sm

RECORDED - 95

INDEXED 95

Mr. Tolson _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Tracy _____
Mr. Egan _____
Mr. Gurnea _____
Mr. Harbo _____
Mr. Mohr _____
Mr. Pennington _____
Mr. Quinn Tamm _____
Tele. Room _____
Mr. Nease _____
Miss Gandy _____

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

55 OCT 26 1950

OCT 13 1950

SENT VIA

COPIES DESTROYED TELETYPE

270 NOV 23 1964

62-83894-253

OCT 18 1950

RECEIVED READING ROOM
FBI
U. S. DEPT. OF JUSTICE
OCT 13 1 30 PM '50

Per *[Signature]*

62-83894-254

CHANGED TO

100-2244-6

OCT 31 1950
RB

Q

~~CONFIDENTIAL~~

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON

This image contains all the
information on the document.

DECLASSIFIED

Authority:

NND 90986

THE INSPECTOR GENERAL USAF
17TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS
KIRTLAND AIR FORCE BASE, NEW MEXICO

DR/ms

File No: (24-8)-28

25 May 1950

SUBJECT: Summary of Observations of ~~Aerial~~ Phenomena in the New
Mexico Area, December 1948 - May 1950

TO: Brigadier General Joseph F. Carroll
Director of Special Investigations
Headquarters USAF
Washington 25, D. C.

0 Flying Discs

1. In a liaison meeting with other military and government intelligence and investigative agencies in December 1948, it was determined that the frequency of unexplained aerial phenomena in the New Mexico area was such that an organized plan of reporting these observations should be undertaken. The organization and physical location of units of this District were most suitable for collecting these data, therefore, since December 1948, this District has assumed the responsibility for collecting and reporting basic information with respect to aerial phenomena occurring in this general area. These reports have been distributed to the Air Materiel Command, USAF, in accordance with Air Intelligence Requirements No. 4, and to other interested military and government agencies.

2. There is attached, as a part of this summary, a compilation of aerial phenomena sightings that have occurred mostly in the New Mexico area and have been reported by this District Office subsequent to December 1948. This compilation of sightings is not a complete record of all reported observations, but includes only those in which sufficient information was available to justify their inclusion. The observers of these phenomena include scientists, Special Agents of the Office of Special Investigations (IG) USAF, airline pilots, military pilots, Los Alamos Security Inspectors, military personnel, and many other persons of various occupations whose reliability is not questioned. This compilation sets forth the most important characteristics with respect to each observation and evaluates each sighting into one of three classifications, (1) green fireball phenomenon, (2) disc or variation, and (3) probably meteoric.

3. There is also attached an analysis of the green fireball occurrences in this area made by Dr. Lincoln LaPaz. Dr. LaPaz is the

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File No: (24-8)-28

Subj: Summary of Observations of Aerial Phenomena in
the New Mexico Area, December 1948 - May 1950

25 May 1950

Director of the Institute of Meteoritics and Head of the Department of Mathematics and Astronomy at the University of New Mexico. He was Research Mathematician at the New Mexico Proving Grounds under an OSRD appointment in 1943 and 1944, and Technical Director of the Operations Analysis Section, Headquarters, Second Air Force, 1944-45. Since 1948, Dr. LaPaz has served on a voluntary basis as consultant for this District in connection with the green fireball investigations.

4. On 17 February 1949 and again on 14 October 1949, conferences were held at Los Alamos, New Mexico, for the purpose of discussing the green fireball phenomena. Representatives of the following organizations were present at these meetings: Fourth Army, Armed Forces Special Weapons Project, University of New Mexico, Federal Bureau of Investigation, U. S. Atomic Energy Commission, University of California, U. S. Air Force Scientific Advisory Board, Geophysical Research Division Air Materiel Command USAF, and the Office of Special Investigations (IG) USAF. A logical explanation was not proffered with respect to the origin of the green fireballs. It was, however, generally concluded that the phenomena existed and that they should be studied scientifically until these occurrences have been satisfactorily explained. Further, that the continued occurrence of unexplained phenomena of this nature in the vicinity of sensitive installations is cause for concern.

5. The Geophysical Research Division, Air Materiel Command, Cambridge, Massachusetts, has recently let a contract to Land-Air, Inc., Holloman AFB, Alamogordo, New Mexico, for a limited scientific study of green fireballs. The results of this scientific approach to the problem will undoubtedly be of great value in determining the origin of these phenomena.

6. This summary of observations of aerial phenomena has been prepared for the purpose of re-emphasizing and reiterating the fact that phenomena have continuously occurred in the New Mexico skies during the past 18 months and are continuing to occur, and, secondly, that these phenomena are occurring in the vicinity of sensitive military and government installations.

4 Incls

1. Summary of Sightings
2. Photo of Sighting No. 175
w/comments
3. Ltr fr Dr. LaPaz to Lt Col
Rees, dtd 23 May 50
4. Graph indicating maximums


DOYLE REES
Lt Colonel, USAF
District Commander

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File No: (24-8)-28

Subj: Summary of Observations of Aerial Phenomena in
the New Mexico Area, December 1948 - May 1950

25 May 1950

DISTRIBUTION:

- 6 cys, Director of Special Investigations, Headquarters USAF
- ~~1 cy, CG, Air Materiel Command, Wright-Patterson AFB, Ohio~~
ATTN: Director of Technical Intelligence
- 1 cy, CG, Special Weapons Command, Kirtland AFB, New Mexico
- 1 cy, CG, Armed Services Special Weapons Project, Sandia Base,
New Mexico. ATTN: J-2
- ~~1 cy, CG, Headquarters, Fourth Army, Ft. Sam Houston, Texas~~
ATTN: AC of S, G-2
- 1 cy, CO, Holloman AFB, New Mexico
- ~~1 cy, CO, Air Force Cambridge Research Laboratories, Cambridge, Mass.~~
- 1 cy, Director, Security Division, U. S. Atomic Energy Commission,
Los Alamos, New Mexico. ATTN: Mr. B. O. Wells
- 1 cy, Federal Bureau of Investigation, El Paso, Texas
- 1 cy, Federal Bureau of Investigation, Albuquerque, New Mexico
- ~~1 cy, Air Force Scientific Advisory Board, Pentagon Building~~
ATTN: Dr. Joseph Kaplan.
- ~~1 cy, Research and Development Board, Pentagon Building~~
ATTN: Dr. H. E. Landsberg, Executive Director, Committee on
Geophysics and Geography
- 1 cy, File

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THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

INSTITUTE OF METEORITICS

May 23, 1950

To: Lt. Colonel Doyle Rees, Commanding Officer
17th District, O. S. I.

From: Lincoln LaPaz, Director
Institute of Meteoritics

Subject: Anomalous Luminous Phenomena (Seventh Report)

1. In the second report of this series, dated 1948, December 20, the writer listed ten significant differences between the bright green horizontally-moving fireballs observed in the interval 1948, December 5-20, and typical meteors. These differences were the following:

(1) The horizontal nature of the paths of most of the December fireballs is most unusual. Genuine meteors are rarely observed to move in horizontal paths.

(2) Again the very low height of the December fireball discussed in section 2 above sets it off in sharp contrast from the genuine meteors for which heights of the order of 40 or more miles are normally observed.

(3) The velocity determined for the fireball of December 12 is much less than the velocities determined from typical meteors (and yet is considerably greater than the speeds of the V-2 Rockets or jet planes or of conventional flares).

(4) In the case of meteorites that penetrate to as low levels as that determined for the fireball of December 12, the observed luminous phenomena are always accompanied by very violent noises. No noises whatever have been observed in connection with the various December fireballs so far investigated. (Note added on 1950, May 23: Possible exceptions to the noiselessness of green fireballs are the incidents of 1949, January 30, and 1949, December 4.)

(5) Genuine meteors normally show remarkable variations in brightness, beginning as fine thin hair lines, which are scarcely visible to the observer, and then brightening up to flash out near the end of their paths. In the case of the December fireballs most of the observers have reported that the green balls appeared almost instantly at their full brightness.

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Subj: Anomalous Luminous Phenomena (Seventh Report) May 23, 1950

(6) In the case of genuine meteors the paths are directed toward all points of the compass with equal frequency. On the contrary in the case of the green fireballs, plots of admissible approach sectors show that there is a very pronounced tendency for the paths to come in from the north half of the sky.

(7) The three groups of anomalous greenish luminous phenomena show a curious association with well known meteor showers, although none of these meteor showers normally produce extremely bright green fireballs, such as those recently observed. For example, the observation mentioned by Mr. Monnig appeared near the maximum of the Quadrantid shower of early January, Mr. McCullough's observation of August was near the time of the Persid shower and the December observations all fell in the interval covered by the Geminid shower. This relationship might indicate an attempt to render the green fireballs less conspicuous by causing them to appear only when there is considerable meteoric activity.

(8) As noted in an earlier communication, the remarkably vivid green color reported for most of the December fireballs is rarely observed in the case of genuine meteors. By laboratory test this peculiar color seems to be identical with that given off by copper salts in the blowpipe flame. If this identification is correct, the wave length of the radiation from the green fireballs is near $\lambda = 5212\text{\AA}$.

(9) The duration estimates of between 2 and 3 seconds reported for the green fireballs are considerably longer than those (0.4 - 0.5 seconds) for the ordinary visual meteors, but shorter than the duration estimates invariably reported in the case of a genuine meteorite fall (5 to 30 seconds or even longer).

(10) For none of the green fireballs has a train of sparks or a dust cloud been reported. This contrasts sharply with the behavior noted in case of meteoric fireballs--particularly those that penetrate to the very low levels where the green fireball of December 12 was observed.

2. In the year and a half since this list was prepared, many additional observations have been made, the total number of objects now accepted as belonging in the green fireball category being 72. (Although this number constitutes nearly 50% of the incidents listed in the accompanying Summary, it constitutes less than 5% of the total number of unscreened observations reported to the writer.) Critical analysis of all green fireball reports now available shows that only one of the statements in the list given in paragraph 1 needs to be modified, namely, item (1). Within the last year, a considerable number of the green fireballs have appeared to fall vertically downward rather than

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Subj: Anomalous Luminous Phenomena (Seventh Report)

May 23, 1950

to move horizontally. However, a strictly vertical infall is also very rarely observed in the case of genuine meteor falls.

3. An analysis just completed of the time distribution of the green fireballs so far observed permits us to add an 11th item to the list of differences given in paragraph 1 above. The graph of frequency versus local time which accompanies the present report shows that the maximum frequency of sighting of green fireballs (occurring at approximately 2030) coincides in time with neither the frequency maximum for ordinary meteors (occurring at approximately 0300) nor the frequency maximum for meteorite falls (occurring at approximately 1600).

4. Inspection of the graph referred to in paragraph 3 also will show that most of the green fireballs have been sighted in a time interval extending from about 5 p.m. to 11 p.m. (MST). This concentration might be even more pronounced if it were possible to screen out of the secondary maximum, around 2 a.m. (MST), all ordinary meteors which have been mistakenly identified as green fireballs. That such misidentification has occurred is strongly suggested by the near coincidence in time of the secondary maximum of the green fireballs and the well established early morning maximum of the ordinary meteors.

5. Some significance may attach to the fact that the time interval alluded to in paragraph 4 extends from about 7 a.m. to 1 p.m. in the Ural region of the USSR. Since missiles moving with velocities of the order of those found for the green fireballs for which real path determinations have been possible would travel from the southern Urals to New Mexico in less than 15 minutes, a possible interpretation of the concentration of sightings referred to in paragraph 4 is that the green fireballs result from guided missiles launched from bases in the Urals in the morning hours before cloudiness due to convection or blinding afternoon dust storms can interfere with non-radar tracking, such as has been used by the Optical Trajectory Section at White Sands Proving Ground.

6. There is also a pronounced concentration of green fireball incidents on the four days, Friday, Saturday, Sunday, Monday, almost all of the most widely observed incidents having occurred on Saturday or Sunday.

7. It is a curious and fairly well-established fact that there has been a distinct decline in the number of green fireball sightings during the last two months, within which the number of so-called "flying saucer" incidents in this region has attained an all-time high.

8. Although I have recently received from Dr. Joseph Kaplan of the Scientific Advisory Board a letter containing the statement "Frankly, I don't know of any U. S. experiments that would result in the appearance of these unconventional objects, and neither does Von Karman". I still

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To: Lt. Colonel Doyle Rees - Page 4

Subj: Anomalous Luminous Phenomena (Seventh Report) May 23, 1950

consider the most probable explanation of the green fireballs to be the one given in the first of the three paragraphs below which are quoted from my letter of 1950, February 20, to Dr. P. H. Wyckoff, Chief Atmospheric Physics Laboratory, Base Directorate for Geophysical Research. The last two paragraphs quoted below well summarize my recommendations concerning the green fireball problem:

"As a preliminary to setting down the project recommendations which you requested, I have very carefully reviewed all available fireball data (observers' reports, transit measurements, calculated real paths, etc.) covering incidents from those of December 5, 1948 to the extraordinary incident of February 7, 1950, which has been under intensive investigation for the last two weeks. As a result of this comprehensive review, particularly as it relates to the incident of February 7, 1950, I feel compelled to write you in somewhat different terms concerning my own part in the proposed fireball project than I had in mind when we last discussed this matter. In brief, I have come to the conclusion that, on the basis of the evidence now available to me, I would not be justified in recommending a fireball project. In my opinion, this evidence proves conclusively that the fireballs reported on fall into one of two categories: Those of the first category (the majority) are meteorite falls of unusual, but certainly not of impossible, magnitude, frequency and other characteristics; those of the second category (the minority) are U. S. guided missiles undergoing tests in the neighborhoods of the sensitive installations they are designed to defend. This interpretation of the latter category is the one that I proposed in answer to a question raised by Dr. Teller at the first Los Alamos conference on February 17, 1949. It was not taken seriously then and I doubt that it will be taken seriously at the present time. However, even if my interpretation of the unconventional fireballs is the correct one, it is obvious that those in position to confirm it should refuse to do so."

"Only one other point need be stressed, namely, that if I am wrong in interpreting the guided missiles as of U. S. origin, then certainly intensive, systematic investigation of these objects should not be delayed until the termination of the present academic year. Recent international developments compel one to sense the imperative necessity of immediate investigation of the unconventional green fireballs, in case you are in possession of information proving that they are not U. S. missiles."

"If such an immediate investigation were to be undertaken, I would recommend that Dr. Fred L. Whipple, of Harvard College Observatory, be placed in charge of the photographic phase of the investigation; that Dr. Peter M. Millman, of the Dominion Observatory, be placed in charge of the spectrographic phase of the investigation;

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To: Lt. Colonel Doyle Rees - Page 5

Subj: Anomalous Luminous Phenomena (Seventh Report) May 23, 1950

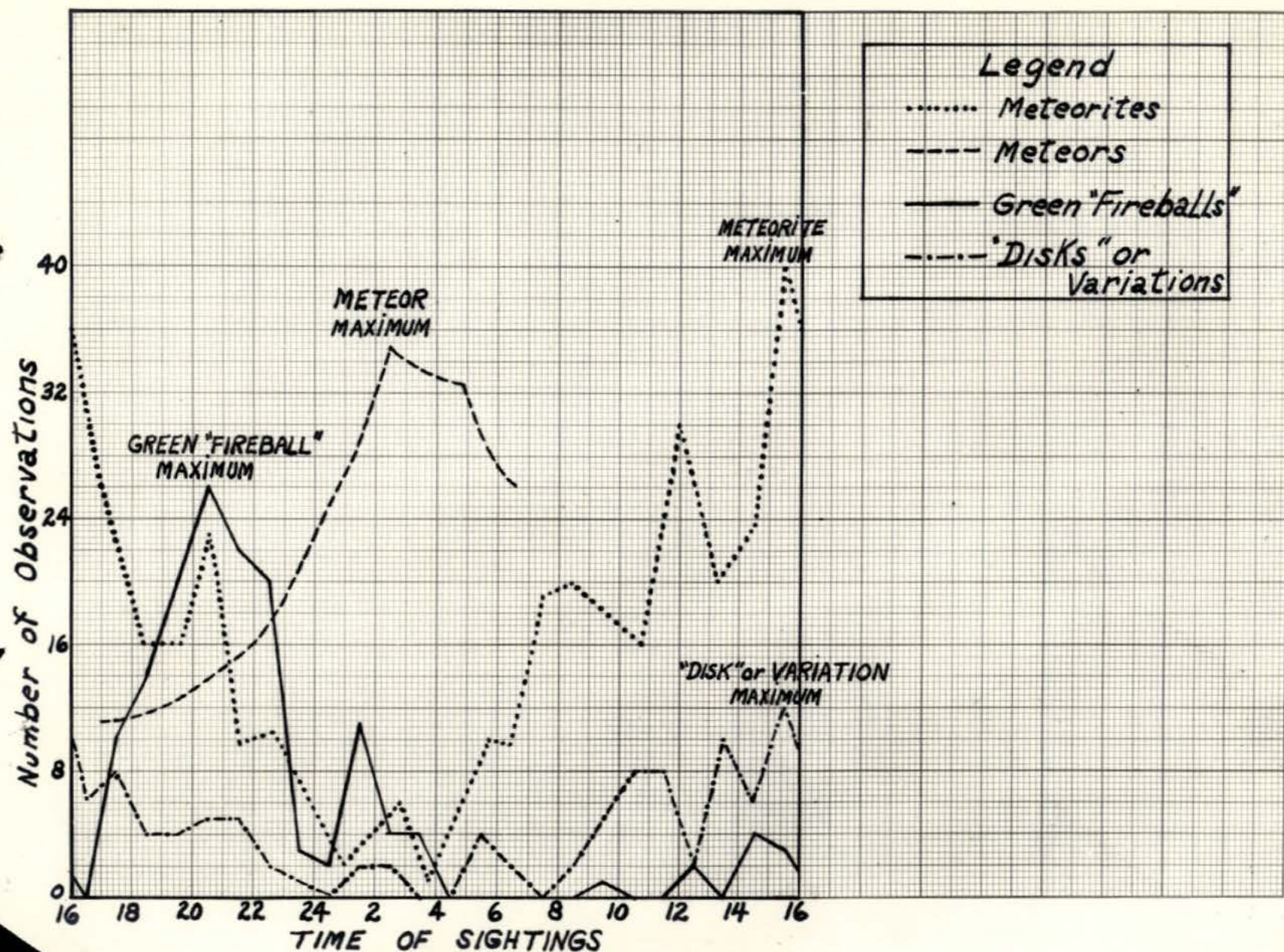
that Dr. L. A. Manning, of Stanford, and Dr. Hillman be placed in charge of the radar investigation; and, finally, that Dr. William Crozier, of the New Mexico School of Mines, be placed in charge of dust collection and identification. On the basis of many intensive field surveys, I do not anticipate that ground search will lead to any recoveries, but in case such ground search is to be attempted, it should be carried out on the scale stressed in my conversations with you and Major Oder last month."

9. Although the above paragraphs were written some months ago, the recommendations contained in them are the ones I would urge you to consider at the present time. In conclusion, I should like to repeat the offer made at the end of my letter of February 20 to Dr. Wyckoff, namely to serve, if needed, as consultant on the green fireball project as suggested in Major Oder's letter to me under date of November 29, 1949, with the stipulation, however, that my service be on a voluntary basis rather than on the \$40 per day contract specified in Major Oder's letter.

Lincoln LaPaz

Lincoln LaPaz, Director
Institute of Meteoritics
University of New Mexico

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Sighting No. 175

Photograph of Unknown Aerial Phenomena taken at Datil, New Mexico by Cpl Lertis E. Stanfield, Holloman Air Force Base, New Mexico on 24 and 25 Feb 1950. An analysis of the above photograph was made by Dr. Lincoln LaPaz, Head of the Institute of Meteoritics, University of New Mexico, Albuquerque, New Mexico, who reached the following conclusions:

- a. The angular diameter of the perfectly round luminous object Stanfield observed was approximately $1/4$ of a degree.
- b. The angular velocity of the object in the sky was greater than half a degree per minute.

Dr. LaPaz stated that on the basis of the results (a) and (b) above, the object seen by Stanfield was not the moon (for the angular diameter is too small), it was not Venus or any other planet (for the angular diameter was too large), and it was not a bright fixed star slightly out of focus (for the observed rate of motion is double that due to the diurnal rotation of the earth).

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REPORT OF OBSERVATION OF UNUSUAL AERIAL PHENOMENA

Reported by the 17th District Office of Special Investigations (DS), Kirtland Air Force Base, New Mexico

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
1	1946 19 Jan	2300	1	R	Point of impact on line between Brest and Kiev	Almost vertical descent followed by "bouncing" N to S		35° above Horizon Descending	Brilliant white		2 - 3 secs.	None		Compare w/planet Venus on unusually clear night.		
2	Latter part 1947	App. 2000	1	R	Vaughn, New Mexico		400' - 500'	Descending slowly in vertical manner	Bright white			None	Round	Larger than basketball	Descending slowly	Exploded
3	1948 27 Jul	0835 0845	1	R	Albuquerque, New Mexico				Duraluminum reflected light			None	Flat and round		Stationary at times	
4	4 Aug	0200 & 0300	2	Unk	North Powder, Oregon	NW to SE	5500'	Horizontal line	Green					Softball	720 mph	Extinguished

LEGEND:

*Reliability of Observers: VR - Very Reliable R - Reliable Unk - Unknown Reliability

**Evaluation: (1) "Green Fireball Phenomena" (2) "Disk" or Variation (3) Probable Meteor

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Summary of Sightings of Unidentified Aerial Phenomena, 14th District CFI (cont)

Page

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Remarks
5	1948 24 Oct	Night	1	Unk	Phoenix, Arizona	E to W			Green		75 mts.			Star	Very slow	Became very bright and fell apart
6	5 or 4 Nov	App 2200	1	R	Vaughn, New Mexico		400' - 500'	Descending slowly in vertical manner	Bright white			None	Round	Larger than basketball	Descending slowly	Exploded
7	23 Nov	App 2200	1	R	Vaughn, New Mexico		400' - 500'	Descending slowly in vertical manner	Bright white			None	Round	Larger than basketball	Descending slowly	Exploded
8	5 Dec	2135	2	R	Las Vegas, New Mexico	W to E	Slightly above 9,000'	Horizontal slightly descending	Whitish orange		Few secs					Disappeared
9	5 Dec	App 2200	2	R	Albuquerque, New	No movement noted	10,500'	Parabolic curve	Green	Yes	2 secs	None	Round			Faded out
10	6 Dec	2255	1	Unk	Sandia Base, New Mexico	E to W		Slight falling arch	Green	Yes	2--3 secs	None	Round	1/3 diameter of moon	Rapid	Vanished
11	8 Dec	1853	2	VR	Las Vegas, New Mexico	ENE to WSW	13,500'	Horizontal	Bright green	Yes	2 secs	None		Larger than a flare	Rapid rate of speed	Faded out

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 5

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal or Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
12	1948 11 Dec	1930		Unk	Hood River, Oregon				Blue & white			Yes	Flash			Flash w/ r like thunder
13	12 Dec	2102	5	VR	15 miles south of Las Vegas, New Mexico	E to W	3 - 10 miles	Horizontal	Very bright green		2.1-2.3 secs	None	Ball	Magnitude -4		Broke into 3 or 4 small fragments & disappeared
14	20 Dec	2054	4	R	Los Alamos New Mexico	W to E	Great height descending	20° to the horizon	Pale green or bluish white	Yes	1-1/2 secs	None	Ball	Basketball	High speed	Disappeared behind mountain
15	28 Dec	0431	1	R	Los Alamos, New Mexico	N to S	Descended from high alt to 6000'	Descending in vertical path	white		Sev. secs	None	Star	Star	Slower than falling star	Disappeared w/ greenish flash
16	1949 6 Jan	1730	1	Unk	Albuquerque New Mexico	SE to NW	1500' - 2000'	Horizontal	Bright white			None	Diamond	App. 2' long	Much faster than a jet	Disappeared
17	6 Jan	0310	1	R	Los Alamos, New Mexico	E to W	3 to 5° from observer	Horizontal	Brilliant green		2 secs	None			High speed	Disappeared behind mountainous horizon
18	30 Jan	1754	App 200	Unk	El Paso, Texas	NW to SE	3° - 5° above horizon	Horizontal	Green			None	Ball			Broke into pieces

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Summary of Sightings of Unknown Aerial Phenomena, 17th District C3A (cont)

Page 4

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
19	1949 30 Jan	1755	App 200	Unk	Roswell, New Mexico	W to E	2000'	Horizontal	Blue-green			None			Moving slowly	Disappeared to some. Disintegrated into shower of smaller lighted fragments
20	30 Jan	App 1800	App 200	Unk & R	Alamogordo, New Mexico	N to S	Angle of elev. 15°-30° from observer.	Gentle descent	Green		3 - 15 secs	None	Ball			Seemed to fizzle out
21	30 Jan	1854 1900	10	Unk	Ft. Worth, Texas	N to S	13° above horizon	30° downward from horizon	Green trailing sparks	Yes	1 - 7 secs	None		1/3 size of full moon		Disintegration
22	14 Feb	1840	2	Unk	Canado, New Mexico		Somewhat above horizon	Stationary then fell in slight curve to W	Brilliant white slightly green color	Yes		None			Stationary then fell in slight curve to W.	(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 5

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
23	1949 17 Feb	1300	1	Unk	Grants, New Mexico	Southward		Vertical climb then leveled off Gradual ascent	White	Yes		None	Oval	Larger than meteor		Disappeared	
24	17 Feb		App 100	VR	Albuquerque, New Mexico	W to E			Brilliant white shifting to peach color		6 mts	None	Round	1 lunar diameter shifting to ellipse		Disappeared	
25	27 Feb	1905	1	R	Los Alamos, New Mexico	W to E		Parallel to earth	Green-white		2 secs	None			Not as fast as meteor	Disappeared abruptly	
26	2 Mar	0010	1	R	Los Alamos, New Mexico	N to S	"Low in sky"	Horizontal	Light		2 secs	None			Very fast	Disappeared behind trees	(1) (3)
27	3 Mar	0159	1	R	Los Alamos, New Mexico	Straight down		Straight down	Bright green							Disappeared	(1) (3)
28	6 Mar	2100	2	Unk	Camp Hood, Texas	From N 74° W N 81° W	From 6° 45' above horizon		Blue-white light	Yes		None	Oblong	2' by 1'	Not known		(1)

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Summary of Observations of Unidentified Aerial Phenomena, 1949-1950, Camp Hood, Texas

Page 3

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
29	1949 6 Mar	2020	2	Unk	Camp Hood, Texas	N 40° E	59° above horizon		Blue-white light			None	Ball like flash	Basketball	"Fixed flash"	
30	6 Mar	2045	1	Unk	Camp Hood, Texas	From S 81° W to S 60° W	From 21° above horizon to 6°31' above		Light colored head orange trail	Yes		None	Round head with trail	About 10° in length		
31	7 Mar	0115	1	Unk	Camp Hood, Texas	N 40° E	66° 15' above horizon		Brilliant blue-white			None	Like flash bulb	Flash bulb		
32	7 Mar	0130	1	Unk	Camp Hood, Texas	N 16° W	27° 30' above horizon		Bright blue-white			None	Like flash bulb	Basketball	"Fixed flash"	
33	7 Mar	0130 0200	2	Unk	Camp Hood, Texas	S 20° W	26° above horizon		Bluish white			None	Ball like flash	Flash bulb		(1) (3)
34	7 Mar	0145	1	Unk	Camp Hood, Texas	N 60° E		Dropped vertically to ground	Orange		2 secs	None	Tear-drop	2' by 1'		Disappeared behind trees (3)

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Summary of Observations of Unidentified Aerial Phenomena (UAP) for the period March 1949

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Value
35	1949 7 Mar	1810	1	Unk	Window Rock, N Arizona		40 - 45° to horizon		Red (fire) in center shading to blue at edge	Yes	6-8 secs	None	Ball round- spher- ical	3' in dia- meter	200-300 mph	Disintegra- ted	(1)
36	8 Mar	1836	1	R	Los Alamos, New Mexico	S. to N	12,000' to 15,000'	Horizontal	Bright white with green- ish tint		1-2 secs	None			App 800 mph	Either went out or dis- appeared be- hind cloud	
37	8 Mar	1835	1	R	Los Alamos, New Mexico	S to N	4,000 above terrain	Descending at 45° angle	Intense white light alumi- num colored		Very short	None	Ellipt- ical pointed at ends		Slower than twin-en- gined plane	Disappeared behind trees	
38	8 Mar	0103	1	Unk	Camp Hood, Texas	from S 58° E to S 54° E	From 58° above horizon to 54° above	Traveled in arc	Pale white light	Yes		None	Round- ish head w/hazy smoke trail				(3)

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Summary

Page

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
39	1949 8 Mar	0103	1	Unk	Camp Hood, Texas	From N 56° W S 64° W	From 15° above horizon	Traveled in arc	Pale reddish nose whitish red trail	Yes		None	Lemon w/tail			Disappeared	
40	13 Mar	2153	1	Unk	Albuquerque, New Mexico	NE to SW or SW to NE	20° above horizon	Descending slightly	Pluish or green- ish white	Yes	2-4 secs	None	Length twice dia- meter of ball	$\frac{1}{2}$ diameter of full moon			
41	14 Mar	09- 00- 16Z	1	R	Airplane enroute fr Honolulu to Canton Is		6°-12° above airplane at 8,000	Horizontal			10 secs	None	Nose like bul- lot		65° in 9 secs		(1) (2)
42	27 Mar	1800 1805	1	Unk	Tucumcari, New Mexico	E to W	High in sky -app 30° above horizon		Amber	None	25 mts	None	Long & narrow			Faded out in distance	(2)
43	27 Mar	1800	1	Unk	Montoya, New Mexico	E to W	About 75° above		Orange flame	None	10 mts	None	Long & narrow	Length- about 1/6 lunar dia- meter, width-about 1/5 length		Faded out in distance	(2)

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Summary

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
44	1949 27 Mar	1813	1	R	Tucumcari, New Mexico	E to W	Close to 45° above horizon		Bright orange	None	15 mts	None	Long & narrow			Faded out of sight in distance
45	27 Mar	1800	1	Unk	Tucumcari, New Mexico	E to W	60° above horizon		Orange fire	None	15 mts	None	Like kite tail	About size of C-47 at 10,000 ft.		Disappeared behind hills
46	31 Mar	2150	1	R	Camp Hood, Texas	SW	Est. 2,000'		Fire red to white	Yes		None	Spherical	App. size of basketball		
47	5 Apr	2200	1	R	Los Alamos, New Mexico	S to N	App. 300' above S slope of Pejarito Mt.	Arc	Green w/red after glow		$\frac{1}{2}$ - 1 sec	None			Tremendous speed	Disappeared behind mountain
48	6 Apr	1205	1	R	Los Alamos, New Mexico	SE	About 15,000'		Between dk & lt green		3 - 5 secs	None			Very fast	
49	7 Apr	0135	1	R	Los Alamos, New Mexico	W	About 200 yds fr top of hill		Green		App 45 secs	None			Moved very slowly	(1) (2)
50	7 Apr	0100	1	R	Los Alamos, New Mexico	S to N			Green		5 secs	None			Moving slowly	

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**
51	1949 12 Apr	1930	1	Unk	Albuquerque, New Mexico	SE to NW	20° above horizon		White	None	8 secs	None	Round	1/8 size of moon	15° in 8 secs	Extinguished	(1)
52	15 Apr	1630	1	Unk	El Paso, Texas	Straight up	About 30°		Grayish	Yes	15 mts	None	Thin smoke trail	Very thin		Dissipated	(2)
	18 Apr	0148	2	R	Flagstaff & Williams, Arizona	NW	App 12,000' to one. 75 - 100 miles to other observer		Greenish blue		1 - 2 secs	None	Ball like	100 watt light bulb		Disappeared behind obstacle	
54	22 Apr	0905	1	Unk	Cliff, New Mexico	W to E	20° dropping slowly		Aluminum	None	2 mts	None	Round, flat thin, disc-shape	Over 15' in diameter		Disappeared behind mountains	(2)
55	24 Apr	1033	5	VR	White Sands, New Mexico		25-29°		White light yellow		60 secs	None	Ellipsoid		Tremendous rate of speed	Disappeared due to distance	(2)
56	25 Apr	0630	2	Unk	Springer, New Mexico	2 groups going W 2 groups going E	Well above 30,000'		Silvery white	None	4 grps totaling about 20 sec	Yes	Round	Very small	Very fast well above speed of sound	Disappeared from view	(2)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
57	1949 28 Apr	App 1745	3	Unk	Tucson, Arizona	NE to SE or SW			Silver	None	12 - 40 mts	None	Cigar or sa- usage shape	From D-29 to a city block	300 - 600 mph	Faded from view	
58	30 Apr	2215	1	Unk	Albuquerque, New Mexico	E to W	59° above horizon		Blue green	None	2 secs 2°	None	Round	Tenth of moon	2 seconds 2 degrees	Went out	(1)
59	3 May	2143	1	R	Los Alamos, New Mexico	S to N	10° - 15° above horizon		Bright white light		10 secs	None			Very fast up to 1,000 mph		(1) (3)
60	3 May	2126 2143 2205	1	R	Los Alamos, New Mexico	S to N	10° - 15° above horizon		White		3 - 7 secs each time	None		Large - similar to size of air- plane landing lights	Very fast		(1) (3)
61	3 May	2126 2140	1	R	Los Alamos, New Mexico	ESE to NNW	10° - 15° above horizon		2126- white 2140- red		5 sec 1st; 2 sec 2nd	None		2126-base- ball dia- mond lights. 2140- slightly larger than firebox lights	Same speed as aircraft landing		(1) (3)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District CSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
62	1949 6 May	2040 2130	1	R	Camp Hood, Texas	W and N	App 1200' dropping to 440'		Alternating pinkish to green	None	50 mts	None	Round	1/3 dollar diminishing to short quarter size	Very slow	Faded from sight	(2) (1)
63	6 May	0105	1	R	Los Alamos, New Mexico	N to S	5° above horizon	Was going down at an angle of 30 - 35°	Green		Fraction of a sec	None	Round	App 1/8 size of full moon	Very high rate of speed	Disappeared west of Jemez Mts.	(1)
	7 May	2025 2105	4	R	Camp Hood, Texas	SE	1300'		Green-white	None	40 mts	None	Diamond shape	3 mils width	Covered 15 mils in 40 mins. horiz.	Dimmed and went out	(2) (1)
65	7 May	1940	1	R	Camp Hood, Texas	N and E	1000'		Reddish greenish white	None	57 sec	None	Diamond shape	3 mils width	Covered 20 mils in 57 secs horiz.	Dimmed and went out	(2) (1)
66	8 May	2008 2017	1	R	Camp Hood, Texas	N and E	1600'		Reddish greenish white	None	9 mts	None	Diamond	2 mils width	10 mils in 9 mts	Dimmed and went out	(1) (2)
67	8 May	0930 1100	4	Unk	Tucson, Arizona	W, 90° turn to the N	4000 to 20,000	Horizontal then rapid climb at 45° angle	White	None	10-20 mts	None	Metallic circular	40-75' in in diameter	Motionless to faster than jet	Climbed at 45° angle until out of sight	(2)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
68	1949 9 May	App 1430	1	R	Tucson, Arizona	SW to NE			Silvery	None	6-10 secs	None	Round & flat	25' in diameter	750-1000 mph	Faded from view	(2)
69	12 May	2115 2130	1	VR	Alamogordo, New Mexico		3° or 4° above horizon		White with green- ish tinge	None	4 mins	None	2 fuzzy stars	1/4 diameter of full moon		Vanished	(2)
70	16 May	App 1700	1	Unk	Tucson, Arizona	E to W	5000'	Horizontal	Black	None	8-10 secs	None	Round solid flat	3 - 4' in diameter	800-1000 MPH	Behind air- craft hangar	(2)
71	2 Jun	0040	1	R	Los Alamos, New Mexico	E to N	7000' - 10,000'	Descending	Green	Yes	1 sec	None	Ball of light				(1) (3)
72	11 Jun	2057	1	R	Los Alamos,	SW to NE	25° above horizon		Green then red at end of flight	Yes	4 - 5 secs	None		Size of star			(1)
73	20 Jun	2010	1	R	Los Alamos, New Mexico	W to E			Green turned orange red be- fore va- nishing	None	3 secs	None	Round			Extinguished	(1)
74	20 Jun	2010	1	R	Los Alamos, New Mexico	W to E	Directly overhead		Blue green	None	1-1/2 secs	None				Vanished as the exting'd.	(1)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
75	1949 24 Jun	1545 1630	2	Unk	Mesa, Arizona	1 to SE 2 to E 3 to NE 4 vertical 5 to E		4 Horizontal 1 Vertical	Steel gray		4 at 30 mts 1 at 25 secs	None	Disc w/2 flanges		Max of 400 mph	Faded from view	
76	27 Jun	0138	1	R	Albuquerque, New Mexico	W to E	30° to 90° above horizon		Similar to star Slightly more orange	Yes	2 mts	None	Round	Slightly larger than brightest star	140° in 2 mts.	Went behind building	(3)
77	29 Jun	2010	1	Unk	Flagstaff, Arizona	E to W	30° from vertical		Yellow in front Red behind	None		None	Bullet shaped	1/2 size of small airplane	Relatively slow	Over a hill	(1) (2)
78	30 Jun	1630	1	R	Seligman, Arizona	N	30° above horizon		Dull grey	None	8 secs	None	Circle	Appeared 1 1/2" diameter at 10,000' altitude	2,000 mph or faster	Disappeared in distance	(2)
79	11 Jul	2110	1	Unk	Camp Hood, Texas	W by SW	30° above horizon		Pale red	None	2 secs	None	Ball - but not a perfect circle	Twice as large as evening star		Such as turning off flashlight	(3)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
80	1949 28 Jul	2045	1	Unk	Killeen Base, Texas	N to S	300° above horizon		White w/tint of blue green	Yes	3-5 secs	None	Round w/tail	Size of evening star	Unable to estimate	Faded out	(1)
81	28 Jul	2259	1	Unk	Killeen, Texas	S to N	300° above horizon		2 predominately white. 1 had orange glow to tail	Yes	#1 at 2-3 secs #2 at 10-12 secs	None	Round w/tail	Tennis ball		Faded out	(1)
82	28 Jul	2258	1	Unk	Killeen, Texas	N to NW	300° above horizon		Initially blue turning white	None	15 - 20 secs	None	Round	3 times size evening star		Went out like light	(1) (3)
83	30 Jul	2135	1	R	Camp Hood, Texas	SE to NW	350° to horizon	Climbed in arc	Blue-white	Yes	2 - 2½ secs	None	Like rocket tail		2 - 2½ secs to cover arc of about 150°	Faded out	(1)
84	30 Jul	2204	1	Unk	Camp Hood, Texas	SE to SW	App 300° above horizon	Straight flight losing altitude	Predominately white w/blue tint	Yes	2 - 3 secs	None	Round w/tail	Evening star or planet	Very fast	Gradually faded out	(3)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
85	1949 6 Aug	2000	1	Unk	Las Cruces, New Mexico	E to W			Bluish green	Yes	1 - 2 secs	None	Round	Bigger than falling star		Disappeared behind building	(1)
86	6 Aug	2000	1	Unk	Las Cruces, New Mexico	E to W	3°28" to 9°40" above horizon	Curve going up then fell in almost vertical direction	Reddish blue & green	Yes	4 - 5 secs	None	Round	App 6" in diameter		Disappeared gradually	
87	6 Aug	2000	1	Unk	Alamogordo, New Mexico	Vertical	2°20" to 7°35" above horizon	Straight vertical flight	Bright white slight reddish cast	None	3 secs	None	Round	1/2 size of moon		Exploded then pieces died out	(1)
88	6 Aug 2005	2000	1	Unk	Alamogordo, New Mexico	E to W	2°4" to 12°7" above horizon	10° off vertical	White		2 secs	None		Large as auto spotlight at arm's length		Disappeared behind building	(1)
89	6 Aug	2015	1	Unk	Alamogordo, New Mexico	SW		Straight flight app 20° vertical dec-line	Whitish yellow (red trail)	Yes	1 sec	None	Round	Twice size normal falling star	Extremely fast - twice as fast as falling star	Disappeared behind mountain	(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
90	1949 6 Aug	2030	1	Unk	Alamogordo, New Mexico	N		Constant slight curve earthward	White (bluish)	Yes	1 sec	None	Round	App small-er than clenched fist	Similar to falling star	Went out
91	6 Aug	2020	1	Unk	Albuquerque, New Mexico	Descend- ing to earth verti- cally	15° above horizon	Descending to earth vertically	Green	None	1 - 1 1/2 secs	None	Round to pear shape	500 watt bulb about 1/5 mile away	10° in 1 1/2 secs at 2 miles	Dissipated (1)
92	6 Aug	2000	1	Unk	White Sands, New Mexico		40° above horizon	Straight line to earth	Obser-ver color blind	None	1 sec	None	Round	Half size of finger-nail at arm's length	Slightly faster than ordinary falling star	Disappeared behind sand dune (1)
93	6 Aug	2000	1	R	Alamogordo, New Mexico	200°	30° above horizon	Long slow curve to earth	Bluish green	Yes	1 sec	None	Round	Tip of thumb at arm's length		Burned out (1)
94	10 Aug	0010	2	Unk	Killeen Base, Texas	E to W	30° ang- le headed down	30° angle headed down	Blue	Yes	3 - 4 secs	None	Oval	Head size		Sudden disappearance (3)
95	10 Aug	2030	1	Unk	Killeen Base, Texas	N to S	30° above horizon		White	Yes	5 secs	None	Simi-lar to comet			Disappeared (3)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
96	1949 10 Aug	2035	1	R	Camp Hood, Texas	N to S		Level flight	Yellow to orange	Yes	1 - 2 secs	None		Like head-light of old car	60° in 2 secs	Cut out	
97	10 Aug	2035 2207 2220 2240	1	Unk	Camp Hood, Texas	W to E	30° - 45° above horizon	Level flight	White	Yes	3 - 4 secs	None	Round w/tail	Large flare	Greater speed than plane	Burned out	(3)
98	10 Aug	2040	1	Unk	Camp Hood, Texas	N to S	30° above horizon	Horizontal w/slight arc	Orange w/white tail	Yes	3 - 5 secs	None	Rocket	20 mm. tracer ammo.	Very great similar to falling star	Light gradually diminished	(3)
99	10 Aug	2100	1	Unk	Killeen Base, Texas	S	30° above horizon going up	Continued climbing at 30° angle until disappearance	Bright orange	Yes	5 secs	None	Reddish ball with long firey tail	Head size		Disappeared	(3)
100	10 Aug	2100 2120 2215 2250	1	R	Camp Hood, Texas		40° - 70° above horizon	#1, 3 & 4 almost horizontal #2 almost vertical	White with orange	Yes	1 sec for each one	None	Round with trail	Large star	Great speed	Went out like a light	(3)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	
101	1949 10 Aug	2200 2230	1	Unk	Camp Hood, Texas	S to N	30° above horizon	Level flight	White w/yellow trail	Yes	1 - 2 secs	None	Oval	Size of shooting star	300 mph or faster	Faded
102	10 Aug	2240	1	Unk	Camp Hood, Texas	N to S	8,000' or more	Straight flight with gradual incline	Light red diminishing to light yellow	Yes	2 - 3 secs	None	Round w/jagged trail	Much larger than evening star		Burned up and disintegrated (3)
103	11 Aug	2030 2045 2052 2105 0010	Sev	Unk	Camp Hood, Texas	N to S	45 - 60° above horizon	Generally a level flight	White	Yes	3 - 5 secs	None	Flash like a rocket or training flare	Star size	Faster than any plane observed	Went out like a light (3)
	12 Aug	0010	2	Unk	Killeen Base, Texas	Due W in arc	45° above horizon	Straight & level flight w/ascent descent describing arc	Bluish white	Yes	10 secs	None	Broken circle resembling signal flare	Head size		Sudden disappearance (3)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
105	1949 12 Aug	0445	1	Unk	Killeen Base, Texas	SE to NW	30° above horizon headed down	Headed down	Reddish	Yes	2 - 3 secs	Yes	Trail of flame	Fairly long streak of flame		Faded away	
106	14 Aug	2135	1	R	Alamogordo, New Mexico		Appeared 25° Disappeared at 12°	10 - 15° off vertical	Reddish orange	Yes	2 secs	None	Round	Larger than Venus		Disappeared	(3)
107	20 Aug	2130	2	Unk	Douglas, Arizona	N to S	8,000' - 10,000'	Flat trajectory		None	6 - 10 secs	None	Round to ob-long like in-verted saucer	About size of single engine airplane	3500 to 4500 mph	Disappeared in distance	(2)
108	21 Aug	2115 2150	5	Unk	Nogales, Arizona		45° at low level 90° at high level	Horizontal to earth's surface	Dull orange	None	10 secs	None	Wafer	App size of volley ball	10 times speed of jet planes	Disappeared in space	(1) (3)
109	26 Aug	1345	1	R	Davis-Monthan AFB, Arizona	SE to NW	App. 50,000	Horizontal at 50,000'	Brown-ish hazy color	None	60 secs		Similar to tri-angle with round edges	Est. to be app $\frac{1}{4}$ of inch when observed at 3 ft.	Terrific rate of speed	Faded from view	(2)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
	1949 30 Aug	2300	1	R	Los Alamos, New Mexico	Almost straight fall	90° overhead	Almost straight fall	Bright green w/red-dish tail	Yes	1 - 2 secs	None		Much larger than meteor		Burned out	
111	15 Sep	0025	1	Unk	Albuquerque, New Mexico		30° above horizon		Yellow red		6 secs	None	Round	Size of baseball		Burst & appeared to disintegrate	(1)
112	16 Sep	0230	1	R	Los Alamos, New Mexico	W to E	3,000'	Horizontal	Orange	None	15 secs	None	Ball shape	Larger than falling star	Faster than airplane slower than falling star	Dimmed then disappeared completely	(3)
113	18 Sep	2015	1	Unk	Sandia Base, New Mexico	W to S	45° above horizon		Dark yellow	None	3 - 4 secs	None	Round	Size of baseball		Unknown	(1)
114	19 Sep	0900	2	Unk	Tucson, Arizona	N	App 4000'		Grayish white	None	2 mts	None		2 to 3 ft across	600 mph	Faded from view	(2)
115	27 Sep	0300	1	Unk	Sandia Base, New Mexico	From SE	45° above horizon	Traveling tangent to earth	Bright blue to white	None	4 secs	None	Round	About size of softball at 300 yds.	45° in 4 secs.	Obscured by building	(3)
116	27 Sep	0300	1	Unk	Sandia Base, New Mexico	To the N	10° above horizon		Yellow	Yes	3 - 4 secs	None	Round	Size of baseball at 25 yds.	Same rate as shooting star	Died out	(3)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
117	1949 27 Sep	0300	1	Unk	Sandia Base, New Mexico	SE to NW	15° - 20° above horizon	Traveling in arc toward earth	Bright green	None	2 secs	None	Round	Same size as perimeter fence light at distance of about 200 yds.	45° in 2 secs.	Brightened then went out	
118	27 Sep	0130	1	Unk	Sandia Base, New Mexico	S to N	200° above horizon	Made a gentle arc toward earth	Dark blue	Yes	2 secs	None	Conical w/tail twice its diameter	Looked like a sky rocket	50° in 2 secs.	Burnt out	(3) (1)
119	27 Sep	0130	1	Unk	Sandia Base, New Mexico		45° above horizon	Moving tangent to earth	Green	None	1 sec	None	Round	Fist at arm's length	20° in 1 sec	Burnt out	(3) (1)
120	30 Sep	2257	1	Unk	Sandia Base, New Mexico	S to W	55° to horizon		Yellow orange	None	2 - 3 secs	None		Slightly larger than shooting star	200 - 300 mph		(1)
121	2 Oct	2110	1	R	Los Alamos, New Mexico		20,000 - 30,000'	Went up & then down	Bright green	Yes	3 secs						(1)
122	6 Oct	1745	1	Unk	Mescalero, New Mexico		15 ¹⁰ / ₂ above horizon	Descended in slight arc	Dark green	None	30 secs	None	Round	Big ball		Disappeared behind hills	(1)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
123	1949 6 Oct	1800 1845	1	Unk	Mescalero, New Mexico		18° above horizon		Green	None	7 - 9 secs	None	Round	$\frac{1}{2}$ size of thumb at arm's len- gth	Moving slowly	Disappeared behind a hill	
124	6 Oct	1758	1	R	Alamogordo, New Mexico	E to W		Straight angular descent	Bluish white possi- bly lt. green tinge	None	4 secs	None	Circu- lar	3 times the size of Jupiter or Venus	5° per sec.		(1)
125	6 Oct	1800	1	Unk	Alamogordo, New Mexico		4°20' to 7°5'		Green	None	5 - 6 secs	None	Round	Size of baseball at arm's len- gth			(1)
126	6 Oct	1750	1	R	Albuquerque, New Mexico	E to W		Curved des- cent ap- proaching vertical	Green- ish white	None	1 sec	None	Simi- lar to very flare	$\frac{1}{2}$ size of thumb at arm's len- gth		Abrupt	(1)
127	6 Oct	1750	1	R	Wagon Mound, New Mexico	E to W		Horizontal	Green- ish white	None	3 - 4 secs	None	Round	1 $\frac{1}{2}$ " - 2" in diame- ter	App. that of meteor	Went out like like elec- tric light	(1)
128	6 Oct	1758	1	Unk	Albuquerque, New Mexico	NE to S??		At tail end of its course it arched over and fell	Brilli- ant green	None	10 secs	None	Tear drop			Seemed to burn out	(1)

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129	1949 7 Oct	2120	1	Unk	Albuquerque, New Mexico	Straight vertical drop	35° above horizon		Yellow to green	None	1 sec	None	Round	Half a moon	Dropped 15° in 1 sec	Behind Sandia Mountains
130	10 Oct	0406	1	R	Los Alamos, New Mexico	SE to NE	3,000' above observation pt.	Parallel to surface of earth	Brilliant white	Yes	4 - 5 secs	None		Small	Appeared to be slower than a meteor	Disappeared
131	10 Oct	0107	1	Unk	Sandia Base, New Mexico	W to E	45° above horizon		Bluish green	Yes	15 secs	None	Round	Size of fist at arm's length	Slow	Died out
132	10 Oct	0107	1	Unk	Sandia Base, New Mexico	SW to NE	45° above horizon	Executed dives	Greenish blue w/red sparks trailing	Yes	4 secs	None	Round	Size of fist at arm's length	Slow	Faded out (1)
133	10 Oct	0107	1	Unk	Sandia Base, New Mexico	N to NE	45° above horizon		Green	None	15 secs	None	Round	Size of fist at arm's length	Slow	Burned out (1)
134	11 Oct	2010	6	Unk	Roswell, New Mexico	Appeared moving to N & angling slightly to E		Maneuvered up & down	Light green turned orange	Yes	45 mts	None	Round	Size of baseball		(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
135	1949 11 Oct	1045 1100	2	Unk	Alamogordo, New Mexico	NE to SE	If size of B-29 appeared to be 150,000'		White	None	10-15 secs	None	Round dish shape	2" in dia- meter at arm's length	Very fast compared w/falling star	Faded from view	(1)
136	12 Oct	1115	3	Unk	Roswell, New Mexico	S to NE	3,500'	Smooth arc	White (sil- ver)	None	45-60 secs	None	Round probab- ly ellip- tical		Faster than jet air- craft	Went beyond range of vision	(2)
137	12 Oct	1115	3	Unk	Alamogordo, New Mexico	Appeared from S & veered off to NE	If size of B-29 appeared to be 35,000'	Smooth arc	White or al- uminum	None	45-60 secs	None	Round ball	35,000' 4" in diameter	1,500 mph	Faded from view	(2)
138	12 Oct	1340	4	R	Tucson, Arizona	From NE to SW	30,000'	Horizontal	White or sil- ver	None	15 secs	None	Round	50 - 100' in diameter	1,000 mph	Faded from view	(2)
139	14 Oct	1420	3	R	Los Alamos, New Mexico	W to E	20,000'	Level flight just above horizon	Green- ish blue- white trail	Yes	2 secs	None	Round	Appeared as a 12" disc		Burned out	(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
140	1949 14 Oct	2021	2	R	Albuquerque, New Mexico	N to S		Horizontal	Red orange	Yes	10 secs	None	Round	1/3 - 1/4 size of moon		Broke into 2 pieces & disappeared	(3)
141	14 Oct	1410 1415	1	Unk	Los Alamos, New Mexico	S to N			Front - green & silver Rear - Pale blue	Yes	3 - 4 secs	None		1/8 size of full moon	500 mph or more		(1)
142	21 Oct	2130	1	Unk	Roswell, New Mexico	SE to NW	30° above horizon		Very bright white	None	20-30 mts	None			Unknown		(2)
143	22 Oct	0228	1	R	Los Alamos New Mexico	NW to SE	On horizon		Bright green		2 secs	None		4 times size of a flare	150 mph	Disappeared behind a hill	(1)
144	22 Oct	0220	1	R	Los Alamos, New Mexico	Vertical	50 - 100 ft.		Green		1 sec	None	Like flare	Small		Went out	(1)
145	16 Nov	1950	1	R	Los Alamos, New Mexico	Disappeared to N			2 objects bluish green			None			Stationary but disappeared with speed of meteor	Disappeared from view	(1)
146	19 Nov	2152	1	R	Los Alamos, New Mexico	Vertical			Green then yellow		2 secs	None					(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
147	1949 19 Nov	2152	1	R	Los Alamos, New Mexico	Vertical			Green		2 secs	None				
148	25 Nov	2000	5	R	Los Alamos, New Mexico	E to W	15° - 10° above horizon	Downward 10° from the horizontal	Yellowish green		2 secs	None				Disappeared behind mt.
149	27 Nov	1800	1	Unk	McIntosh, New Mexico	Vertical	Less than 2,000'	Vertical descent	Green	None	1 sec	None	Shaped like a flare	Same as a signal flare	Same as falling signal flare	Same as signal flare (1)
150	27 Nov	1730	1	Unk	Winslow, Arizona	E to W	30° above horizon		Bright blue-white	Yes	3 - 4 secs	None	Egg shape	Egg held at arm's length	3 - 4 secs to cover 15° - 20° of horizon	Dwindled out (1)
151	27 Nov	1749	1	R	Albuquerque, New Mexico	E to W	3° - 5° above horizon	Sloping descent	Blue-white	None	1 - 2 secs	None	Round	Pencil eraser at arm's length	5° - 7° in 1 or 2 secs	Went out then on then out again (1)
152	27 Nov	1749	1	R	Socorro, New Mexico	E to W	10° - 40° above horizon	Arc	Pale green to pale blue	Yes	5 secs	None	Round	Quite large	Slower than meteor	Faded out gradually (1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	
	1949 3 Dec	1805	1	R	Alamogordo, New Mexico	E to W		In an arc downward	Green fringe of orange light	None	2 secs	None	Circular	Somewhat larger than Venus		Disappeared behind building	(3)
154	4 Dec	1935	1	Unk	Albuquerque, New Mexico	E to W		Nearly horizontal	Green	None	2 - 3 secs	None	Round	Marble at arm's length		Went out like a candle	(1) (1)
155	4 Dec	1935	2	Unk	Los Alamos, New Mexico	E to NE		Sloping descent	Green		1/5 sec	Yes	Round			Disappeared behind mt.	(1) (3)
156	5 Dec	1930 1945	3	Unk	Carrizozo, New Mexico		40° above horizon	In dive	Blue-green			None	Tear-drop		Very slow	Disappeared	(1) (3)
	5 Dec	2240	1	Unk	Tularosa, New Mexico	E to W		Smooth arc downward	Blue w/yellowish red toward tail	Yes	1 sec	None	Streak of light	Appeared little longer than length of lead pencil at 6'		Appeared to hit ground near Tularosa, New Mexico	(1) (3)
158	9 Dec	1330	1	Unk	Farmington, New Mexico	Dropping vertically	500 ft.	Vertically down				None	Charred parachute or cargo net			Disappeared	(2)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 29

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
159	1949 13 Dec	2005	3	R	Alamogordo, New Mexico	Stationary then began to move downward slowly and to right	5,000'		White amber red green	None	9 mts	None	Circular	1 - 1½ times size of average st. light at a distance of 8 miles		Object took on brilliant green color, picked up speed and faded from view
160	1950 6 Jan	2230	7	R	Alamogordo, New Mexico	E to W		Up & down and horizontal	White changed to green & red	None	45 mts	None	Star like	Slightly larger than planet Venus	Moved app. 15° to 20° from E to W during 45 mins it was observed	Stopped observation
161	7 Jan	2215	2	Unk	Corona, New Mexico	From SW to SE		Descending	Yellowish white orange blue gr.	Yes	10 secs	None	Round ball shape	Same as cup 6" in diameter at arm's length	Compared w/fast jet fighter	Disappeared behind mt. range
162	9 Jan	2226	1	R	Los Alamos, New Mexico		80° - 40° above horizon	Horizontal	Incandescent green	Yes	2 secs	None	Oval with trail			Disappeared behind trees

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 30

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
163	1960 9 Jan	2220	1	R	Los Alamos, New Mexico	Due W	60° above horizon	Straight course	Bluish white	Yes	2 secs	None	Pointed	Appeared as a point	10° per second	Luminosity stopped suddenly	(1)
164	9 Jan	2225	1	R	Los Alamos, New Mexico		75° - 80° above horizon	Straight line	Greenish white	None	3 secs	None	Round	-4 to -5 compared to Jupiter	25° per second	Behind horizon	(1)
165	12 Jan	1900	3	Unk	Holloman, New Mexico	To W		Changed altitude erratically	White changed to green & red	None	5 mts	None	Star like	About same size of Venus		Discontinued watching	(1) (2)
166	13 Jan	0605	3	Unk	Holloman AFB, New	E to W		Erratically up & down	White changed to green & red	None	Short time	None	Star like	About same size as Venus		Disappeared w/daylight	(3)
167	27 Jan	1715	1	Unk	Scullville, New Jersey	NW		Ascending at about 60° angle	White streak		30 mts				1/2 that of a fireworks rocket at close range	Faded gradually	(2)
168	7 Feb 2015	1950	2	R	Albuquerque, New Mexico	SSE to E	40° - 45° above horizon	Horizontal	Reddish green	Yes	4 - 6 secs	None	Round elongated trail	Twice size of evening star	About same as falling star	Faded out in atmosphere	(1)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 31

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	Evaluation
169	1950 7 Feb	1945 2000	2	R	Between Tucumcari & Kirtland AFB, New Mexico			Flat Trajectory	Fire-ball white	Yes	2 - 4 secs	None			Over 1,000 mph	Faded out suddenly	
170	15 Feb	1530	1	Unk	Sandia Base, New Mexico	From NW to W	45° downward above horizon		Appeared red & green	Yes	30	None	Round	That of a normal marble	Like shooting star trail	Faded out	(1) (3)
171	18 Feb	0510	5	R	Holloman AFB, New Mexico			Climbed	White and orange	None	1 hr 44 mts	None	Round to cone shape	Size of coffee cup at arm's length		Stopped observation	(2)
172	20 Feb	0530	2	Unk	Holloman AFB, New Mexico	Station-	1,000' above 9,000' mt.	Stationary	White	None	5 mts	None	Round	App size of 1/2 dollar held at arm's length	Stationary	Disappeared from view behind cloud	(2)
173	24 Feb	1355	1	R	Albuquerque, New Mexico	To W or SW	20° to 23° above horizon	Straight flight	White	None	1 1/2 mts	None	Round	Compared in size to upper dark portion of moon as it rises in E	1 1/2 mts. to cover 2°		(2)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
174	1950 24 Feb	1400	1	R	Albuquerque, New Mexico	E by SE	About 20° above horizon		Bright white	None	20-30 secs	None	Round	Compared w/size of weather balloon as it disappeared in distance	Very slow	Faded out of sight	
175 ***	24 Feb	1930	1	R	Datil, New Mexico	NW			White changing to red & green	Yes	2 hrs 30 mts	None	Round		1° per 2 mts.	Disappeared	(1) (2)
176	24 Feb	1345	1	Unk	Los Alamos, New Mexico	E then turned W	25,000-30,000'	Straight up	White, kept flashing like mirror in sun	None	20 mts	None			Very fast	Went straight up out of sight	(2)
177	24 Feb	1340	1	Unk	Los Alamos, New Mexico	E to W, W to E then st. up	30,000'	Straight up	Silvery white	None	20 mts	None				Went straight up out of sight	(2)
178	24 Feb	1315	1	R	Los Alamos, New Mexico	Erratic generally NE	20,000-30,000'		Silvery	None	15 mts	None	Saucer shaped	100' across if at 20,000-30,000'	As fast or faster than sound	Disappeared	(2)

***See attached photograph.

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

Page 33

Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance
179	1950 24 Feb	Between 1315 1400	1	R	Los Alamos, New Mexico	Circled then E	Considerable altitude		Aluminum	Yes	2	None	Spherical	Rather large	Erratic	Unknown
180	25 Feb	1545 1555	12	R	Los Alamos, New Mexico	Heading toward ground	30° - 35° above horizon		Flashing silver	None	3 secs to 2 mts	None	Circular like plane fuse- lage	Small airplane	From very slow to very fast	
181	25 Feb	2115	1	Unk	Albuquerque, New Mexico	Toward S	App. 20° above horizon	Almost vertical	Bright green- ish white	Yes	1½ secs	None	Tear- drop	3 times size of a shooting star	Slightly slower than falling star	Appeared to burn out
182	25 Feb	0200	1	R	Datil, New Mexico	NE			White chang- ing to red & green	Yes	30 mts	None	Round		1° per 2 mts	Disappeared behind mountain
183	25 Feb	1410	1	R	Los Alamos, New Mexico	S to N	1 to 3 miles at 30° above horizon		Metal- lic	None	2 mts	None	Oblong	10 - 15'	40 mph	Went below horizon

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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184	1950 25 Feb	1545	1	R	Los Alamos, New Mexico	N to SWS	Very high		White to silver	None	30 secs	None	Circular	About size of 50¢ piece at its height	Very fast	Disappeared into glare of sun	(3)
185	25 Feb	1550	1	R	Los Alamos, New Mexico	S or SW	12,000'		Metallic	None	Few secs	None		As large or larger than average plane	Fast	Faded from view	(2)
186	25 Feb	1545 1555	14	R	Los Alamos, New Mexico	NE to SW	Overhead at from 4 to 10 miles	Traveled w/a fluttering motion	Silver	None	Few secs to 2 mts	None	Round	Vary from 1/4" to small airplane	Very fast 500 - 1500 mph		(2)
187	25 Feb	1655	1	R	Los Alamos, New Mexico	E to W			Shiny silvery		10-15 secs	None	Round	About size of B-25 fuselage	Slow speed	Disappeared behind tree	(2)
188	10 Mar	1800 1830	6	Unk	Phoenix, Arizona	SE	40,000-50,000'	Moved upward at 60° angle	Aluminum or quick silver	Yes	10 mts	None	Oval or ob-long	Size of moon	Extremely high	Disappeared	(2)
189	5 Mar	1135 1300	4	R	Vaughn, New Mexico	Traveled 195°		Straight flight	White	None	1 hr 25 mts	None	Round	Ping pong ball at arm's length	180 to 200 mph	Ceased observation	(2)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal or Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
	1950																
	11 Mar	0100	1	R	Holloman AFB, New	App 270°	About 30° above horizon at distance of 50 miles	Straight flight	Changed from light orange to blood red to amber to light green	None	5 mts	None	Ping pong ball	Ping pong ball held at arm's length		Disappeared from view	(2)
191	16 Mar	1100	10	Unk	Farmington, New Mexico	N to NE		Turned on their axis & maneuvered up & down	Bright luminous as tin foil	None	3 - 5 mts	None	Flat spheroidal	1 to 6"	Faster than conventional aircraft	Discontinued observation	(2)
192	16 Mar	1000	10	Unk	Farmington, New Mexico	NE	Over 20,000'	Skyward at 60°-80°	Bright aluminum	None	30 mts	None	Oval & oblong	1/16" - 1/2"	Faster than conventional aircraft	Gradually disappeared	(2)
193	17 Mar	0310	1	R	Los Alamos, New Mexico	Toward earth		Toward earth	Reddish then green	None	1 sec	None				Appeared to fall to earth	(3)
194	17 Mar	0308	1	R	Los Alamos, New Mexico	NE		Level flight	Greenish yellow	None	3 secs	None	Round	1/4 size of full moon	Moderate	Like light going out	(3)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal to Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	**Evaluation
	1950																
	17 Mar	0307	1	R	Los Alamos, New Mexico	Straight down		Straight down	Orange & green	Yes	2-2 $\frac{1}{2}$ secs	None			Tremendous	Explosion on impact with earth or disintegration	(1)
196	17 Mar	0445	1	R	Los Alamos, New Mexico	Formed an arc		Formed an arc	Green	None	5 secs	None	Round	Quite small	Free fall	Fell toward earth	(2)
197	17 Mar	0310	1	R	Los Alamos, New Mexico			Seemed to climb, change color, start down & disappear	Green turning to yellow	None	5 secs	None	Spherical	$\frac{1}{4}$ size of moon	Moderate	Suddenly	(3)
	17 Mar	0307	1	R	Los Alamos, New Mexico	Earthward		Earthward		Yes	3 secs	None	Round	$\frac{1}{4}$ size of full moon	Extremely fast	Plunged to earth & 2 explosions were noted prior to disappearance	(3)
199	20 Mar	0115	1	Unk	Clovis, New Mexico	From WNW	Above 12,000'		White w/light blue	Yes	1 - 2 secs	None	Spherical		2,000 mph	Disappeared from view	(3)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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200	1950 21 Mar	1320	1	Unk	Sandia Base, New Mexico	E to SW	App 45° above horizon		2 objects silver	None	10 mts	None	Round	App size of dime at arm's length	Excessive to jet flight	Gradually faded from view	(2)
201	21 Mar	1300	1	Unk	Sandia Base, New Mexico	NE to SE	40,000-60,000'		Varied from shiny silver to shady gray	None	30 mts	None	Round	Size of end of thumb at arm's length	About same as jet aircraft	Disappeared	(2)
202	21 Mar	1315	1	Unk	Sandia Base, New Mexico	E	75° above horizon		White	None	5 mts	None	Round	Smaller than fist at arm's length	App. 600 - 700 mph	Disappeared from range of vision	(2)
203	21 Mar	1300 1330	4	Unk	Kirtland AFB, New	SE to S	40° - 50° above horizon	Zig-zag motion up & down	Bright silver	None	1 mt	None	Round	Size of dime at arm's length	About same as fast jet aircraft	Disappeared from range of vision	(2)
204	22 Mar	1100	11	Unk	Kirtland AFB, New Mexico	NW changing to N	25,000 to 30,000'	Horizontal	Tan to brown	None	5 - 6 secs	None	Flying wing	About size of golf ball held at arm's length	Extremely high speed	Disappeared	(2)

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Summary of Sightings of Unknown Aerial Phenomena, 17th District OSI (cont)

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Number	Date	Time	Number of Observers	*Reliability of Observers	General Area of Occurrence	Apparent Direction of Flight	Apparent Altitude	Course Horizontal or Vertical	Color	Train or Trail	Duration of Observation	Sound	Shape	Apparent Size	Apparent Speed	Manner of Disappearance	Evaluation
205	1950 22 Mar	0010	3	Unk	Sandia Base, New Mexico	SE to NW		Line parallel w/line tangent to the earth	Blue center with orange exterior	None	1 1/2 - 3 secs	None	Round like ball from roman candle		1 1/2 secs 30° azimuth	Burned out	
206	1 Apr	0420	1	R	Los Alamos, New Mexico	S to N	75° above horizon		White light	None	1 sec or less	None	Round			Disappeared behind building	
207	17 Apr	1530	10	R	Los Alamos, New Mexico		2,000' above horizon	Maneuvered up & down & from side to side	Light green bright as tin foil	None	20-30 secs	None		1/16" at arm's length		Gradually went out of sight	(1)
	20 Apr	1530	1	R	Los Alamos, New Mexico			Maneuvered up & down	Bright metallic	None	15-30 mts	None	Roughly circular	Est. 9' in diameter	Faster than conventional aircraft	Lost sight of object	(2)
209	1 May	1510	2	Unk	Kirtland AFB, New	SW to NE	Apparently a few thousand feet	Was angling downward	Silver lucid metallic object	None	Not quite a sec	None	Cylindrical		Tremendous	Flash of brilliant white light	(2)

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FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

CC-150

To: COMMUNICATIONS SECTION.

URGENT

10/18/50

Transmit the following message to:

SAC, LOS ANGELES

FLYING SAUCERS. REBUTELS OCTOBER THIRTEEN AND SEVENTEEN LAST.

SUTEL IMMEDIATELY RESULTS OF YOUR INVESTIGATION TO IDENTIFY FRANK

X SCULLY, AUTHOR OF QUOTE BEHIND THE FLYING SAUCERS UNQUOTE.

HOOVER

EHM:jo

Mr. Tolson _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Ladd _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Tracy _____
Mr. Egan _____
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Mr. Mohr _____
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Director, FBI

October 18, 1950

SAC, Knoxville

RADAR DETECTION OF UNIDENTIFIED
OBJECTS OVER OAK RIDGE, October 12,
15, 16, 1950

PROTECTION OF VITAL INSTALLATIONS

0 Flying Saucers

Reamtel October 13, 1950.

There is being submitted herewith a copy of two reports made by District Representative of the OSI, 8th District, U. S. Air Force, with regard to the detection of unidentified objects by the means of radar, as set forth in referenced teletype. These reports continue to set forth additional reports concerning unidentified objects in the air space area over Oak Ridge, Tennessee, which to date have not been explained.

No investigation is being conducted by the Knoxville Office in this matter, but any further information received from OSI or from CIC representatives will be forwarded immediately.

Air Mail

CCM:jaw

65-475

Enc.

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discrepancy
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5/31/77
HP

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1950 NOV 22

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55 NOV 25 1950

FEDERAL BUREAU OF INVESTIGATION

CORRELATION & LIAISON SECTION

Date _____, 1950

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____ Mr. Ladd
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____ Mr. Keay
____ Mr. Bartlett

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____ Mr. Bromwell
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____ Miss Harrington, Room 7229
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____ Reading Room, Room 5531

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UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

passed to Mr. W.

A-2 for study.

ED

~~REPORT OF UNIDENTIFIED AERIAL OBJECTS~~
~~U.S. ATOMIC ENERGY SECURITY SERVICE~~
~~LOS ALAMOS, NEW MEXICO~~

DATE _____, 195____
(Day) (Month)

1. Name of Observer _____
Last First M.I.

Station assigned _____ Section _____

Home Address _____ Telephone _____

Names of other known observers _____

2. Time and date of sighting _____ hours _____ 195____
Day Month

3. Point of observation _____

4. Direction of object from observer _____

5. Distance of object from observer _____

6. Angle of elevation from horizon _____ degrees _____

7. Direction of flight of object _____

8. Time in sight _____

9. Number of objects _____

10. Shape of object _____

11. Projections and/or indentations _____

51 NOV 15 1950

INDEXED - 17

EX - 68

NOT RECORDED

5 OCT 23 1950

257

REPORT UNIDENTIFIED AERIAL OBJECTS (continued)

12. Apparent construction _____

13. Apparent means of support and/or propulsion _____

14. Size of object _____

15. Luminosity of object _____
(Bright, very bright, glaring, etc.)
16. Color of object _____
17. Sound _____

18. Odor _____
19. Speed _____
20. Evidence of trail or exhaust _____

21. Effect on clouds _____
22. Tactics or maneuvers _____

23. Manner of disappearance _____

24. What attracted attention to object _____

25. Additional Remarks of observer _____

REPORT UNIDENTIFIED AERIAL OBJECTS (cont'd)

Observer's signature _____

Title _____

26. Additional remarks of investigator _____

Investigator's signature _____

Title _____

Heim

*any
all*

October 17, 1950

SAC LOS ANGELES

URGENT

FLYING SAUCERS. REBUTEL OCTOBER THIRTEEN LAST. SUTEL RESULTS OF
YOUR INQUIRY TO IDENTIFY FRANK SCULLY.

HOOVER

ERM:MH *mhb*

ABs

CHs

Eh

2

Pho

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

RECORDED - 82

EX-29

62-83894-257
OCT 18 1950

OCT 17 11 34 AM '50
RECEIVED READING ROOM
FBI
U.S. DEPT. OF JUSTICE

101 5 - 350

TELETYPE
56 OCT 26 1950
457

12-32 p JAK

olson _____
add _____
egg _____
avin _____
chois _____
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cy _____
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ont _____
Room _____

COPIES DESTROYED
270 NOV 23 1964

JK

men

o Flying Saucers

(SAUCER)

DENVER--A CONSTRUCTION WORKER AT LOS ALAMOS, N.M., HAS REPORTED THAT A STRANGE "BLINKING OBJECT" SOARED OVER A HIGHLY RESTRICTED AREA OF THE BIG ATOMIC ENERGY CENTER.

LEE ROBINSON OF THE ARMEX CONSTRUCTION COMPANY SENT THE DENVER POST A COPY OF A MIMEOGRAPHED FORM WHICH HE USED TO REPORT THE OBJECT TO THE AEC.

THE FORMS ARE PREPARED BY THE AEC FOR "REPORTS OF UNIDENTIFIED AERIAL OBJECTS AT LOS ALAMOS."

THE ORIGINAL THREE-PAGE REPORT, ROBINSON SAID, WAS SUBMITTED TO THE ATOMIC ENERGY SECURITY SERVICE SEPT. 12., THE DAY ROBINSON AND EIGHT OTHER EMPLOYEES OF THE ARMEX COMPANY SAY THEY SAW THE OBJECT.

ROBINSON SAID HE AND THE OTHERS WERE EATING LUNCH WHEN THE UNIDENTIFIED OBJECT PASSED OVER. HE SAID IT "WAS NOT A BALLOON OR A CONVENTIONAL TYPE OF AIRCRAFT."

ROBINSON SAID THE OBJECT APPEARED TO BE AT AN ALTITUDE OF ABOUT 20,00 FEET. IT ALTERNATELY FLASHED BRIGHT AND BLACK AT INTERVALS OF TWO SECONDS, HE SAID, AND WAS VISIBLE FOR THREE MINUTES AND 40 SECONDS.

THE SPECIALLY MIMEOGRAPHED FORMS INDICATED THE AEC IS HIGHLY CONCERNED WITH UNIDENTIFIED AERIAL OBJECTS OVER THE PROJECT. THE FORMS CONTAIN SPACES FOR INFORMANTS TO REPORT ON LUMINOSITY OF OBJECT, APPARENT MEANS OF SUPPORT AND PROPULSION AND "ODOR" OF THE OBJECT.

10/7--E1008A

Q8
Edm
Moss

Green Machine
Spinky

file 534

2

~~62-83894~~
NOT RECORDED
5 OCT 23 1950

Jas

55 NOV 14 1950

Office Memorandum • UNITED STATES GOVERNMENT

TO : MR. LADD *JS*

FROM : A. H. BELMONT

SUBJECT: FLYING SAUCERS

DATE: October 19, 1950

Tolson ☒

Ladd ☐

Clegg ☐

Glavin ☒

Nichols ☒

Rosen ☐

Tracy ☐

Harbo ☐

Belmont ☐

Mohr ☐

Tele. Room ☐

Nease ☐

Gandy ☐

DATA ✓

The matter of flying saucers was discussed by Special Agent Edward S. Sanders with Major General Joseph F. Carroll of OSI on October 16, 1950, at which time General Carroll advised that insofar as he has been able to determine the Air Force is not working on any type of "flying saucer" or "flying disk". General Carroll stated that the Air Force is working on high altitude rockets and jet aircraft. He stated these experiments may account for some of the reports concerning flying saucers but that the Air Force is not apparently working on anything which is the cause of the many flying saucers reports. He stated that the Air Force program for investigating reports concerning flying saucers, etc., has been reinstituted at Wright Field and that any pertinent information of interest coming to his attention will be furnished to the Bureau.

RECOMMENDATION:

The foregoing is for your information.

ESS:ilw

WPK

90

RECORDED - 38

OCT 24 1950

EX-105

50 OCT 30 1950

RECEIVED-LADD

F B I

U. S. DEPT. OF JUSTICE

Oct 19 4 02 PM '50

Oct 19 3 33 PM '50

RECEIVED DIRECTOR
F B I
RELATION - LIAISON
U. S. DEPT. OF JUSTICE

REC'D BELMONT
F. B. I.
DEPT. OF JUSTICE

Oct 19 2 11 PM '50

RECEIVED-NICHOLS
F B I
U. S. DEPT. OF JUSTICE
Oct 20 1 06 PM '50

Oct 20 10 51 AM '50

RECEIVED-TOLSON
F B I

U. S. DEPT. OF JUSTICE

OLDS WINDING • RAILLED LIVER CO. DEPT. OF JUSTICE

RECORDED - 19

November 24, 1950

62-83894-260

EX-16

To: Director of Special Investigations
The Inspector General
Department of the Air Force
The Pentagon
Washington, D.C.

Declassified
2018
8/31/77
HM

From: J. Edgar Hoover, Director, Federal Bureau of Investigation
Subject: FLYING DISCS

Mr. Aaron L. Hitchens, Chemical Engineer in charge of the Chemical and Physical Laboratories of the Winchester Repeating Arms Company, 275 Winchester Avenue, New Haven, advised the New Haven Office of this Bureau that on Friday, October 20, 1950, he, his wife, and daughter, who reside at 495 Edgewood Avenue, New Haven, went out of their home into the back yard at approximately 6:15 p.m. His young daughter called his attention to a star which was moving, and Mr. Hitchens noted a sphere-like object directly overhead that gave a steady golden-orange glow. He stated that this object was very high, being between ten to twenty thousand feet high, possibly higher. The glow given off was very steady, not blinking, and the whole sphere itself glowed in about the same consistency. He witnessed this object for approximately twenty seconds, during which time it traveled in a westerly direction toward New York City. It then veered in a southerly direction, as if crossing Long Island, or possibly in such a direction that it might have been traveling over Long Island. He lost sight of this object as it disappeared behind trees.

He advised the size of the object was approximately ten times the diameter of Venus, which was shining very brightly that night. He stated it was a very clear night and that all the stars in the sky were twinkling, as compared to the steadiness of the glow given off by this object. He advised that the object did not appear to diminish in size as it traveled farther away, but appeared to maintain about the same size as when he first

EHM: eas

59 NOV 29 1950

MAILED 8
NOV 25 1950
COMM - FBI

Alh
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CHS
EH

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8/13/78
[Signature]
[Signature]
[Signature]

EX-16

U.S. DEPT. OF JUSTICE
B I
RECEIVED-H-1 ROOM
JAN 24 3 40 PM '75

20 NOV 8 0 1950
NOV 8 1950
NOV 8 1950

noticed it directly overhead. The same steady orange glow persisted during the entire time that he witnessed it. Although this object was actually cut from his sight by nearby trees, Mr. Hitchens stated that it was so far away at that time that he probably would have lost sight of it very shortly. The object made no sound whatsoever, and there seemed to be no attachments or projections of any kind. Mr. Hitchens stated the object was a complete circular ball. He had no idea as to the method of propulsion, but advised that at the time it seemed to change directions, probably over New York City, and that it seemed to back up and go forward, possibly two or three times, in order to execute a change of direction. There were no clouds in the sky which interfered with his vision, and he could not comment as to whether or not this object penetrated or circumvented clouds. The object left no trail of any kind, and Mr. Hitchens mathematically calculated its speed at between 400 and 700 miles per hour, depending on the height, which he stated he could not accurately compute. He advised that he could not recall any odors and had no idea as to the construction of the object.

To Mr. Hitchens' knowledge, the only other persons in this area to have witnessed the object were his wife and daughter. Immediately upon sighting the object, Mrs. Hitchens ran to the door of neighbors occupying the same house as the Hitchens to bring them to the yard. However, these neighbors did not witness the object, since it disappeared before they got outside.

Mr. Hitchens stated that he is a Chemical Engineer and has fifteen years of experience in research and development. He is not a pilot, but has done considerable flying, and has also done considerable reading, including technical data concerning flying saucers and discs. He understands from reading the above matters that the star Venus is often mistaken by observers for flying saucers, and he pointed out that he feels that he is familiar with astronomy and did not confuse the object he saw with Venus, since he also recalled seeing Venus in the sky on that particular evening, and compared the size of this object as being ten times Venus' diameter. He also stated that he computed the speed at which this object was traveling by using points in his area, such as roof tops and tree tops, together with the distance he walked on the ground in order to keep the object in sight.

Upon receiving the above information from Mr. Hitchens, he was advised that this Bureau would turn the information over to another Government agency. Mr. Hitchens indicated his approval of this action, but specifically requested that no public announcement or comment be given to the fact that he had reported seeing the above object.

The above information has been furnished to your office for your confidential information and assistance in connection with the captioned matter. It is requested that no dissemination be made of this information.

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI

DATE: November 9, 1950

FROM : SAC, NEW HAVEN

SUBJECT: FLYING DISCS
AARON L. HITCHENS, INFORMANT

The following is being brought to the attention of the Bureau so that it may be referred to the Department of the Air Force in connection with instructions set forth in SAC Letter No. 38, Series 1949, dated March 25, 1949.

Mr. AARON L. HITCHENS, Chemical Engineer in charge of the Chemical and Physical Laboratories of the Winchester Repeating Arms Co., 275 Winchester Avenue, New Haven, was interviewed in connection with other official business and furnished the following information:

He advised that on Friday, October 20, 1950, he and his wife and daughter, who reside at 495 Edgewood Avenue, New Haven, went out of the back door of their home to the back yard at approximately 6:15 P.M. His little daughter called his attention to a star in the sky that was moving and Mr. HITCHENS noted a sphere-like object directly overhead which gave a steady golden orange glow. He stated that this object was very high between ten to twenty thousand feet, possibly higher. The glow given off was very steady and not blinking and the whole sphere itself glowed in about the same consistency. He witnessed this object for approximately twenty seconds during which time it traveled in a westerly direction toward New York City and then when Mr. HITCHENS believed that possibly it was near or over New York City, it then veered in a southerly direction as if crossing Long Island or possibly in such a direction that it might have been traveling over Long Island. He lost sight of this object as it disappeared behind trees in his vicinity. He advised that as to the size of the object, it was approximately ten times the diameter of Venus, which was shining very brightly that night. He states it was a very clear night and that all the stars in the sky were twinkling as compared to the steadiness of the glow given off by this object. He advised that the object did not appear to diminish in size as it traveled farther away from him but appeared to maintain about the same size as when he first noticed it directly overhead. The same steady orange glow persisted during the entire time that he witnessed it. Although this object was actually cut from his sight by nearby trees, Mr. HITCHENS states that it was so far away from him any way that he probably would have lost sight of it very shortly due to distance had the trees not intervened. The object made no sound whatsoever

MHF:FGM

RECORDED - 102-

INDEXED

102

NOV 13 1950

8

EX-89

FIVE

E.H.M.
Mossley

Reid 11/9/50

Lester 11/14/50
E.H.M.

RECEIVED
NOV 17 3 47 PM '51
INTERNAL SECURITY - SN
F B I
U. S. DEPT. OF JUSTICE
RECEIVED
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U. S. DEPT. OF JUSTICE

11/9/50

and there seemed to be no attachments or projections of any kind, just a complete circular ball. He had no idea as to the method of propulsion but advised that at the time it seemed to change directions, probably over New York City, that it had seemed to back up and go forward, possibly two or three times in order to execute a change of direction. There were no clouds in the sky that interfered with his vision of this object and he could not comment as to whether or not this object penetrated or circumvented clouds. The object left no trail of any kind and Mr. HITCHENS mathematically calculated its speed at between four hundred and seven hundred miles per hour, depending on the height which he stated he could not accurately compute. He advised that he could not recall any odors and had no idea as to its construction. To his knowledge the only other persons in this area to have witnessed this object were his wife and daughter. Immediately upon sighting the object, his wife ran to the door of neighbors occupying the same house as the HITCHENS to bring them to the yard. However, these neighbors had not witnessed the object as by the time they got outside the object had disappeared.

Mr. HITCHENS stated that he is a Chemical Engineer, has fifteen years of experience in research and development. He is not a pilot but has done considerable flying and has also done considerable reading, including technical data concerning flying saucers and discs. He understands from reading the above matters that the star Venus is often mistaken by observers for flying saucers and he pointed out that he feels that he is familiar with astronomy not to confuse the object he saw with Venus as he also recalls Venus in the sky on that particular evening and compared the size of this object as being ten times Venus' diameter. He also states that he computed the speed at which this object was traveling by using points in his area, such as, roof tops and tree tops together with the distance he walked on the ground in order to keep the object in sight.

Mr. HITCHENS was advised that the Bureau would turn this information over to another agency and indicated that this was according to his approval. He specifically requested that no public announcement or comment be given to the fact that he had reported seeing the above object. Mr. HITCHENS appeared to be a very reliable and sincere individual and evidences considerable technical knowledge and experience in reporting the above incident.

DIRECTOR, FBI

November 9, 1950

SAC, NEW HAVEN

FLYING DISCS

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MHF:FGM

11/9/50

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Mr. HITCHENS stated that he is a Chemical Engineer, has fifteen years of experience in research and development. He is not a pilot but has done considerable flying and has also done considerable reading, including technical data concerning flying saucers and discs. He understands from reading the above matters that the star Venus is often mistaken by observers for flying saucers and he pointed out that he feels that he is familiar with astronomy not to confuse the object he saw with Venus as he also recalls Venus in the sky on that particular evening and compared the size of this object as being ten times Venus' diameter. He also states that he computed the speed at which this object was traveling by using points in his area, such as, roof tops and tree tops together with the distance he walked on the ground in order to keep the object in sight.

Mr. HITCHENS was advised that the Bureau would turn this information over to another agency and indicated that this was according to his approval. He specifically requested that no public announcement or comment be given to the fact that he had reported seeing the above object. Mr. HITCHENS appeared to be a very reliable and sincere individual and evidences considerable technical knowledge and experience in reporting the above incident.

FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

OCT 13 1950

TELETYPE

SAC, KNOXVILLE

10-13-50

8-26 PM JYC

DIRECTOR, FBI

U R G E N T

Flying Saucers
9 RADAR DETECTION OF UNIDENTIFIED OBJECTS OVER OAK RIDGE OCTOBER TWELVE,
NINETEEN FIFTY, PROTECTION OF VITAL INSTALLATIONS. USAF RADAR INSTALL-
ATION AT KNOXVILLE AT ELEVEN TWENTYFIVE PM, EST, OCTOBER TWELVE, PICKED
UP INDICATIONS OF ELEVEN OBJECTS AND PERHAPS MORE TRAVELING ACROSS
CONTROLLED AREA OF ATOMIC ENERGY INSTALLATION AT OAK RIDGE. ALTITUDE
OF OBJECTS VARIED FROM ONE THOUSAND TO FIVE THOUSAND FEET, COURSES
FROM SOUTH SOUTH EAST TO SOUTHEAST, AND DENSITY FROM READING MADE BY
LIGHT AIRCRAFT TO AIRCRAFT EQUAL IN SIZE TO C FORTY SEVEN, SPEED
FROM ONE HUNDRED TO ONE HUNDRED TWENTYFIVE MILES PER HOUR. FIGHTER
PLANE ATTEMPTED TO INTERCEPT IN FEW MINUTES AND RADAR SCREEN REFLECTED
CONTACT, BUT PLANE REPORTED NO OBJECT COULD BE SEEN EITHER VISUALLY
OR ON PLANES RADAR SCREEN. AEC PATROL WAS ALERTED BUT NO OBJECTS COULD
BE VISUALLY SIGHTED BY THEM OVER THE AREA OTHER THAN THE AIR
FORCE INTERCEPTOR. OSI AND EASTERN AIR DEFENSE FORCES HAVE BEEN
ADVISED AND ARE CHECKING INCIDENT. NO REASONABLE EXPLANATION FOR
RADAR READINGS YET DEVELOPED ALTHOUGH OPERATORS ARE EXPERIENCED
RELIABLE PERSONNEL AND RADAR SET IS IN PERFECT OPERATING CONDITION.
BUREAU WILL BE ADVISED OF FURTHER DEVELOPEMENTS.

ROBEY

ACK AND HOLD PLS

8-31 PM OK FBI WASH DC GAR

INDEXED - 15

62-83894-261
NOT RECORDED
9 1950 NOV 22

INITIALS ON ORIGIN

55 DEC 7 1950

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

DEC 5 1950

TELETYPE

FBI WASHINGTON DC

12-5-50

4-47 PM

GAR

SAC, KNOXVILLE

URGENT

Flying Saucers
DETECTION OF UNIDENTIFIED OBJCXXX OBJECTS OVER OAK RIDGE AREA, PROTECTION
OF VITAL INSTALLATIONS. REURTEL DECEMBER FOUR LAST REGARDING POSSIBLE
RADAR JAMMING AT OAK RIDGE. ARRANGEMENTS SHOULD BE MADE TO OBTAIN
ALL FACTS CONCERNING POSSIBLE RADAR JAMMING BY IONIZATION OF PARTICLES
IN ATOXXX ATMOSPHERE. CONDUCT APPROPRIATE INVESTIGATION TO DETERMINE
WHETHER INCIDENT OCCURRING NORTHEAST OF OLIVER SPRINGS, TENNESSEE,
COULD HAVE HAD ANY CONNECTION WITH ALLEGED RADAR JAMMING. SUTEL
IMPORTANT DEVELOPMENTS.

HOOVER

NNND

CORRECT LAST WORD FIRST LINE PLS

PROTECTION

OK D FBI KX OLO

162-83894-
NOT RECORDED
1950 DEC 20

ORIGINAL COPY FILED IN 65-58300-141

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

DEC - 8 1950

TELETYPE

Mr. Tolson _____
Mr. Clegg _____
Mr. Glavin _____
Mr. Nichols _____
Mr. Rosen _____
Mr. Tracy _____
Mr. Harbo _____
Mr. Belmont _____
Mr. Mohr _____
Tele. Room _____
Mr. Nease _____
Miss Gandy _____

FBI, RICHMOND 12-8-50 12-09 PM MEW

DIRECTOR URGENT

RE FLYING SAUCERS. THIS OFFICE VERY CONFIDENTIALLY ADVISED BY ARMY INTELLIGENCE, RICHMOND, THAT THEY HAVE BEEN PUT ON IMMEDIATE HIGH ALERT FOR ANY DATA WHATSOEVER CONCERNING FLYING SAUCERS. CIC HERE STATES BACKGROUND OF INSTRUCTIONS NOT AVAILABLE FROM AIR FORCE INTELLIGENCE, WHO ARE NOT AWARE OF REASON FOR ALERT LOCALLY, BUT ANY INFORMATION WHATSOEVER MUST BE TELEPHONED BY THEM IMMEDIATELY TO AIR FORCE INTELLIGENCE. CIC ADVISES DATA STRICTLY CONFIDENTIAL AND SHOULD NOT BE DISSEMINATED.

AUERBACH

DEC 13 1950

RECORDED - 81

EX-46

12-11 PM OK FBI WA NRJ

65 DEC 19 1950

cc Hennrich

W/ps
Sander adv
res request from
END ACK
11/8

62-83894-060

5-2H

REC'D BELMONT

F.B.I.

DEPT OF JUSTICE

DEC 9 1 05 PM '50

DEC 8 5 48 PM '50
RECEIVED-TOLSON
F B I
U S DEPT OF JUSTICE

DEC 8 12 34 PM '50
REC'D BELMONT
F.B.I.
DEPT. OF JUSTICE

DEC 9 1 51 PM '50
RECEIVED
F.B.I.
U.S. DEPT. OF JUSTICE

DEC 9 10 37 AM '50

RECEIVED-NICHOL
F B I
U S DEPT OF JUSTICE

RECEIVED-LADD
F B I
U S DEPT OF JUSTICE
DEC 9 9 07 AM '50
DEC 8 12 11 PM '50
U.S. DEPT. OF JUSTICE
CORRELATION - LIAISON
F.B.I.
U.S. DEPT. OF JUSTICE
RECEIVED TELETYPE UNIT
DEC 11 9 22 AM '50

RECEIVED
DEC 12 11 46 AM '50
REC'D ESPIONAGE
RECEIVED
U.S. DEPT. OF JUSTICE
DEC 8 3 39 PM '50
U.S. DEPT. OF JUSTICE

DIRECTOR, FBI

~~CONFIDENTIAL~~

November 4, 1950

SAC, KNOXVILLE

declassified
2040
8/31/77
Hm

DETECTION OF UNIDENTIFIED OBJECTS
AT OAK RIDGE, October 20, 23, 24, 26, 1950
PROTECTION OF VITAL INSTALLATIONS

Flying Saucers

Re my let October 18, 1950.

Submitted herewith is copy of CIC reports on above caption matter. Further information as received will be forwarded to Bureau.

Encl. (Air Mail)
CCM:JF
65-475

ORIGINAL COPY FILED IN 65-54400-137

62-83894-✓

NOT RECORDED
98 1950 NOV 22

DEC 2 1950

INITIALS ON ORIGINAL

CLASSIFIED
INCOMING
MESSAGE

~~CONFIDENTIAL~~

DEPARTMENT OF THE ARMY
STAFF COMMUNICATIONS OFFICE

RECEIVED FROM G-2 THROUGH LIASON CHANNELS

DATE 12/15/50 *CurB*

~~CONFIDENTIAL~~
PRIORITY.

PARAPHRASE NOT REQUIRED

FROM: CGUSARAL FT RICHARDSON ALASKA FROM ARCSI

TO: DEPTAR WASH DC FOR ACOPS G2

DTG: 150345Z

15 DEC 50

Flying down

Alas Air Comd reports military jet pilots vic Fairbanks while over Weeks International Field at an altitude of 8000 feet observed a flash of light, yellow in color at an altitude between 25,000 and 30,000 feet. Horizontal distance to object was aprx 50 miles. Soon after flash a dark brown smoke appeared to rise or climb at an angle of 40 degrees. At the leading edge of the smoke at aprx 100 feet appeared an object either cigar shaped or a fuselage without wings travelling at terrific speed. Pilots started pursuit on heading of 210 degrees mag, indicating 380 at a very steep climb. Pursuit continued until pilots reached village of clear and lost sight of object. Meantime object gained altitude and speed and disappeared because of distance of aprx 50 to 55,000 feet. Color of smoke brown, color of object dark and no reflection from sunlight. Pilots assured of shape because of perfect silhouette against the sun. One pilot had object in view aprx 4 1/2 mins. First sighted at 150026Z. Coordinates 64 degs 13 mins North, 149 degs 30 mins West. Add info will be fwd when obtained.

DECLASSIFIED

Authority:

NND 90986

NOT RECORDED

37 DEC 21 1950

ACTION: G2.

INFO: G3, AF

CM IN 932

(15 Dec 50) DTG: 150345Z rvk/7

141 DEC 15 50

27

OCS FORM 1 JAN 50 270-1

DEC 27 1950

~~CONFIDENTIAL~~

COPY NO.

62-83894-263

CHANGED TO

100-2244-8

343
5 JAN 26 1951

7 - MAR 2 1951

62-83894 - 264

CHANGED TO

62-93979 - 1

C

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR FBI
 FROM : SAC KNOXVILLE

DATE: 2-10-51

SUBJECT: UNIDENTIFIED OBJECTS OVER
 OAK RIDGE AREA, PROTECTION
 OF VITAL INSTALLATIONS

4K FLYING SAUCERS
 Re Knoxville letter dated 12-13-50.

CONFIDENTIAL

For information of the Bureau, the below listed copies of
 CIC, G-2 Third Army, pertaining to captioned matter are
 forwarded herewith.

Report of SAC WILLIAM B. GRAY, CIC, dated 1-2-51, entitled
 "Object Sighted Over Oak Ridge, Tennessee."

CIC reports dated 1-20-51, entitled. "Objects Sighted Over
 Oak Ridge, Tennessee".

Enclosures - 2
 65-475
 CCM/wj

G. I. R. -7

APPROPRIATE AGENCIES
 AND FIELD OFFICES
 ADVISED BY ROUTING
 SLIP(S) OF 2040
 DATE 9/1/77

RECORDED - 42

FEB 18 1951

DECLASSIFIED

Authority:

NND 90986

Mr. Tolson _____
 Mr. Ladd _____
 Mr. Glavin _____
 Mr. Nichols _____
 Mr. Rosen _____
 Mr. Tracy _____
 Mr. Harbo _____
 Mr. Belmont _____
 Mr. Mohr _____
 Tele. Room _____
 Mr. Nease _____
 Miss Gandy _____

62 FEB 19 1951

UNRECORDED COPY FILED IN 65-

~~CONFIDENTIAL~~
SUMMARY OF INFORMATION

COPY/wj
2-10-51

111th CIC, FAO # 8, P. O. Box 379, Knoxville, Tennessee.

OBJECT SIGHTED OVER OAK RIDGE,
TENNESSEE.

(In compliance with letter AJACI-360.33 General, dated 15 November 1950, Headquarters, Third Army. SUBJECT: Unconventional Aircraft, the following is submitted.)

A. Location and Time of Sighting:

Between 0820 and 0830 hours on 18 December 1950, on the Turnpike, within the controlled area, approximately one (1) mile from the White Wing entrance and Y-12 plant.

B. Weather at the Time:

At 0730 hours - wind from the Northeast, seven (7) miles per hour; temperature - 20 degrees F. according to the Atomic Energy Commission Meteorological Division.

C. Names, Occupations, and Addresses of Witnesses:

Dr. A. J. Miller, 518 Delaware Avenue, Oak Ridge, Tennessee.
Dr. V. P. Calkins, 105 Disston Road, Oak Ridge, Tennessee.
Mr. J. Frank Coneybear, 119 Meadow Road, Oak Ridge, Tennessee.
Mr. A. O. Mooneyham, 101 Dewey Road, Oak Ridge, Tennessee.
Mr. F. T. Bly, 221 Villanova Road, Oak Ridge, Tennessee.
Lt. Col. John R. Hood, U.S.A.F., 200 Virginia Road, Oak Ridge, Tennessee.
Cdr. E. W. Hribar, U.S.M., 103 Norris Lane, Oak Ridge, Tennessee.
Maj. Walter L. Carss, U.S.A.F., NEPA Division, Fairchild Engine and Airplane Corporation, Oak Ridge, Tennessee.

D. Photographs of Objects, if available:

None.

E. Object Sighted:

A light emanating in the shape of a circle, of an intensity much greater than that of a bright moon, giving the impression of form in connection with the light. The light was white in appearance and did not show any signs of refraction into a band or continuous spectrum. This object was traveling in a Northwesterly direction, 15 to 30 degrees elevation above the horizon, and appeared to diminish considerable in size during thirty seconds of observation. To another group, the object appeared only as a bright reflection of the sun from an apparently metal surface. No accurate estimate of the object's size or range could be made from the observation.

F. Any other pertinent information:

Following is quoted from the Radar Log maintained by the McGhee Tyson Air Force Radar Station:

62-83894-265
ENCLOSURE

2 January 1951

111th CIC, FAO #8, P. O. Box 379, Knoxville, Tennessee.

OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE.

F. (Continued)

"0832 hours - Atomic Energy Commission reported aircraft over Northeast end of area - no paint. (Paint meaning indication on the radar scopes.)

"0839 hours - Small paint near Southeast corner of area on 190 degree. (Magnetic bearing of objects travel.)

"0845 hours - Lost contact. Fighter interception was attempted with negative results."

Attached hereto are two certified true copies of the statements made by the above mentioned observers.

Attachments - 2

STATEMENT

Following is a report of the sighting of an unidentified object in the Oak Ridge Area by the undersigned. On the morning of 18 December 1950, the following personnel were riding to their work at NEPA Division, Fairchild Engine and Airplane Corp., in the S-50 Area at Oak Ridge, Tennessee:

Lt. Col. John R. Hood, USAF
Cdr. E. W. Hribar, USN
Major James L. Steele, USAF
Jamor Walter L. Carss, USAF
Mr. James R. Gray
Mr. William G. Frey

Mr. Gray, Commander Hribar, and Major Steele were riding in the front seat; Col. Hood, Major Carss, and Mr. Frey were in the rear.

At approximately 0827, while riding southwest on the turnpike just outside the restricted area, Col. Hood sighted a very bright reflection through the windshield of the car. Major Carss, who was sitting beside Col. Hood and whose attention was attracted by Col. Hood's looking at the sky, sighted the same reflection. Col. Hood then called the attention of the remaining occupants of the car to the reflection. Of these, Commander Hribar also sighted the reflection, but Mr. Gray, Mr. Frey, and Major Steele did not sight it.

The reflection was visible through the front windshield of the car only for a moment because, shortly thereafter, the road turned to the right. The corresponding turn of the car so placed the relative position of the reflection that it could not be seen through the left front window, which was frosted. The windshield, however, was not frosted and permitted excellent vision.

The object appeared only as the bright reflection of the sun from an apparently metal surface, much as might be expected from an aircraft at a great distance. No accurate estimate of the objects size or range could be made from the observation. It appeared to be west-southwest of Oak Ridge Townsite at an angle of elevation of about 25 degrees from the level.

s/John R. Hood, Jr.

s/Edward W. Hribar

s/Walter L. Carss

t/JOHN R. HOOD, JR., Lt. Col. USAF

t/EDWARD W. HRIBAR, Commander, USN

t/WALTER L. CARSS, JR., Major, USAF

CERTIFIED TRUE COPY:

WILLIAM B. GRAY, SAC, Knoxville, Tenn

~~CONFIDENTIAL~~

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18 U. S. C., Sections 793 and 794. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

December 28, 1950

SUBJECT: Visual Observation on December 19, 1950

TO: Mr. William G. Frey
Assistant to the AF Plant
Representative for Security
Office of the AF Plant Representative
Air Material Command
NEPA Division
Fairchild Engine and Airplane Corporation
Post Office Box E
Oak Ridge, Tennessee

1. On December 18, 1950, at sometime between 0820 and 0830, the following NEPA employees were riding in a vehicle on the Turnpike within the Controlled Area toward the NEPA Project approximately one mile short of the "Y" cutoff to White Wing entrance and Y-12:

Dr. A. J. Miller
Dr. V. P. Calkins
Mr. J. Frank Coneybear
Mr. A. O. Mooneyham
Mr. F. T. Bly

2. The passengers, with the exception of Dr. Calkins, who did not attempt to participate in the viewing, observed a light emanating in the shape of a circle, of an intensity much greater than that of a bright moon, through the windshield of the vehicle. The viewers had the impression that there was form in connection with the light rather than merely a point source. The light was white in appearance and did not show any signs of refraction into a band or continuous spectrum. It appeared to be from 15 to 30 degrees elevated above the horizontal and on an azimuth between west and northwest, and appeared to be traveling in a northwesterly direction. The impression of its traveling is due to the fact that the object appeared to diminish considerably in size during the approximate thirty seconds during which it was viewed. The vehicle remained in motion and in following the course of the road, changed its relative position so that the object was viewed during the last few seconds from the side windows. As the vehicle proceeded down the road a near-by ridge obstructed the view of the object, and although the vehicle completed the turn toward K-25 at the "Y" intersection

~~CONFIDENTIAL~~

Fairchild Engine and Airplane Corporation
NEPA Division, P. O. Box 415, Oak Ridge, Tenn.

~~CONFIDENTIAL~~

Mr. William G. Frey
Assistant to the AF Plant
Representative for Security

December 28, 1950
Page 2

Subject: Visual Observation on
December 18, 1950

and the passengers had a relatively clear view at points along the road, the object was not viewed again. The observers were unable to estimate approximate size, speed, or vertical elevation; and, therefore, were not certain whether the object was over the Controlled Area or a considerable distance away. There was no vapor trail or any other visible condition within the vicinity of the object and there were no clouds which could have obscured it. The observers were unable to identify the object in terms of mass or shape, other than the circular appearance of the light. However, the circular area appeared to darken, starting at approximately 7:00 to 9:00 o'clock along the perimeter and continuing to darken along the perimeter and inner area until the light was concentrated in approximately 1:00 to 3:00 o'clock position of a very small diameter, at which point it appeared somewhat similar to a large star.

3. The observers were not in complete agreement as to whether the object was moving at a speed which caused it to diminish in size or actually was diminishing in size without any great velocity of travel due to the darkening effect described above.

NEPA Division
FAIRCHILD ENGINE AND AIRPLANE CORPORATION

s/ Gene A. Goedjen

t/ GENE A. GOEDJEN
Plant Protection Manager

GAG:VM

~~CONFIDENTIAL~~

Fairchild Engine and Airplane Corporation
NEPA Division, P. O. Box 415, Oak Ridge, Tenn.

CERTIFIED TRUE COPY:

WILLIAM B. GRAY, SAC, Knoxville, Tenn.

20 January 1951

111th CIC Detachment, FAO #8, P.O. Box 379, Knoxville, Tennessee

**OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE**

(In compliance with letter AJACT-360.33 General, dated 15 November 1950. Headquarters, Third Army, Subject; Unconventional Aircraft, the following is submitted.)

- A. Location and Time of Sighting: On 1247 hours on 20 December 1950.
- B. Weather at Time of Sighting: At 1200 hours on 20 December 1950; Ceiling - 2700 feet; broken overcast; Seven miles visibility; Temperature - 37 degrees F; Dew Point - 31 degrees; and Wind - Calm.
- C. Names, Occupations, and Addresses of Witnesses: Personnel of the 663rd AC & C Squadron, and the 5th AN Fighter Squadron, McGhee Tyson Airport, Knoxville, Tennessee
- D. Photographs of Objects, if available: None
- E. Object Sighted: The radar log of the 663rd AN and C Squadron, McGhee Tyson Airport, Knoxville, Tennessee contained the following entry: "20 December 1950. 1247 hours. Small paint in area (Oak Ridge Controlled Area). Very, very slow. Made perfect intercept (with F-82 Fighter aircraft) and orbit surrounding small smoke cloud."
- F. Any other pertinent information: This report is made because of its possible aid in determining the identity of the numerous unidentified objects sighted over Oak Ridge, Tennessee

SOURCE: Personnel of 663rd AC & W, Squadron, McGhee Tyson, Knoxville, Tennessee, and the log of the 663rd AC&W Squadron.

62-83894-265
ENCLOSURE

ORIGINAL FILED IN

20 January 1951

111th SIG Detachment, FAO #8, P.O. Box 379, Knoxville, Tennessee

**OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE**

(In compliance with letter AJAGI-360.33 General, dated 15 November 1950, Headquarters, Third Army, Subject: Unconventional Aircraft, the following is submitted.)

- A. Location and Time of Sighting: From 1605 hours for about three (3) hours, on 14 December 1951, on the Radar Scopes of the 663rd AC and W Squadron, McGhee Tyson Airport, Knoxville, Tennessee.
- B. Weather at the Time: At 1600 hours on 14 December 1950--"Ceiling-2100 feet; Broken overcast; Seven (7) miles visibility; Temperature- 37 degrees F.; and Wind - Southwest at thirteen (13)miles perhour.
- C. Names, Occupations, and Addresses of Witnesses: Personnel of the 663rd AC and W Squadron, 30th Air Division, McGhee Tyson Airport, Knoxville, Tennessee, who were on duty at the time. Their occupations are Radar operators, Supervisors, and experts.
- D. Photographs of Objects, if available: No photographs taken. See "F" below.
- E. Object Sighted: A group of targets blanketed the Radar Scopes in the area directly over the government Atomic Energy Commission projects at Oak Ridge, Tennessee. These objects could not be identified from the radar image and a perfect fighter interception met with negative results.
- F. Any other pertinent information: Lt. Robinson of the 663rd AC and W Squadron, McGhee Tyson Airport, Knoxville, Tennessee took photographs of the scope readings with a personal, four (4) by five (5) Speed Graphic Camera, using Plus-X civilian procured film, a lense opening of F-2.5, and a shutter speed varying from twenty (20) to forty-five (45) seconds. The negatives were printed and forwarded to the 30th Air Division, Selfridge Air Force Base, Michigan, which installation printed the negatives and sent copies thereof to the 663rd AC and W Squadron. The numerous targets can readily identified from the permanent radar echos by comparing the photographs. (B-2)

SOURCE: Personnel and logs of the 663rd AC and W Squadron, McGhee Tyson Airport, Knoxville, Tennessee.

20 January 1951

111th CIC Detachment, FAO # 8, P.O. Box 379, Knoxville, Tennessee

**OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE**

(in compliance with letter AJAGI-360.33 General, dated 15 November 1950, Headquarters Third Army, Subject; Unconventional Aircraft, the following is submitted.)

- A. Location and Time of Sighting: At 2145 hours on 16 January 1951.
- B. Weather at the Time of Sighting: Clear; visibility twenty (20) miles; Temperature - 37 degrees F.; and Wind - Southwest at five (5) miles perhour. Winds aloft: At 2000 feet - 240 degrees at 3 knots
3000 " - 210 " " 3 knots
4000 " - 209 " " 5 knots
- C. Names, Occupations and Addresses of Witnesses: 663rd AC&W Squadron Personnel who are Radar operators. AEC Patrol Personnel, policemen at Oak Ridge, Tennessee. Captains L.C.M. Clevenger and Wm. Aiken, Controllers of 663rd.
- D. Photographs of Objects if available: None

- E. Object sighted: Two bright objects in the sky, one of which was east of McGhee Tyson Airport and the other was west. The object to the east was a light, brighter than any other star, emitting intermittent glows of various colors in the color spectrum. An aircraft attempted interception and found that he was heading directly for a star. Weather personnel explained that the spectral reflection of the star was caused by the volume of atmosphere and physical matter, together with heat, which must be looked through to see a star close to the horizon. These phenomenon caused refraction of the light rays from the star thereby reflecting a continuous spectral change of light color.

The light to the West was observed through a twenty (20) power spotting scope and the light seemed to be descending. It took about one hour to descend behind trees making it disappear from the sight of observers. Captain Clevenger stated that this light, when viewed through the spotting scope, took on many peculiar forms, with lines, cores, tails, etc, therein, thus generally fitting the description of all "flying saucers" ever described to him.

Shortly after this object disappeared from sight (behind trees) AEC personnel at Oak Ridge, Tennessee reported they had sighted an object about twelve (12) miles Southeast of the K-25 Plant in the Controlled Area. They also observed the aircraft which had been sent for interception but stated the aircraft was "too far north". The aircraft made no identification, and AEC personnel later reported that they had observed a star.

20 January 1950

111th CIC Detachment, FAO # 8, P.O. Box 379, Knoxville, Tennessee

OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE

F. Any other pertinent information: The Commanding Officer of the 663rd AC&W Squadron, 30th Air Division, McGhee Tyson Airport, Knoxville, Tennessee, in a letter to his Commanding Officer on 17 January 1951, Subject; Report of Unusual incident 2145 hours 16 January 1951, stated:

- " 1. In compliance with telephone instructions from the ADCC 17 January 1951, the following unusual incident report is herewith submitted:

Time Date-16 January 1951

1915: An unusual airborne object was sighted approximately 10 miles WNW of the station, the lighted object was very similar to a star but much brighter and slightly larger than other visible stars at the time, as observed the object seemed to be approximately 6,000 feet above the terrain and descending slowly. As the object appeared to be over or near the Oak Ridge Area, the AEC Patrol Headquarters was notified and their ground observer alerted. About this time some interference was noted on the Radar Scopes (AN/CPS-11 in the approximate area of the observed object; however no interference was noted on the height finder (AN/CPS-4) (See attached Form 117 dtd 17 Jan 1951

1925: Object still apparently descending, F-82 scrambled to attempt interception, still no report from AEC Headquarters.

1930: Similar object observed 15 to 20 miles east of station; seems to be ascending rather than descending.

1935: AF 7177 (Locally based and piloted by assigned sq officer) C-45 enroute CHA to tys, requested fixed to steer to tys - A/C fixed 25 miles SW of station, Pilot Major Raymond C. Care - AF 7177 requested to investigate object east of station.

1945: AF 7177 sighted subject object and reported it to be a star

1945: F-82 orbiting S/E corner of Oak Ridge Area no electronic or visual observation still no electronic observation by station 47.

1946: Visual observation reported by Oak Ridge Ground Observers, 12 miles southeast of K-25 area (This is in the SE corner of Oak Ridge Area) F-82 in sight and is north of object. F-82 vectored south toward object no contact, electronic or visual. Object report 2400 feet above terrain by Oak Ridge Observers.

1955: Oak Ridge Patrol Headquarters reports that observed object determined (to be a star)

20 January 1951

111th CIC Detachment, FAO #8, P.O. 379, Knoxville, Tennessee

OBJECTS SIGHTED OVER OAK RIDGE,
TENNESSEE

to be a star.

2000:F-82 reports clear sailing and no restrictions to visibility,
still patrolling area for possible pickup of object, still no joy."

NOTE: This is an extract of the information listed in logs kept at
the Radar Site by Radar Personnel. (B-2)

SOURCE: Personnel as in "C" above.

Office Memorandum • UNITED STATES GOVERNMENT

TO : MR. C. E. HENNRICH *E.H.M.*

DATE: February 26, 1951

FROM : MR. E. H. MOSSBURG

SUBJECT: FLYING SAUCERS

Tolson	_____
Ladd	_____
Clegg	_____
Glavin	_____
Nichols	_____
Rosen	_____
Tracy	_____
Harbo	_____
Belmont	_____
Mohr	_____
Tele. Room	_____
Nease	_____
Gandy	_____

It is recommended the attached article which appeared in Look magazine January, 1951, be filed in captioned case for information purposes.

Attachment

EHM:gnu

ENCLOSURE ATTACHED

RECORDED - 9 EX-56

MAR 6 1951

65 MAR 14 1951

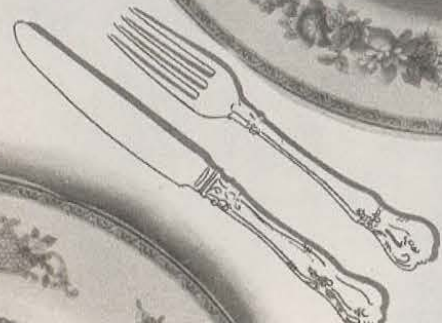
62-83894-266

*Look what we've
dished up for you!*

SATURDAY NOON ON
ABC TELEVISION

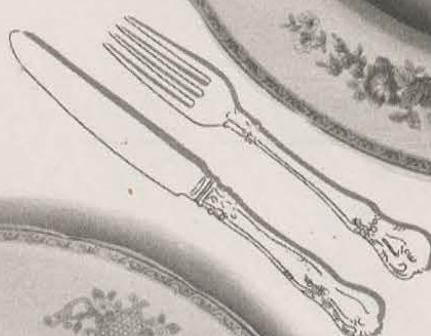
Romance

Faith Baldwin's Theatre of Romance—
your favorite love stories brought
to life by top dramatic stars! Miss Baldwin
herself sets the stage on this Saturday
TV treat! (*Sponsor: Maidenform Bra*).
Every other SATURDAY at 11 am.



Comedy

Two Girls Named Smith (one
of them pretty Peggy Ann
Garner!) are your luncheon
guests every Saturday noon on
ABC-TV! They're small-town
gals in the big city; their
adventures are daffy and
delightful! (*Bab-O and Glim*).
SATURDAY at 12 noon.



Acrobat Ranch.
Saturday, 10:45 am.
(Acrobat Shoes)



The Stu Erwin Show.
Saturday, 7:30 pm.
(General Mills)



Paul Whiteman TV Teen Club.
Saturday, 8-9 pm.
(American Dairy Ass'n)



Roller Derby.
Saturday, 9 pm.

Drama

I Cover Times Square. Reporter Harold Huber
knows every place and every face
along the fabulous Great White Way.
Every Saturday he takes you along on an
exciting, intriguing adventure! (*Air-Wick*).
SATURDAY at 12:30 pm.

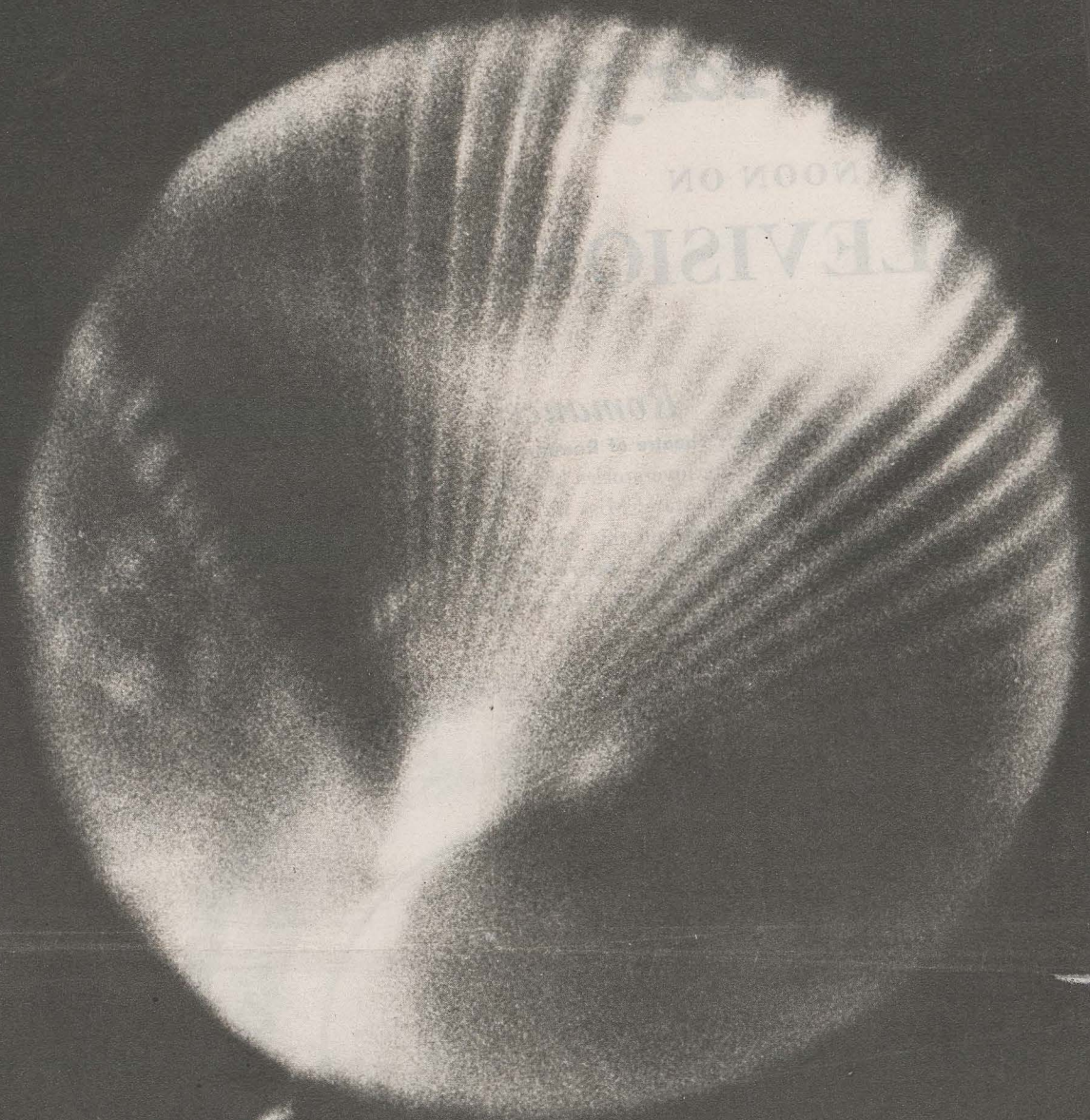


IN NEW YORK, CHICAGO,
DETROIT, SAN FRANCISCO
AND LOS ANGELES
IT'S **CHANNEL 7**

*All times listed are for New York City area only.
Elsewhere, consult your local newspaper.*

ABC
TELEVISION

American Broadcasting Company



Pictured above is a Skyhook balloon 77,000 feet over Minneapolis. This first published photo of a Skyhook at that altitude was made through a refracting telescope. To Dr. Urner Liddel, chief of the nuclear-physics branch of the Office of Naval Research, it is the first visual confirmation of his explanation for the hundreds of "flying saucers" seen soaring over the U. S. Dr. Liddel's field of nuclear research is centered on cosmic rays in the outer atmosphere, and the big helium-filled balloons carry his instruments aloft. At the right, being launched, the balloon is partially inflated. Nearing the limit of its ascent, above, it clearly resembles a "flying saucer."



A NUCLEAR PHYSICIST EXPOSES FLYING SAUCERS

"There is no longer any need for secrecy," says Navy scientist, after finding that his own research started the "saucers"

By RICHARD WILSON Chief of LOOK Washington Bureau

THE literal-minded FBI, skeptical but determined, could not let the flying-saucer excitement go by without getting to the bottom of it. Such a profusion of strange objects littering the American skies could not be ignored.

A 10-page report by the nuclear physics branch of the Office of Naval Research has given the answer:

Flying saucers were, and are, undeniably

real. They are part of a basic research program of the Federal Government which is as important, if not so dramatic, as the visitation from Mars feared by an imaginative public.

A flying saucer is the base of a huge balloon, 100 feet in diameter, called a "Skyhook." It is seen by earthlings traveling at speeds up to 200 miles per hour at heights up to 19 miles.

These balloons are carrying delicate instruments to plumb the secrets of the cosmos in the dizzy reaches of a 100,000-foot height where the atmosphere reaches the vanishing point.

The instruments on the balloons observe and measure the countless explosions of atoms in the atmosphere as they are smashed by cosmic particles hurtling in by the billions from the cold reaches of outer space.

The balloons seek to break the secret of how matter is put together by recording how it is blown apart. And, finally, of how the countless atomic explosions taking place silently, smokelessly, flamelessly but energetically at the fringe of the earth's atmosphere may be reproduced under controlled conditions.

This is atomic research aimed not at producing an atomic bomb but at harnessing the energy from the decomposition of the atom. Dr. Urner Liddel, chief of the nuclear physics branch of the Office of Naval Research, is in charge of the Skyhook-Flying Saucer project.

No "Saucers" Without ONR

"When this project first began," he said, "it was kept secret. Now, there is no longer any need for secrecy on a scientific basis. And, certainly, there is no longer any need to keep the public in the dark about what flying saucers are."

"If we are completely successful in our research with these balloons, which so many people have called flying saucers, we will find out how to break up the atom in a useful way. It is not too much to hope that some day we will learn enough to cause the atomic reaction under conditions as we want them—not as they exist today in the atomic bomb."

"Some day we may learn enough so that we can pour a cup of water into a reactor the



Many Skyhooks have been launched at Camp Ripley near Little Falls, Minn., but ascents have been made everywhere, even from aircraft carriers.

size of an average room and draw off from it in cables enough energy to heat a large city."

The Office of Naval Research, where Dr. Liddel is sponsoring the cosmic experiments, is a part of the regular naval establishment with a \$10,000,000-a-year program of basic and applied research. The Liddel report is considered to be the most authoritative scientific explanation of the flying-saucer phenomenon. As far as Dr. Liddel is concerned personally, he considers his answer incontrovertibly right.

One of the most convincing factors supporting Dr. Liddel's findings is that flying saucers or flying disks were unheard of until the ONR's experiments in the stratosphere began. There were some flights in 1947, the first year that strange objects were seen in the skies. These reports multiplied in 1948, when Skyhooks were put in the air in large numbers, and continued through 1949. Reports diminished in 1950 when the number of Skyhook balloon flights were reduced.

Ionization Chambers in the Sky

Observers have agreed that the best time of day to see what is called a flying saucer is at dusk of a cool summer evening.

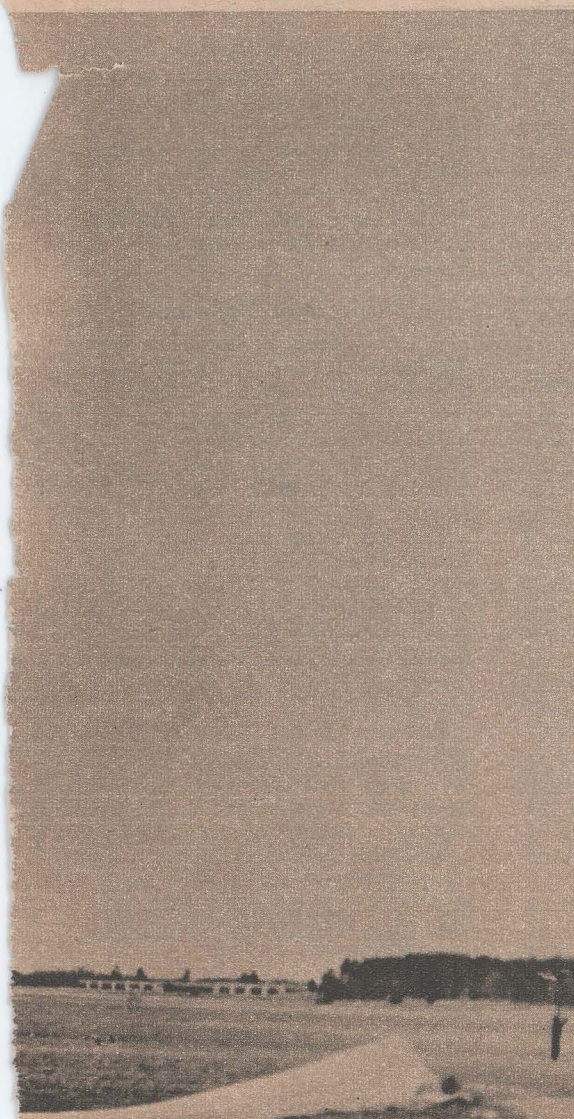
You may be standing on a plain in New Mexico or Montana. You may be flying a plane at 10,000 feet over Alabama. And there in the distance, above you but far from you, is a strange lighted disk. It may be moving or just hovering.

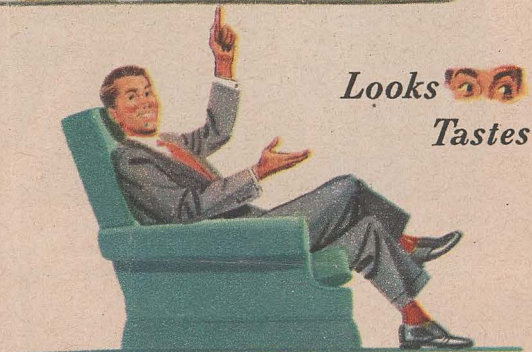
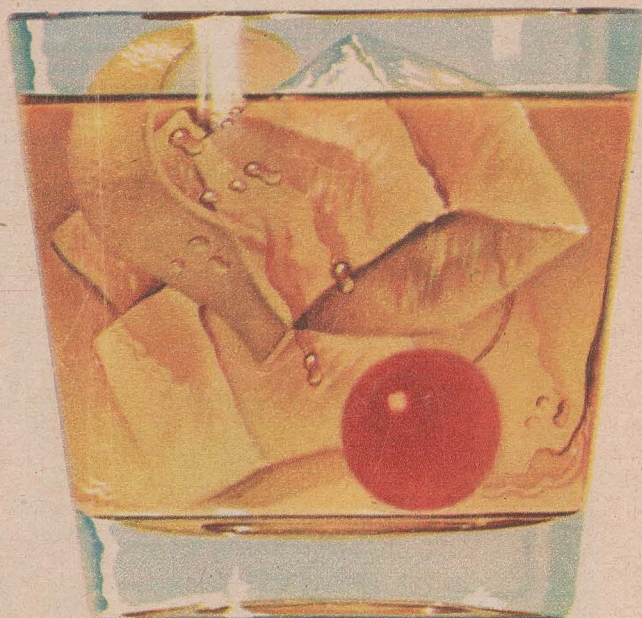
But there it is. You see it with your own eyes. Your companions see it. This thing is round. It appears cup-shaped. It may appear to have a strong glow on one side or to be trailing an exhaust.

What you have seen may be Flight 10, Balloon No. 3 of the Brookhaven National Laboratory at 84,300 feet carrying a 167-pound payload consisting of a cloud chamber, a beacon transmitter, a Geiger telescope, an ionization chamber and photographic equipment.

This object in the sky may appear to you to be from two to ten times the size of Venus, the evening star, which in certain months seems to fill the heavens as it rises. If you are 10,000 feet up in an airplane, the object may appear

(Continued on next page)





Looks Lighter!
Tastes Lighter!

Today's KING is Really LIGHT!

If you prefer finer, lighter mixed drinks—today's King is your whisky! Actually taste-engineered by Brown-Forman to be far lighter-looking, far lighter-tasting. And today's King is priced right, too! Enjoy America's best-tasting blend today!



- New Light Formula
- New Light Package
- New Lower Price

Blended Whisky. 37½% Straight Whiskies. 62½% Grain Neutral Spirits. The Straight Whiskies in this Product are 4 Years or More Old. 86 Proof.

BROWN-FORMAN DISTILLERS CORPORATION
At Louisville in Kentucky

FLYING SAUCERS continued

No "little men" from afar have arrived in rocket ships

20 per cent larger than from the ground.

The lateral rays of the sun at dusk illuminate the base of the balloon. There is no chance of your ever seeing the full roundness of it because you are so far below it. You see only the illuminated cup of the bottom. If your imagination soars, the light reflection on one side may impress you as the glow of an atomic engine. The wisp of the balloon's instrument-filled tail may impress you as the exhaust. The sun's rays may suffuse the plastic bag with a fiery glow.

Experienced Observers Fooled

Even seasoned airmen have no way of estimating the size and the speed of an object they see. To peg size and speed, the mind must know the nature of the object. Experienced seamen have difficulty estimating the distance, speed and size of another ship unless they know its type. The balloon is unknown and hence eludes efforts to measure it by familiar craft aloft.

Dr. Liddel and his associates arrived at their findings on these baffling stories by studying about 2,000 reports of flying-saucer observations of every kind and description. They discarded some as seeming to be the visions of crackpots or psychopaths. Other reports were clearly the result of inaccurate vision.

One report of "little men" found in the wreckage of a flying saucer near Mexico City turned out to be the unsubstantiated story of a traveler. No one else knew anything about it.

This left a solid base of reports from airplane pilots, scientific observers and reliable laymen which could not be brushed aside. After a thorough investigation, Dr. Liddel said: "There is not a single reliable report of an observation which is not attributable to the cosmic balloons."

The Death of Captain Mantell

The most tragic report the nuclear physicists had to consider was that of an Air Force pilot in Kentucky. A circular object, metallic in appearance, was seen over a U. S. Air Force base on Jan. 7, 1948. Three fighter planes, one piloted by Capt. Thomas F. Mantell, took off in hot pursuit. From their relatively low altitudes, the balloon seemed to be traveling at the rate of 360 miles an hour. Two of the planes turned back at 18,000 feet. Captain Mantell kept going. He radioed that he would go to 25,000 feet and abandon the search if he got no closer. None of the planes was equipped with reserve oxygen supplies, and thus could not fly long at high altitudes.

Mantell was not heard from again. His plane crashed, and the instruments found in the wreckage indicated it might have risen to 30,000 feet.

"Our studies show," said Dr.

Liddel, "that Captain Mantell and the other pilots were pursuing a balloon of the Skyhook type. Captain Mantell could never have reached the height at which the balloon was traveling."

Several reports have been received of "squadrons" of flying saucers. People have seen little disks apparently flying together in the sky. This is explained by Dr. Liddel as clusters of 20 to 30 balloons, 10 to 15 feet in diameter, which are sometimes used in place of the huge Skyhook.

Under certain conditions, they might be more visible than the single plastic bag, and would certainly be unexplainable by anyone who didn't know their purpose.

Liddel Got the Facts

After Dr. Liddel had sifted all the reports which appeared to have some foundation, he used his entree as a government nuclear physicist to check other government agencies. He is satisfied that no other research or experimental project has utilized anything even roughly resembling a flying saucer. "And secondly," he said, "interplanetary travel is not possible at the present time."

This disposed of all the possibilities, according to Dr. Liddel. His analysis of the flying-saucer phenomenon as presented here is the first government disclosure of what is considered to be the real cause.

The Skyhook's distinct visual similarity to a flying-saucer description was noted strongest at the Minneapolis project of ONI, under the direction of General Mills, Inc. Telescopic photographs brought out the similarity so clearly that Dr. Liddel was elated. He could at last offer visual proof of his findings.

Tracing the "Saucers"

General Mills is the only successful manufacturer of the huge and delicate plastic bags. Most of the total of 270 flights so far made have been launched at Camp Ripley near Little Falls, Minn., and at University Airport, Minneapolis, Minn.

Enough flights have been made from other points, however, to litter the country. Balloons have ascended from Chicago, from Holloman Air Force Base and White Sands, N. M., and from aircraft carriers in both the Caribbean Sea and the Pacific.

Workers at the General Mills aeronautical laboratories advised Dr. Liddel that they were able to trace lost balloons by published reports of flying saucers. The big bags are engineered to stay up eight hours. Otherwise, they would be a hazard to air navigation. But some have actually stayed up more than 30 hours.

Elaborate arrangements are made to trace the balloons, for the data the cosmic physicists want are (Continued on page 64)

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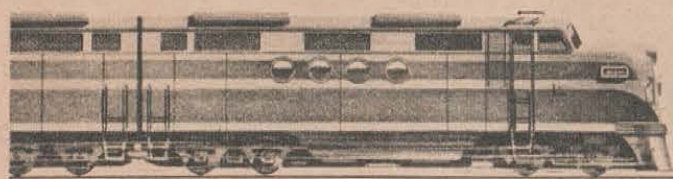
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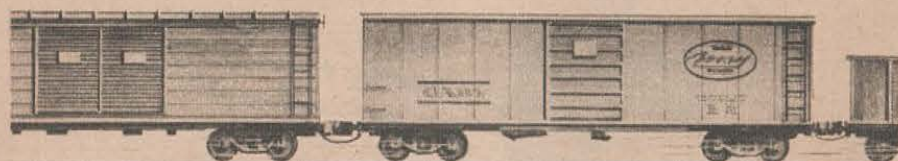
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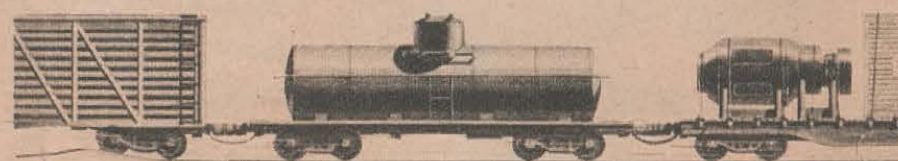
Today



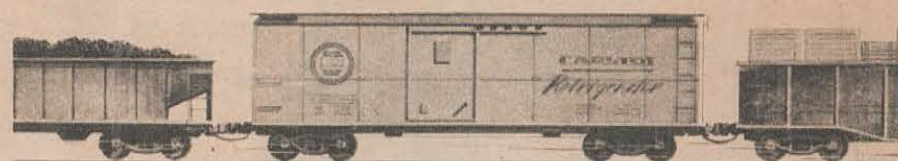
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Skyhook ready for ascent. "Saucers" were unheard of until ONR's experiments in the stratosphere began under Dr. Liddel's supervision.

FLYING SAUCERS continued

Bigger Skyhooks coming— then more "saucers" will fly

recorded on the instruments dangling from them. The instruments are released electronically by parachute at the end of the flight.

The cosmic-ray experiments themselves stem from pioneer work done by Dr. Robert A. Millikan 30 years ago when the bombardment of particles from outer space was first discovered. These peculiar phenomena were thought to be some kind of light ray from an unknown source. They were later discovered to be atomic particles striking at the rate of five per square inch per minute at the earth's surface.

Cosmic-Ray Mystery

The source of these particles is unknown. One theory firmly held for a while was that they originated from explosions on the sun. Some scientists believe now that their impact and energy are so great they must originate from higher-powered galaxies outside the solar system.

Whatever their source, these particles strike atoms in the earth's atmosphere, cause them to explode and fill the atmosphere with atomic debris.

Physicists early discovered that the higher they went in the atmosphere the more certain they could be of recording the explosions with the greatest accuracy. Their ultimate aim is to make photographs and measurements at the very fringe of the earth's atmosphere, for all the air below that is filled in greater or lesser degree with atomic debris from the explosions.

These explosions, of course, can-

not be seen or felt by the human mechanism. But their dramatic impact on the measuring devices can be photographed with startling clarity.

Four levels of cosmic-ray experimentation have been in progress. The first is at sea level where the bombardment is measured and photographed in devices called cloud chambers. This type of experimentation also goes on at two laboratories, Mount Evans and Climax Mountain, both in Colorado, at 14,000 feet.

A third type of experimentation was carried on in three B-29 bombers, fitted out as flying laboratories. They flew up and down a degree of latitude toward the North Pole and away from it between Fort Churchill, Manitoba, and Lima, Peru. These flying laboratories made their recordings at between 30,000 and 40,000 feet.

The fourth type is the Skyhook project which has led to so many reports of flying saucers. But there are still more to come.

General Mills and the Office of Naval Research are working on a new balloon with four times the capacity of the Skyhook, which can rise to heights of 120,000 feet. This will leave only 0.4 per cent of the earth's atmospheric envelope above the new balloon.

It can safely be predicted that a year hence there will be a new wave of flying-saucer reports. A new, improved model will be observed by credulous and alarmed citizens of middle America. These observers will be unable to escape the conclusion that the thing in outer space is gaining on us.

END

CLASSIFIED
INCOMING
MESSAGE

CONFIDENTIAL

DEPARTMENT OF THE ARMY
STAFF COMMUNICATIONS OFFICE

F83 J

RECEIVED FROM G-2 THROUGH LIAISON CHANNELS
CONFIDENTIAL
PRIORITY

PARAPHRASE NOT REQUIRED

AF MSG

FEB 13 1951

FROM: NEAC PEPPERELL AFB NPLD

TO: CSAF WASH DC

NR: EW 0212

10 FEB 51

Text on following page.

File in Flying Saucer file
0 flying
SAUCER
EW
267

ACTION: AF

INFO : G2, G3

CAF IN 97532

DA IN 131

RECORDED - 137

MAR 8 1951

(12 Feb 51)

DTG: 100400Z rls9

DECLASSIFIED

Authority:

NND 90986

12 FEB 13 51

373
61 MAR 15 1951

CONFIDENTIAL

COPY NO.

28

**DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING CLASSIFIED MESSAGE**

~~CONFIDENTIAL~~
PRIORITY

PARAPHRASE NOT REQUIRED. NOTIFY
CRYPTOCENTER BEFORE DECLASSIFYING

FROM: NEAC PEPPERELL AFB NFID

TO : CSAF WASH D C

NR : EW 0212

10 Feb 51

(DTG 100400)

Unidentified object seen at 0055Z 10 Feb at 49 degrees 50 min north, 50 degrees 03 min west by crew of Navy 6501, VR1, Petuxent River, MD. Originally seen as heavy light in distance on the surface as lights of city. The yellowish light, like a fire in color, approached rapidly and grew very bright and very large with a semi-circular shape. It was on a true course of about 125 degrees, plane on a true course of 225 degrees, as it approached the plane it suddenly turned about almost 180 degrees and disappeared rapidly over the horizon as a small ball. Speed "was terrific". Seen fr an angle of about 45 degrees looking down fr the plane. Crew all experienced North Atlantic fliers Lt F.W. Kingdon, Lt A.L. Jones, Lt G.E. Bethune, Lt N.G.P. Koger, Lt J.M. Meyer, all saw object over a period of fr seven to eight min. Plane flying at 10,000 altitude.

ACTION: OIN

ADDED DIST: ARMY, STATE, CIA, OSD(SDLO), JCS
CAF IN: 97532 (10 Feb 51)

MEL/ref

~~CONFIDENTIAL~~

COPY No.

THE MAKING OF AN EXACT COPY OF THIS MESSAGE IS FORBIDDEN

Mr. Jimmy W. Short
910 Caddo Street
Arkadelphia, Arkansas

RBC

February 24, 1951

Mr. J. Edgar Hoover
Director
Federal Bureau of Investigation
Washington, D.C.

RECEIVED
FEB 24 1951

Your letter dated February 14, 1951, has been received.

While I appreciate the interest which you have expressed in the work of the FBI, I regret that I am unable to give you the information requested. The Bureau is not in a position to furnish you with the information requested at this time.

I am enclosing herewith a copy of the report which I thought may be of interest to you.

Sincerely yours,

J. Edgar Hoover

John Edgar Hoover
Director

Enclosure

List of copies of report
to be distributed to
25 copies of report
1 copy of report
1 copy of report

NOTE: The report is located in the Bureau of Investigation and is not available for distribution outside the Bureau.

RECEIVED-MAIL ROOM
FEB 24 10 40 AM '51
F.B.I.
U.S. DEPT. OF JUSTICE
RECEIVED-MAIL ROOM
FEB 24 4 08 PM '51
TOLSON'S OFFICE

U.S. DEPT. OF JUSTICE
F.B.I.

RECEIVED
FEB 24 1951

Mr. Tolson
Mr. E. A. Tamm
Mr. Clegg
Mr. Glavin
Mr. Ladd
Mr. Nichols
Mr. Rosen
Mr. Tracy
Mr. Carson
Mr. Egan
Mr. Gurnea
Mr. Harbo
Mr. Hendon
Mr. Pennington
Mr. Quinn
Mr. Nease
Miss Gandy

Jimmy Stewart
Oxford, Ark.
910 Caddo St.
Feb. 14, 1951

Mr. J. Edgar Hoover

Washington, D.C. Flying Saucers

Dear Mr. Hoover,

Some time ago I wrote
you a letter, and recieved a very
nice reply. You said in your letter,
if I had a question, to write you.
Well, I have one.

DEFERRED RECORDING
FEB 20 1951

It is about Flying Saucers.

I have been reading a book, "The
Flying Saucers Are Real" by
Donald Keyhoe. He states that
the Flying Saucers are from
another planet. He says that
the F.B.I. and Project "Saucer"
has been working, and trying
to solve the flying saucer mystery.
He says the army has discovered
some things important, and is
the cosmic ray ballam to collect
up. (Please turn to page 2)

ABC
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ack
2-23-51

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Handwritten notes in the upper middle section, including "11.11.11" and "11.11.11".

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FEB 20 4 14 PM '51

15. APR 15 2 61 PM '51
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FEB 19 4 00 PM '51

MR. JONES

Handwritten signature or initials at the bottom left.

If you could give me some information about the following dancers, I would appreciate it. I somehow believe that the army is trying to cover something. The conspiracy story just doesn't fit.

I truly admire the F.B.I. and someday hope to become a member of this fine organization.

Thank you very much.

Yours Truly;
Jimmy W. Dent

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

This image contains all the
information on the document.

SEP 20

TELETYPE

9-20-51

9-08 PM

WASH 7 FROM NEWARK

DIRECTOR

URGENT

Flying Saucers

Flying Saucers

Mr. Tolson ✓
Mr. Ladd ✓
Mr. Clegg ✓
Mr. Glavin ✓
Mr. Nichols ✓
Mr. Rosen ✓
Mr. Tracy ✓
Mr. Harbo ✓
Mr. Alden ✓
Mr. Belmont ✓
Mr. Mohr ✓
Tele. Room ✓
Mr. Nease ✓
Miss Gandy ✓

UNCONVENTIONAL AIRCRAFT OBSERVED SEPTEMBER TEN AND ELEVEN, FIFTY
ONE IN VICINITY FT. MONMOUTH, NJ. INDIC. ON SEPTEMBER TWENTY IN-
STANT, ANDREW J. REID, G-TWO FT. MONMOUTH, NJ, PROVIDED FOLLOWING RE-
PORT OF UNCONVENTIONAL AIRCRAFT OBSERVED BY RADAR AT ABOVE AMY
INSTALLATION. QUOTE ON SEPT. TEN, FIFTYONE, AN AN/MPG DASH ONE RADAR
SET PICKED UP A FAST MOVING LOW FLYING TARGET, EXACT ALTITUDE UNDETER-
MINED AT APPROXIMATELY ELEVEN TEN A.M., SOUTHEAST OF FT. MONMOUTH
AT A RANGE OF ABOUT TWELVE THOUSAND YARDS. THE TARGET APPEARED TO
APPROXIMATELY FOLLOW THE COAST LINE, CHANGING ITS RANGE ONLY SLIGHTLY
BUT CHANGING ITS AZIMUTH RAPIDLY. THE RADAR SET WAS SWITCHED TO FULL
AIDED AZIMUTH TRACKING WHICH NORMALLY IS FAST ENOUGH TO TRACK JET AIR-
CRAFT, BUT IN THIS CASE WAS TOO SLOW TO BE RESORTED TO. TARGET WAS
LOST IN THE N.E. AT A RANGE OF ABOUT FOURTEEN THOUSAND YARDS. THIS
TARGET ALSO PRESENTED AN UNUSUALLY STRONG RETURN FOR AIRCRAFT BEING
COMPARABLE IN STRENGTH TO THAT USUALLY RECEIVED FROM A COASTAL SHIP.
THE OPERATOR INITIALLY IDENTIFIED TARGET AS A SHIP AND THEN REALIZED
THAT IT COULD NOT BE A SHIP AFTER HE OBSERVED ITS EXTREME SPEED.
SEPTEMBER TEN, FIFTYONE, AN SCR FIVE EIGHT FOUR RADAR SET AT THREE
FIFTEEN PM TRACKING A TARGET WHICH MOVED ABOUT SLOWLY IN AZIMUTH NORTH
OF FT. MONMOUTH AT A RANGE OF ABOUT FORTYTWO THOUSAND YARDS AT THE
EXTREMELY UNUSUAL ELEVATION ANGLE OF THIRTEEN HUNDRED FIFTY MILS,
APPROXIMATELY NINETYTHREE THOUSAND ALTITUDE. 3 ON SEPTEMBER ELEVEN,
FIFTYONE, TWO SCR FIVE EIGHT FOUR RADAR SETS AT TEN FIFTY A.M. PICKED
UP THE SAME TARGET NORTHEAST OF FT. MONMOUTH AT AN ELEVATION ANGLE
END OG PAGE ONE

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RECORDED - 71
INDEXED - 71

62-83894-969

OCT 14 1951

OCT 16 1951

FIVE

2-20-51

2-20-51

WASH 7- FROM NEWARK

URGENT

DETECTOR

UNCONVENTIONAL AIRCRAFT OBSERVED SEPTEMBER TEN AND ELEVEN, FIFTY-ONE IN VICINITY FT. MONMOUTH, N.J. INDIC. ON SEPTEMBER TWENTY INSTANT, ANDREW J. REID, C-700 FT. MONMOUTH, N.J. PROVIDED FOLLOWING REPORT OF UNCONVENTIONAL AIRCRAFT OBSERVED BY RADAR AT ABOVE ANY INSTALLATION. QUOTE ON SEPT. TEN, FIFTYONE, AN AIRCRAFT DASH ONE RADAR SET PICKED UP A FAST MOVING LOW FLYING TARGET, EXACT ALTITUDE UNKNOWN.

AT APPROXIMATELY ELEVEN TEN A.M., SOUTHEAST OF FT. MONMOUTH AT A RANGE OF ABOUT TWELVE THOUSAND YARDS. THE TARGET APPROXIMATELY FOLLOWED THE COAST LINE, CHANGING ITS RANGE ON BUT CHANGING ITS AZIMUTH RAPIDLY. THE RADAR SET WAS SUICIDE AIDED AZIMUTH TRACKING WHICH NORMALLY IS FAST ENOUGH TO TRACK SET AIRCRAFT, BUT IN THIS CASE WAS TOO SLOW TO BE RESORT D TO. TARGET WAS LOST IN THE N.E. AT A RANGE OF ABOUT FOURTEEN THOUSAND YARDS. THIS TARGET ALSO PRESENTED AN UNUSUALLY STRONG RETURN FOR AIRCRAFT BEING COMPARABLE IN STRENGTH TO THAT USUALLY RECEIVED FROM A COASTAL SHIP. THE OPERATOR INITIALLY IDENTIFIED TARGET AS A SHIP AND THEN REALIZED THAT IT COULD NOT BE A SHIP AFTER HE OBSERVED ITS

REC'D BELMONT
FBI
DEPT OF JUSTICE

OCT 8 11 34 AM '51

SEPTEMBER TWENTY, AN ECR FIVE EIGHT FOUR RECORD SPIONAGE FIFTEEN PAST A TARGET WHICH MOVED ABOUT A RANGE OF ABOUT FORTY TWO THOUSAND YARDS AT THE EXTREMELY UNUSUALLY HIGH ALTITUDE OF APPROXIMATELY FIFTY THOUSAND FEET. THE TARGET WAS OBSERVED FOR A PERIOD OF APPROXIMATELY FIFTY MINUTES. THE TARGET WAS OBSERVED FOR A PERIOD OF APPROXIMATELY FIFTY MINUTES. THE TARGET WAS OBSERVED FOR A PERIOD OF APPROXIMATELY FIFTY MINUTES.

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SEP 21 11 36 AM '51
OCT 6 2 32 PM '51
OCT 8 3 27 PM '51
OCT 15 1 44 PM '51
RECEIVED-TOLSON
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SEP 21 10 21 AM '51
OCT 6 2 52 PM '51
OCT 15 1 44 PM '51
RECEIVED-MICHOALS
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SEP 21 12 52 PM '51
OCT 6 2 52 PM '51
OCT 15 1 44 PM '51

PAGE TWO

OF THREE HUNDRED FIFTY TO THREE HUNDRED MILS AT A RANGE OF APPROXI-
MATELY THIRTY THOUSAND YARDS, APPROXIMATE/ALTITUDE THIRTYONE THOUSAND
FEET. THE SET TRACK AUTOMATICALLY IS AZIMUTH AND ELEVATION AND WAS
AIDED RANGE TRACKING AND CAPABLE OF TRACKING TARGETS UP TO A SPEED
OF SEVEN HUNDRED MPH. IN THIS CASE, HOWEVER, BOTH SETS FOUND IT IM-
POSSIBLE TO TRACK THE TARGET IN RANGE DUE TO ITS SPEED AND THE OPER-
ATORS HAD TO RESORT TO MANUAL RANGE TRACKING IN ORDER TO HOLD THE
TARGET. THE TARGET WAS TRACKED IN THIS MANNER TO THE MAXIMUM TRACK-
ING RANGE OF THIRTYTWO THOUSAND YARDS. THE OPERATOR SAID THE TARGET
TO BE MOVING AT A SPEED SEVERAL HUNDRED MPH HIGHER THAN THE MAXIMUM
AIDED TRACKING ABILITY OF THE RADAR SETS. THIS TARGET PROVIDED AN EX-
TREMELY STRONG RETURN ECHO AT TIMES EVEN THOUGH IT WAS THE MAXIMUM
RANGE, HOWEVER, ECHO SIGNAL OCCASIONALLY FELL OFF TO A LEVEL BELOW
NORMAL RETURN. THESE CHANGES COINCIDED WITH MANEUVERS OF THE TARGET.
ON SEPTEMBER ELEVEN, FIFTYONE AT ABOUT ONE THIRTY P.M. THE TARGET WAS
PICKED UP ON AN SCR FIVE EIGHT FOUR RADAR SET THAT DISPLAYED UNUSUAL
MANEUVERABILITY. TARGET WAS APPROXIMATELY OVER NAVESINK, NJ., AS IN-
DICATED BY HIS TEN THOUSAND RANGE, SIX THOUSAND FEET ALTITUDE AND DUE
NORTH AZIMUTH. THE TARGET REMAINED PRACTICALLY STATIONARY ON THE
SCOPE AND APPEARED TO BE HOVERING. THE OPERATOR LOOKED OUT OF THE
VAN PAREND THE VEHICLE HOUSING THE RADAR SET~~PA~~ PAREND IN AN ATTEMPT
TO SEE THE TARGET, SINCE IT WAS AT SUCH A SHORT RANGE, HOWEVER, OVER-
CAST CONDITIONS PREVENTED SUCH OBSERVATION. RETURNING TO THEIR OPER-
ATING POSITION THE TARGET WAS OBSERVED TO BE CHANGING IN ELEVATION
AT AN EXTREMELY RAPID RATE, BUT CHANGE IN RANGE WAS SO SLOW THE OPER-
END OF PAGE TWO

PAGE THREE

ATOR BELIEVED THE TARGET MUST HAVE RISEN NEARLY VERTICALLY. TARGET
FIXED ITS RISE IN ELEVATION AT AN ELEVATION ANGLE OF APPROX. FIFTEEN
HUNDRED MILS, AT WHICH TIME IT PROCEEDED TO MOVE AT AN EXTREMELY RAPID
RATE IN RANGE IN A SOUTHERLY DIRECTION. ONCE AGAIN THE SPEED OF THE
TARGET EXCEEDED THE AIDED TRACKING ABILITY OF THE SCR FIVE EIGHT FOUR
SET SO THAT MANUAL TRACKING BECAME NECESSARY. RADAR TRACKED THE TAR-
GET MAXIMUM RANGE OF THIRTYTWO THOUSAND YARDS AT WHICH TIME TARGET
WAS AT AN ELEVATION ANGLE THREE HUNDRED MILS. THE OPERATOR DID NOT
ATTEMPT TO JUDGE THE SPEED IN EXCESS OF THE AIDED TRACKING RATE OF SEVEN
HUNDRED MPH. THE WEATHER WAS FAIR WHEN THE OBSERVATION WAS MADE SEPT-
EMBER TENTH AND CLOUDY FOR THE SEPTEMBER ELEVENTH REPORT. UNQUOTE.
ABOVE INCIDENT OBSERVED BY THREE WITNESSES WITH EXCEPTION OF FIRST
INCIDENT ON SEPTEMBER TEN. ABOVE INFO FURNISHED BY REID AFTER AP-
PROVAL OF G-TWO, GOVERNORS ISLAND, NY, WITH REQUEST THAT INFO BE CO-
ORDINATED WITH AIR FORCE. REID ALSO ADVISED IN CONFIDENCE THAT ABOVE
REPORT RECEIVED BY HIM AFTER CONSIDERABLE UNACCOUNTABLE DELAY.

MC KEE

END AAD PLS

NK R 7 WA AS

DISC

*CC Mr Belmont
not done*

PAGE THREE

ATOR BELIEVED THE TARGET MUST HAVE RISEN NEARLY VERTICALLY. TARGET
FIXED ITS RISE IN ELEVATION AT AN ELEVATION ANGLE OF APPROX. FIFTEEN
HUNDRED HILLS, AT WHICH TIME IT PROCEEDED TO MOVE AT AN EXTREMELY RAPID
RATE IN A SOUTHERLY DIRECTION. ONCE AGAIN THE SPEED OF THE
TARGET EXCEEDED THE AIDED TRACKING ABILITY OF THE SCR FIVE EIGHT FOUR
SET. ANNUAL TRACKING BECAME NECESSARY. RADAR TRACKED THE TAR-
GET AT AN ELEVATION ANGLE OF THIRTYTWO THOUSAND YARDS AT WHICH TIME TARGET
WAS. ELEVATION ANGLE THREE HUNDRED HILLS. THE OPERATOR DID NOT
ATTEMPT TO JUDGE THE SPEED IN EXCESS OF THE AIDED TRACKING RATE OF SEVEN
HUNDRED MPH. THE WEATHER WAS FAIR WHEN THE OBSERVATION WAS MADE SET-
EIGHT TENTH AND CLOUDY FOR THE SEPTEMBER ELEVENTH REPORT. UNCERTAIN.
ABOVE INCIDENT OBSERVED BY THREE WITNESSES WITH EXCEPTION OF FIRST
INCIDENT ON SEPTEMBER TEN. ABOVE INFO FURNISHED BY REID AFTER A-
PROVAL OF G-2, GOVERNORS ISLAND, NY, WITH REQUEST THAT INFO BE CO-
ORDINATED WITH AIR FORCE. REID ALSO ADVISED IN CONFIDENCE THAT ABOVE
REPORT RECEIVED BY HIM AFTER CONSIDERABLE UNACCOUNTABLE DELAY.

RECEIVED TELETYPE UNIT
SEP 20 9 31 PM '51
DEPT OF JUSTICE

MC KEE

END LAB LLS

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DISC

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI (62-83894)

DATE: March 21, 1952

FROM : SAC, CHICAGO (100-18999)

SUBJECT: FLYING DISCS
KARL NYQUIST, INFORMANT

Mr. KARL NYQUIST, an artist living at 2417 North Burling Street, Chicago, Illinois (telephone LI-9-1479) advised SA MYRON H. TRETER on March 11, 1952 that he saw a flying disc at 9:00 AM on March 6, 1952.

NYQUIST stated that he was looking out of a window at his home which window faces south, when he saw a flying disc at approximately 7,000 feet above Fullerton Avenue. The angle of elevation of the disc above the horizon was about 45 degrees. The disc came out of a cloud in the east, stopped and hung motionless in mid-air for a split second, then flew due south at great speed.

He described the disc as approximately six feet in diameter, circular, white in color with a bluish tinge. The disc, he said, appeared to have been constructed out of a metal similar to aluminum. He also stated that he saw no exhaust, lights, or heard no sound connected with its movements. He noted nothing on it as to how it could maintain its even flight and believed it to have been radio controlled. He said it disappeared out of sight in approximately three seconds, estimating the speed at 600-700 miles per hour or more. He said it went so fast it appeared to flutter. When the disc disappeared from sight it was about the size of a golf ball on the southern horizon.

NYQUIST made a sketch of the disc and the sketch and the above information were furnished to the local office of the Office of Special Investigations.

MHT:BJB

DECLASSIFIED

Authority:

NND 90986

RECORDED - 79

INDEXED - 79

EX-125

62-83894-270
MAR 25 1952FIVE
FIVE
FIVE

57 APR 1 1952

~~CONFIDENTIAL~~

ing Saucers
Heinrich

On 10 September 1951 as AN/MPG-1 radar set picked up a fast moving low flying target (exact alt undetermined) at approximately 1110 hours SE of Fort Monmouth at a range of about 12,000 yards. The target appeared to approximately follow the coast line changing its range only slightly but changing its azimuth rapidly. The radar set was switched to full aided azimuth tracking which normally is fast enough to track jet acft, but in this case was too slow to be resorted to. The target was lost in the NE at a range of about 14,000 yards. This target also presented an unusually strong return for an acft being comparable in strength to that usually received from a coastal ship. The operator initially identified the target as a ship and then realized that it could not be a ship after he observed its extreme speed.

On 10 September 1951, 1515 hours, an SCR 584, serial no. 433 tracked a target which moved about slowly in azimuth N of Fort Monmouth at a range of about 32,000 yds at the extremely unusual elevation angle of 1350 mils. (Altitude approximately 93,000 ft)

On 11 September 1951, 1050 hours, 2 SCR 584 serial nos. 217 and 315 picked up the same target NE of Fort Monmouth at an elevation angle of 350 to 300 mils at a range of approximately 30,000 yards. (Approximate altitude 31,000 ft) the sets track automatically in azimuth and elevation and with aided range tracking are capable of tracking targets up to a speed of 700 mph. In this case however, both sets found it impossible to track the target in range due to its speed and the operators had to resort to manual range tracking in order to hold the target. The target was tracked in this manner to the maximum tracking range of 32,000 yards. The operators judged the target to be moving at a speed several hundred miles per hour higher than the maximum aided tracking ability of the radar sets. This target provided an extremely strong echo at times even though it was at maximum range, however the echo signal occasionally fell off to a level below normal return. These changes coincided with maneuvers of the target.

On 11 September 1951 at about 130 a target was picked up on an SCR 584 radar set serial no. 315 that displayed unusual maneuverability. The target was approx. over Navesink NJ as indicated by its 10,000 yard range, 6000 ft altitude and due N azimuth. The target remained practically stationary on the scope and appeared to be hovering. The operators looked out of the van in an attempt to see the target since it was at such a short range, however overcast conditions prevented such observation. Returning to their positions the target was observed to be changing its elevation at an extremely rapid rate, the change in range was so small the operators believed the target must have risen nearly vertically. The target ceased its rise in elevation at an elevation angle of approx 1500 mils at which time it proceeded to move at an extremely rapid rate in range in a southerly direction once again the speed on the target exceeding the aided tracking ability of the SCR 584 so that manual tracking became necessary. The radar tracked the target to the maximum range of 32,000 yards at which time the target was at an elevation angle of 300 mils. The operators did not attempt to judge the speed in excess of the aided tracking rate of 700 mph.

~~CONFIDENTIAL~~

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mounting

See 1 confidentially from
for 10/10/51

7
unclassified
file

0 Flying Saucers

9524

F317
100-1041831

Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI

DATE: 4-3-52

FROM: SAC, Memphis (62-0)

SUBJECT: UNKNOWN SUBJECT; Flying Objects,
Nashville, Tennessee
INFORMATION CONCERNING*FLYING DISCS*

Lt. Commander MELVIN MICHAEL KUHN, U. S. Navy, temporarily residing at 1900 Graybar Lane, Nashville, Tennessee, advised SAA CHARLES J. HONETOR of the Nashville Resident Agency on March 14, 1952, at approximately 2:15 p.m. of the following incident.

Mr. KUHN stated that approximately 10:20 p.m. on March 13, 1952, while standing in the back yard of 1900 Graybar Lane and looking toward the moon, which was then in the southwest section of the sky, he observed an object which appeared approximately 20 degrees above the horizon. Lt. KUHN described this object as being circular in shape, approximately one-half the size of the moon, deep bright blue in color, very vivid blue. He stated the object had a slight reddish fringe on the aft end. The object appeared to be moving from the northwest to the southeast. He stated that the object was not in his vision more than three seconds. It made no sound. Lt. KUHN stated that at the time he observed this, there were no clouds in the sky, the stars were out, and the moon was full. Lt. KUHN stated that the only way he could describe it was that it appeared to be a very high powered spotlight on a cloud, but he did not believe this could have been the cause of that which he had seen because he had not seen any spotlight or any strong search lights there during the evening.

The above is being furnished for your information, and no action is contemplated by this office unless advised to the contrary.

CJH:AJ

RECORDED - 46

EX-99

APR 7 1952

WB 10118

64 APR 14 1952

5-

Office Memorandum • UNITED STATES GOVERNMENT

DATE: 4-3-52

TO: Director, FBI

FROM: SAC, Memphis (62-0)

SUBJECT: UNKNOWN SUBJECT; Flying Object,
Nashville, Tennessee
INFORMATION CONCERNING

1. Commander MELVIN MICHAEL KUHN, U. S. Navy, temporarily residing at 1900 Grepper Lane, Nashville, Tennessee, advised SAA CHARLES J. HONSTON of the Nashville Resident Agency on March 14, 1952, at approximately 3:15 p.m. of the following incident.

Mr. KUHN stated that approximately 10:30 p.m. on March 13, 1952, while standing in the back yard of 1900 Grepper Lane and looking toward the moon, which was then in the southwest section of the sky, he observed an object which appeared approximately 20 degrees above the horizon. It, KUHN described this object as being circular in shape, approximately one-half the size of the moon, deep bright blue in color, very vivid blue. He stated the object had a slight reddish fringe on the left end. The object appeared to be moving from the northwest to the southeast. He stated that the object was not in his vision more than three seconds. It made no sound. It, KUHN stated that at the time he observed this, there were no clouds in the sky, the stars were out, and the moon was full. It, KUHN stated that the only way he could describe it was that it appeared to be a very high powered spotlight on a cloud, but he did not believe this could have been the cause of that which he had seen because he had not seen any spotlight or any strong search lights there during the evening.

The above is being furnished for your information, and no action is contemplated by this office unless advised to the contrary.

CJH:AJ

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MR. JONES

gm
Office Memorandum • UNITED STATES GOVERNMENT

TO *WAB* A. Branigan

DATE: April 17, 1952

FROM : E. H. Mossburg *EHM*

SUBJECT: FLYING DISCS

Tolson _____
Ladd _____
Clegg _____
Glavin _____
Nichols _____
Rosen _____
Tracy _____
Harbo _____
Belmont _____
Mohr _____
Tele. Room _____
Nease _____
Gandy _____

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For record purposes, it is desired to point out that the April 7, 1952, issue of "Life" magazine contains an article on page 80 entitled, "Have We Visitors From Space?" written by H. B. Darrach, Jr., and Robert Ginna relating to the captioned matter. For further reference purposes, a copy of this issue of "Life" magazine is maintained in the Bureau Library.

EHM:rd *rd*

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5- *EHM*

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Date: May 7, 1952

To: Director of Special Investigations
The Inspector General
Department of the Air Force
The Pentagon
Washington 25, D. C.

From: John Edgar Hoover, Director
Federal Bureau of Investigation

Subject: FRED J. ECKHOUT

On May 5, 1952, Fred J. Eckhout called at this Bureau and advised that he is General Manager of Mouton and Company, Printers, 5 Herderstraat, The Hague, Netherlands. He resides at 49 Stadhouderslaan, The Hague. He is residing at the Victoria Hotel, New York City, until May 16, 1952, when he will return to Europe.

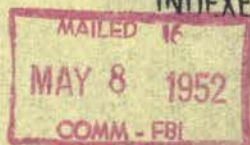
Mr. Eckhout advised that he has a considerable interest in electronics and has been very much interested in reports circulated during the past year or two concerning the existence of flying saucers. He feels that there have been enough uncontradicted reports concerning such devices to indicate that they may exist in fact. He is also of the opinion that if they do exist they can be produced only by the United States or Russia or perhaps by the Republic of Argentina.

Mr. Eckhout indicated that he has given extensive thought to the manner in which these devices could be operated. He has concluded that since the disk shape is not suitable for conventional aircraft it would be used only because it would provide the greatest possible lifting surface. It is his opinion, therefore, that one of these devices could be operated only by reducing the air pressure above it which would cause it to rise in the air. He concedes that conventional machinery to cause such a reduction of pressure would be so bulky that its weight would prevent the device from leaving the ground. He concludes, therefore,

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that power to accomplish this end would have to be derived from the cracking of an atomic fuel such as heavy water.

In that connection he states that the ionosphere surrounding the earth radiates positive ions toward the earth's surface. Many of these are dissipated by combining with particles in the atmosphere with the result that positive ions are more concentrated near the earth's surface than higher above it. He reasons that a disk could be raised in the air by emitting a great quantity of negative ions through its upper surface and causing a decrease in pressure which would result in the pressure underneath the disk forcing it upward. He indicates that somewhere between the surface of the earth and the ionosphere this pressure would equalize at which point the disk could go no higher. It could then be moved horizontally by emitting negative ions in the direction in which it is desired to move.

Mr. Eekhout stated that he did not feel such a device could be remote controlled since it would probably not be possible to maintain radio contact with it. He feels, however, that the occupants of such a device would be fully protected since according to the electrical theory demonstrated by Faraday's Cage the current involved in the propulsion of such a device would concentrate itself around the edges of the disk.

The foregoing is furnished for your information.

(NOTE ON YELLOW: Eekhout was interviewed at 2:15 p.m. 5-5-52, by Supervisor V. H. Bailey by reference from Mr. Nichols' Office. Bureau files contain no data identifiable with him.)

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May 13, 1952

62-83894-274

EX-47

Mr. W. B. ~~X~~Burgess
Box 147
Black Mountain, North Carolina

Dear Mr. Burgess:

Your letter dated May 7, 1952, has been received and I appreciate the interest prompting you to bring your observations to my attention.

Since the matter you mention may be of interest to another governmental agency, I am referring a copy of your letter to The Honorable, The Secretary of Defense, The Pentagon, Washington, D. C., and you may wish to write him directly in this connection.

Sincerely yours,

John Edgar Hoover
Director

copy of incoming sent to Dep't. of Defense by form

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