[redacted]

INCIDENTAL 16C
Incident Re...

(...)

(...)

DATE OF TRIP 20 Oct 46
WRIGHT-PATT, ST PAUL
LOCATION Minneapolis, Minn. ABERDEEN, S.D.
SOURCE Civilians
DATE IN TO AFIC ----
COLOR Flare Orange
SHAPE Saucer c/c Hexagon
SIZE 2,000-10,000'
NUMBER OF OBS. (Ground) ----
TYPE OF OBSERVATION Ground
DURATION

...TIME 0530 CST
...Round with veil
SIZE 6' Diameter
...ENE
NO. IN GROUP 1
...
...HEADING
...AAF Form 329

[redacted]

[redacted]

UNCLASSIFIED

Incident #184 -- Winona, Minnesota -- 20 October 1948

This incident and #185 appear to be a clear-cut case of a fireball. Strongest evidence is the fact that the object was seen in several communities at the same time. While the reports given in the Minneapolis Morning Tribune article conflict in minor details, the general sense of the description of all observers fits that of a fireball.

UNCLASSIFIED

[redacted]

1-3714-16

UNCLASSIFIED

Incident #185, a, b -- Minneapolis, Minnesota -- 20 October 1948

The object reported in this incident is the same as that in #184, seen from a different locality. The description of the incident leaves no question but that the object observed was a fireball.

UNCLASSIFIED

HEADQUARTERS
AIR WEATHER SERVICE
Andrews Air Force Base
Washington 25, D. C.

In Reply
Refer To: AWS DSS

11 May 1949

SUBJECT: Unidentified Flying Objects

TO : Commanding General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTN: MCIAXO-3

1. Reference is made to letter from your headquarters, MCIAXS, dated 9 March 1949, subject "Unidentified Flying Objects," and first indorsement thereto by this headquarters, dated 31 March 1949.

2. The incident summaries 173 through 233 have been checked against routine weather-balloon ascents made by the Air Force, Navy and Weather Bureau. Comments based on this review are inclosed.

3. It is recommended that the "Guide To Investigation Of Unidentified Aerial Objects" be changed as follows: Item 13, "Direction of Flight of Object," should be clarified so that vertical and horizontal motions are distinguished if possible, and so that motion is specified as the direction towards which the object appears to move. "Relative to Radar Settings" should include a statement of the type of radar set used.

FOR THE CHIEF, AIR WEATHER SERVICE

/s/ W. A. West
W. A. WEST
Lt. Col., USAF
Adjutant General

2 Incls:
1 - Incident Summaries
2 - Comments 173 thru 233

No. 184 - 185: Very controversial accounts of speed (0 - 3 times that of a Jet); description sounds like burning pilot balloon sounding with lantern. However, nearest release was two hours earlier at St. Cloud. Could have been this pilot balloon sounding assuming a leaky balloon to keep it at a low altitude. Not at all probable, but possibly a balloon.

INCIDENT SUMMARY SHEET

Incident No. 184

1. Date and Time of Observation: 20 Oct 1948 0600

2. Where Sighted: ~~xxxxx~~ Winona, Minnesota

3. Observer's Position: ground
(i. e., ground, air, control tower, etc.)

4. Name and Address of Observer: [redacted]

5. Occupation and/or hobbies: N/S

6. Attention Attracted by: N/S

7. Number of Object(s) Seen: 1

8. Size of Object(s): 25 feet long by 8 feet wide

9. Color of Object(s): N/S

10. Shape (Sketch if Possible) N/S

11. Nature of Luminosity: "sparks"
(directed beam of light?)

12. Altitude of Object: N/S
(estimated)

13. Estimated Distance of Object from Observer:

14. Estimated Speed of Object: Slow

15. Time in Sight: N/S

16. Tactics: Broke up into numerous bright particles

17. Sound Made by Object(s): N/S

18. Direction of Flight of Object(s) N/S

19. Apparent Construction: "a bunch of sparks with a tail"

20. Effect on Clouds: N/S

21. Exhaust Trail (Color of): tail.

22. Manner of Disappearance: broke up into numerous bright particles

23. Weather Conditions at Time of Sighting: N/S

24. Peculiarities Noted: slow speed and the fact that it broke into numerous bright particles

25. Summary of Incident: (over)

(See attached page)

Incident: 184

Taken from Minneapolis Morning Tribune
21 October 1948

"DUCK! IT'S THOSE SAUCERS AGAIN"

... At Winona, Minn., [redacted] and [redacted] said they saw a slowly traveling object which broke up into numerous bright particles over the town at 6 A. M. 20 Oct 48.

They said it was about 25 feet long and eight feet wide and appeared to be a"bunch of sparks with a tail."

NOTE: The above witnesses were not contacted from Wold Chamberlain Fld, Minneapolis, Minn. See Incident 185 for report of [redacted] and [redacted].

INCIDENT SUMMARY SHEET

Incident No. 135

1. Date and Time of Observation: 20 October 1948 at approx 0550 hours

2. Where Sighted: Minneapolis, Minnesota

3. Observer's Position: ground
(i. e., ground, air, control tower, etc.)

4. Name and Address of Observers: [redacted]

5. Occupation and/or hobbies: [redacted] teletype operator

6. Attention Attracted by: [redacted] Mailman

7. Number of Object(s) Seen: 1 (seen at two different locations, in Minneapolis)

8. Size of Object(s): 6 feet

9. Color of Object(s): orange flame colored

10. Shape (Sketch if Possible) round with tail 1/3 again as long as diameter of object. See attached drawings

11. Nature of Luminosity: that of boiling sheets of flame
(directed beam of light?)

12. Altitude of Object: From 5,000 to 10,000 feet
(estimated)

13. Estimated Distance of Object from Observer: N/S

14. Estimated Speed of Object: 3 times that of jet aircraft

15. Time in Sight: N/S

16. Tactics: Seemed to follow a straight course, in a horizontal attitude losing very little altitude.

17. Sound Made by Object(s): No sound

18. Direction of Flight of Object(s) South southwest to north northeast.

19. Apparent Construction: "flame"

20. Effect on Clouds: Disappeared behind cloud banks to the north northeast

21. Exhaust Trail (Color of): boiling sheets of flame

22. Manner of Disappearance: Behind cloud bank to the north northeast

23. Weather Conditions at Time of Sighting: N/S

24. Peculiarities Noted: Front of the object seemed blurred as if enveloped in smoke - the rest of the main body was a fiery orange color

25. Summary of Incident:

(See attached page) (over)

Incident: 185

Object was sighted from 13th and Lake Street, Minneapolis & at 7th Street and 4th Ave., Minneapolis, by [redacted], teletype operator and [redacted], Mailman, at approximately 0550 hours 20 October 1948. Witnesses stories seem to conform in pattern throughout. The front of the object seemed blurred as if enveloped in smoke; whereas the rest of the main body was a fiery orange color. The tail seemed to be boiling sheets of flame which carried on back at variable distances and broke off dropping vertically for a short distance and then becoming indistinguishable. The object was last seen by both witnesses entering the cloud bank to the north-northeast and disappearing.

10-628

MESSAGEFORM

AGE CENTER No.	TRANSMITTING MEANS	CRYPTOGRAPH OR CLEAR TEXT

CALLS	STA. SER. No.	PRECEDENCE	TRANSMISSION INSTRUCTIONS	ORIGINATOR	DATE-TIME GROUP
V	NR				

ACTION	INFORMATION	EXEMPT	OPERATING SIGNALS	GROUP COUNT
1 0				GR

SPACE ABOVE FOR SIGNAL CENTER ONLY

FROM: (*Originator*)
CG FIFTH ARMY CHICAGO ILL J-2256

ACTION TO:
COMGENAMC WRIGHT-PATTERSON AFB DAYTON OHIO

AIR MAIL

INFORMATION TO: DIRECTOR OF INTELLIGENCE GSUSA

SECURITY CLASSIFICATION
UNCLASSIFIED

PRECEDENCE FOR

ACTION	INFORMATION
ROUTINE	

☒ ORIGINAL MESSAGE

REFERS TO ANOTHER MESSAGE

IDENTIFICATION	CLASSIFICATION

MULTIPLE ADDRESS

FOR MCI FROM ALFGF-I 01057

1AX0-3

MINNEAPOLIS MORNING TRIBUNE OF 21 OCTOBER REPORTED THE SIGHTING OF A RED BALL WITH A TRAIL OF SMOKE AND BURNING PARTICLES BY PERSONS AT WINONA MINNESOTA CMA BRITTON SOUTH DAKOTA CMA ABERDEEN S D AND ST PAUL AT 0600 ON 20 OCTOBER PD A COPY OF NEWSPAPER CLIPPING BEING FORWARDED BY AIRMAIL PD NOTHING IN THIS REPORT INDICATES GREATER VALIDITY THAN REPORTS OF PREVIOUS SIGHTINGS PROVED GROUNDLESS

Regular Army

RETURN TO AIR INFOR

AUG 25 23 11 '43

SECURITY CLASSIFICATION
UNCLASSIFIED

AUTHORIZATION
SIGNATURE
C W Davis
C. W. DAVIS

ORIGINATING AGENCY

SYMBOL	DATE-TIME GROUP	OFFICIAL TITLE	PAGE
ALFGF-I Capt J.A.KJELLSTROM EXT 702	222457 Oct 43	CWD, USA, Asst Adjutant General	1 OF 1

WD AGO FORM 11-168 15 JUN 1945 — This form supersedes WD AGO Form 11-168, 23 Aug 44, and WD AGO Form 801, 12 Mar 43, which are obsolete.

16—45801-1 ☆ U. S. GOVERNMENT PRINTING OFFICE

INCIDENT NO 185

[redacted]
HEADQUARTERS FIFTH ARMY
1660 E. Hyde Park Blvd.
Chicago 15, Illinois

AIFDR-I

UNCLASSIFIED

5 November 1948

SUBJECT: "Reported Flying Disc"

TO : Commanding General
Hq Air Materiel Command
Wright-Patterson Air Force Base
Wright Field, Ohio
ATTN: MCIAXO-3

1. Receipt is acknowledged of request for investigation of "Flying Saucers".

2. Investigation will be completed as quickly as possible and a report forwarded to your office.

FOR THE COMMANDING GENERAL:

PRENTICE O. MORGAN
Major, GSC
Chief, Intelligence Division
Office of AC of S, G-2

UNCLASSIFIED

184

[redacted]

[redacted]

UNCLASSIFIED

8 4 3 5

AIFOP-I 2nd Ind. JAK/gw

HQ FIFTH ARMY, 1660 E Hyde Park Blvd., Chicago 15, Illinois, 7 January 1949.

TO: Commanding General, Hq Air Material Command, Wright-Patterson Air Force Base, Wright Field, Ohio, ATTN: MCIAIO-3.

1. Forwarded herewith is Agent's report and EEI on reported "flying disc."

2. No further statements are available due to reluctance of witnesses to testify.

FOR THE COMMANDING GENERAL:

3 Incls:
#1 - ns
#2 - w/d
Added:
#3 - EEI re Sighting of "flying disc" on 1 Oct 48
#4 - Agent's rpt dtd 23 Dec 48 (in dup)

PRENTICE O. MORGAN
Major, GSC
Chief, Intelligence Division
Office of AC of S, G-2

DOWNGRADED AT [illegible] INTERVALS
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

INCIDENT NO 185

UNCLASSIFIED

See Tergo Sheet for enclosures 185

[redacted]

UNCLASSIFIED

1st Ind MCIAMD-3/GWT/ax

Hq AMC, Wright-Patterson Air Force Base, Wright Field, Ohio. 1 Nov 1948

TO: Commanding General, Hq Fifth Army, 1660 East Hyde Park Blvd, Chicago 15, Illinois

1. This office is engaged in a continuing investigation of all reported sightings of unidentified aerial phenomena and has been authorized direct communication with Army elements by Department of the Army letter dated 25 March 1948, subject: "Unconventional Aircraft".

2. It is requested that Intelligence Officer interview all available witnesses to the observations as reported by inclosure of basic letter and obtain detailed signed statements of the observed phenomena.

3. Enclosed are five (5) copies of "Essential Elements of Information" to aid the interviewing officers in obtaining data from the witnesses.

4. Investigation of the Fargo incident has been carried out by this Hq and therefore this item may be disregarded by your office.

5. All collected data should be forwarded directly to the Commanding General, Hq AAF Materiel Command, Wright-Patterson Air Force Base, Wright Field, Ohio, attention: MCIAXO-3.

FOR THE COMMANDING GENERAL:

AXO-3 file cy

2 Incls
1. B/C
2. "EEI" - 5 cys

H. M. McCOY
Colonel, USAF
Chief, Intelligence Department

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

[redacted]

185
4-5

UNCLASSIFIED [redacted]

OFFICE OF THE INTELLIGENCE OFFICER
2465TH AIR FORCE RESERVE TRAINING CENTER
WOLD CHAMBERLAIN FIELD
MINNEAPOLIS, MINNESOTA

25 October 1948

SUBJECT: Information on Flying Discs

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

1. In compliance with AMC Letter 200-1, dtd 25 March 1948, the following report is submitted.

a. Unidentified aerial object sited on 20 October 1948 at approximately 0550 hours by civilians in Minneapolis, Minnesota.

(1) The following is the summary of the interviews with witnesses.

(a) Location-13th and Lake Street, Minneapolis, Minnesota at approximately 0545 hours and at 7th Street and 4th Avenue, Minneapolis, Minnesota at 0550 hours, 20 October 1948.

(b) Weather clear, scattered clouds, cloud bank north-northeast. Several stars showing in the east.

(c) Names of witnesses are as follows:

[redacted]
St. Paul, Minnesota
Occupation: Teletype operator
Associated Press
Minneapolis, Minnesota

[redacted]
Minneapolis, Minnesota
Occupation: Mailman

Witnesses not contacted were [redacted] and [redacted], both of Winona, Minnesota and [redacted] pilot for Northwest Airlines, Seattle, Washington.

(d) No indication of photographs having been taken.

[redacted]

INCIDENT NO 185

Subj: Information on Flying Discs 22 October 1948

(e) Sketches of object's configuration are attached.

(f) Object sited:

1. One object.
2. Round with tail 1/3 again as long as the diameter of the object.
3. Size when related to object on ground appeared to be approximately six (6) feet in diameter.
4. Orange flame colored.
5. Speed estimated to be three (3) times again as fast as jet aircraft seen flown in this area.
6. Object was heading in a direction from south-southwest to north-northeast.
7. Object following a straight course in a horizontal attitude seemingly losing very little altitude.
8. Witnesses estimated altitude to be from 5,000 to 10,000 feet.
9. No indication of sound.
10. No indication of exhaust trail by witnesses, but they state that there was a flame trail varying from 1/3 again the size of the object to many times again the diameter of the main body.

(g) Witnesses stories seem to conform in pattern throughout. The front of the object seemed to be blurred as if enveloped in smoke; whereas the rest of the main body was a fiery orange color. The tail of the object seemed to be boiling sheets of flame, which carried on back at variable distances and broke off dropping vertically for a short distance and then becoming indistinguishable. The object was last seen by the two witnesses, entering the cloud bank to the north-northeast and disappearing.

2. Attached are clippings from Twin Cities papers giving account of subject object.

FOR THE COMMANDING OFFICER;

2 Incls.
Sketches of witnesses
Clippings from Twin-Cities papers

ROBERT W. BAILIE
1st Lt., USAF
Intelligence Officer

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

[redacted]

DOCUMENT NO 185

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

UNCLASSIFIED

UNCLASSIFIED

[redacted] drawing
Copy

Stars

Orange Color

Flame

Direction of Flt.

cloud bank

sir

E

S

N

W

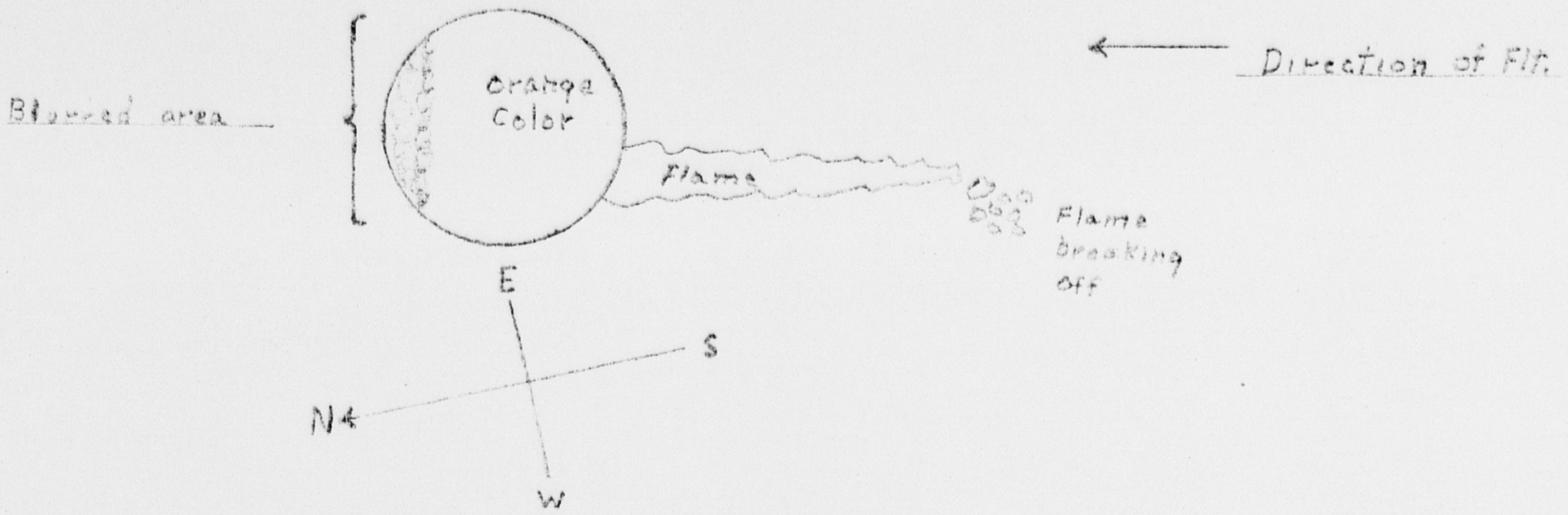
7th St. + 4th Ave
Minneapolis

+ [redacted]
Position

INCIDENT NO 145

UNCLASSIFIED
[redacted]

Oliver drawing
copy



UNCLASSIFIED

DOWNGRADED AT 3 YEAR INTERV[redacted]
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

[redacted]

UNCLASSIFIED

HEADQUARTERS FIFTH ARMY
1660 East Hyde Park Blvd
Chicago 15, Illinois

AIFGF-I

25 October 1948

SUBJECT: "Reported Flying Disc"

TO: Commanding General
Air Material Command
Wright-Patterson AFB
Dayton, Ohio
ATTN: MCI

1. Attached herewith is a copy of a newspaper clipping from the Minneapolis Morning Tribune dated 21 October 1948, on so called "flying discs."

2. No further investigation is being conducted by this Headquarters.

FOR THE COMMANDING GENERAL:

Incl
As stated above

PRENTICE G. MORGAN
Major, GSC
Chief, Intelligence Division
Office of AC of S, G-2

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

UNCLASSIFIED

[redacted] INCIDENT NO 185

[redacted]

UNCLASSIFIED

Mpls. Star Tribune
20 October 1948

RIGHT SHE "BALLS OF FIRE" DUCK! IT'S THOSE SUACH-S AGAIN

A red ball of fire, which left a trail of smoke and burning particles, was seen floating northward across the Minneapo is sky Wednesday morning by a man who said he was stone sober.

And in two other Upper Midwest points, variations of the familiar "Flying saucers" were reported.

At Win na, Minnesota, [redacted] and [redacted] said they saw a slowly traveling bbject which broke up into numerous bright particles over the town at 6 a.m. yesterday.

25 FEET LONG

They said it was about 25 feet long and eight feet wide and appeared to be "a bunch of sparks with a tail."

An Aberdeen, S.D., hunter said he saw red and green lights north of Britton, S.D., early yesterday morning high in the eastern sky. The lights seemed to dart into a cloud bank and plummet to earth, he said.

The Marshall county sheriff, however, said there had been no reports of plane crashes or anything else hitting the ground in the Britton vicinity.

A farm woman near Aberdeen said she was up early doing chores, when she noticed what she believed to be a comet shoot across the sky and disappear into the earth.

Apparently the same object was reported over Aberdeen, S.D., by [redacted] Northwest Airlines pilot from Seattle, Wash. [redacted] said he sighted a red ball, trailing fire, moving very fast from south to north a few minutes before 6 a.m.

ALL SAW IT AT 6 A.M.

Although the communities in which the mysterious lights were sighted are many miles apart, there was an almost identical agreement on the hour--around 6 a.m. yesterday.

[redacted], St. Paul, noticed a "ball of fire" in the eastern sky as he parked his car in downtown Minneapolis a few minutes before 6 a.m.

[redacted], a postoffice employe, who lives at [redacted] was waiting for a streetcar with a companion about 5:45 a.m. when both saw "A big ball of fire." "It was some distance away, moving slowly and appeared to be leaking fire," [redacted] said.

Three weeks ago a Fargo, N.D., pilot engaged in a dogfight with a mysterious flying missile, his unsuccessfulpursuit of the swiftly moving object was witnessed by another pilot and two airport tower operators.

UNCLASSIFIED

[redacted]

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10
INCIDENT NO 135

[redacted]
UNCLASSIFIED

COPIES OF CLIPPINGS FROM THE FOLLOWING TWIN CITIES NEWSPAPERS:

St. Paul Despatch
20 October 1948

MORE "BEAT-IS-IT" CALLS HERE--NEW SKY OBJECT INTRIGUES

An object in the sky, traveling rapidly from the southwest to the northeast, caused much comment and many telephone calls today.

Residents in both St. Paul and Minneapolis reported seeing it, and while it is believed to be some sort of test balloon no balloons were reported aloft by General Mills, which has been conducting tests, or the Weather bureau.

One woman reported it looked like some astronomical display but [redacted], professor of astronomy at the University of Minnesota, who said he had received many telephone calls about it, expressed the opinion it was a balloon. Some observers said it looked more like a skyrocket and was traveling too fast for a balloon.

Mpls. Morning Tribune
21 October 1948

"SAUCERS" COME BACK; SIX SEE BALLS OF FIRE

A red ball of fire, which left a trail of smoke and burning particles, was seen floating northward across the Minneapolis sky Wednesday morning by a man who said he was stone sober.

And in two other Upper Midwest points, variations of the familiar "flying saucers" were reported.

At Winona, Minnesota, [redacted] and [redacted] said they saw a slowly traveling object which broke up into numerous bright particles over the town at 6 a.m. yesterday.

25 FEET LONG

They said it was about 25 feet long and eight feet wide and appeared to be "a bunch of sparks with a tail."

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The Marshall county sheriff, however, said there had been no reports of plane crashes or anything else hitting the ground in the Britton vicinity.

A farm woman near Aberdeen said she was up early doing chores, when she noticed what she believed to be a comet shoot across the sky and disappear into the earth.

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10
UNCLASSIFIED
[redacted]

Dr HYNEK'S EVALUATIONS EXTRACTED FROM PROJECT GRUDGE REPORT.

INCIDENT INDEX

1. Astronomical

a. High probability:
#26, 27, 30, 31, 32, 33, 34, 48, 49, 59, 60, 66, 69, 70, 94, 95, 96, 97, 98, 101, 102, 103, 104, 116, 119, 132, 136, 140, 147, 148, 158, 174, (184), 185, 187, 197, 203, 204, 208, 216, 219, 238.

b. Fair or low probability:
#19, 20, 23, 24, 28, 35, 36, 46, 50, 63, 67, 80, 82, 93, 100, 112, 120, 121, 129, 130, 144, 153, 165, 166, 167, 175, 192, 199, 202, 205, 220, 230, 240.

2. Non-astronomical but suggestive of other explanations

a. Balloons or ordinary aircraft:
#3, 11, 22, 41, 42, 53, 54, 73, 81, 83, 91, 92, 113, 114, 115, 126, 131, 138, 141, 145, 155, 156, 157, 159, 160, 161, 163, 169, 171, 173, 178, 180, 182, 188, 190, 194, 195, 196, 198, 200, 201, 209, 210, 217, 222, 235, 237, 239.

b. Rockets, flares or falling bodies:
#4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 25, 56, 65, 78, 106, 107, 108, 109, 133, 170, 211, 218.

c. Miscellaneous (reflections, auroral streamers, birds, etc.):
#39, 89, 123, 124, 128, 146, 164, 181, 189, 214, 221, 231, 234.

3. Non-astronomical, with no explanation evident

a. Lack of evidence precludes explanation:
#38, 44, 45, 47, 55, 57, 72, 86, 87, 88, 90, 99, 110, 117, 118, 125, 127, 137, 139, 149, 150, 177, 179, 191, 206, 212, 213, 229, 232, 233.

b. Evidence offered suggests no explanation:
#1, 2, 10, 17, 21, 29, 37, 40, 51, 52, 58, 61, 62, 64, 68, 71, 75, 76, 77, 79, 84, 105, 111, 122, 135, 151, 152, 154, 162, 168, 172, 176, 183, 186, 193, 207, 215, 223, 224, 225, 226, 227, 236, 241, 242, 243, 244, 134.

Incident No. 193 -- 24 Oct. 1948, between 1100 and 1330 GMT, Neubiberg, Germany.
An Air Force Officer heard a sound like an F-47 at high altitude, looked up and saw a dark object shaped like a coin at undetermined altitude, 60° elevation flying southwest at fast undetermined speed in level flight.

AMC Opinion: There is nothing to controvert the conclusion that this object was a conventional aircraft at a range outside the limit of visual resolution.

UNCLASSIFIED

Incident #193 -- near Neuoiberg, Germany -- 24 October 1948

It is very unlikely that this incident has any astronomical explanation. No trail nor luminescence was observed, and the object flew a straight and level course. Time in sight (two minutes) also effectively rules out any possible astronomical hypothesis.

Could the object reported here have been a conventional aircraft viewed in foreshortened aspect?

UNCLASSIFIED

24 Oct 48

With 104 incidents thus eliminated, there remain thirty-four which contain some evidence but have no apparent ready explanation. This statement is true only under the assumption that the evidence is accepted as reliable and accurate. When psychological and physiological factors are taken into consideration, all of these incidents can be explained rationally, as pointed out by Rand Corporation [illegible] Air Material Command Aero-Medical Laboratory (see [illegible] and "G").

Air Material Command Aero-Medical Laboratory (Dr. Paul [illegible]

212 Incidents considered)

There are sufficient psychological explanations for the reports of unidentified flying objects to provide plausible explanations for the reports not otherwise explainable. These errors in identifying real stimuli result chiefly from inability to estimate speed, distance, size.

All of the remaining 34 incidents are treated in detail in this report. These incidents form no pattern in regard to area of sighting, type of object, or manner of performance. There are indications however, that some sightings were influenced by earlier reports, probably would not have been considered unusual or reported if there had been no publicity.

APPENDIX I

Project Grudge

Summary of AMC Evaluation of Remaining Reports

VII. Summary of AMC Evaluation of Remaining Reports

The remaining unexplained incidents (see Appendix "I") exhibited four common characteristics. Two of them, by statements of the reporters, would not have been made had the witnesses not read of the first earlier incident (Incident No. 17). Most were distributed without pattern throughout the United States. A few were outside the U. S. No two descriptions of appearance or performance were exactly alike. The reported sightings occurred at various times of day and year.

APPENDIX I

In the following section of this report, each remaining unexplained incident is considered separately. It is not the intent to generally discredit the character of observers, but each case has undesirable elements, and these cannot be disregarded. The numerical designation is merely the categorical order of the incident in the project files.

1, 10, 17, 21, 29, 35, 37, 40, 51, 58, 62, 64, 68, 71, 75, 76, 77, 79, 84,

111, 122, 134, 135, 151, 152, 154, 162, 168, 176, 183, 186, (193), 207, 215, 236.

HEADQUARTERS
AIR WEATHER SERVICE
Andrews Air Force Base
Washington 25, D. C.

In Reply
Refer To: AWS DSS

11 May 1949

SUBJECT: Unidentified Flying Objects

TO : Commanding General
Air Materiel Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTN: MCIAXO-3

1. Reference is made to letter from your headquarters, MCIAXS, dated 9 March 1949, subject "Unidentified Flying Objects," and first indorsement thereto by this headquarters, dated 31 March 1949.

2. The incident summaries 173 through 233 have been checked against routine weather-balloon ascents made by the Air Force, Navy and Weather Bureau. Comments based on this review are inclosed.

3. It is recommended that the "Guide To Investigation Of Unidentified Aerial Objects" be changed as follows: Item 13, "Direction of Flight of Object," should be clarified so that vertical and horizontal motions are distinguished if possible, and so that motion is specified as the direction towards which the object appears to move. "Relative to Radar Settings" should include a statement of the type of radar set used.

FOR THE CHIEF, AIR WEATHER SERVICE

/s/ W. A. West
W. A. WEST
Lt. Col., USAF
Adjutant General

2 Incls:
1 - Incident Summaries
2 - Comments 173 thru 233

No. 193: No date given; very little information; cannot determine object.

Dr HYNEK'S EVALUATIONS EXTRACTED FROM PROJECT GRUDGE REPORT.

INCIDENT INDEX

1. Astronomical

a. High probability:
#26, 27, 30, 31, 32, 33, 34, 48, 49, 59, 60, 66, 69, 70, 94, 95, 96, 97, 98, 101, 102, 103, 104, 116, 119, 132, 136, 140, 147, 148, 158, 174, 184, 185, 187, 197, 203, 204, 208, 216, 219, 238.

b. Fair or low probability:
#19, 20, 23, 24, 28, 35, 36, 46, 60, 63, 67, 80, 82, 93, 100, 112, 120, 121, 129, 130, 144, 153, 165, 166, 167, 175, 192, 199, 202, 205, 220, 230, 240.

2. Non-astronomical but suggestive of other explanations

a. Balloons or ordinary aircraft:
#3, 11, 22, 41, 42, 53, 54, 73, 81, 83, 91, 92, 113, 114, 115, 126, 131, 138, 141, 145, 155, 156, 157, 159, 160, 161, 163, 169, 171, 173, 178, 180, 182, 188, 190, 194, 195, 196, 198, 200, 201, 209, 210, 217, 222, 235, 237, 239.

b. Rockets, flares or falling bodies:
#4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 25, 56, 65, 78, 106, 107, 108, 109, 133, 170, 211, 218.

c. Miscellaneous (reflections, auroral streamers, birds, etc.):
#39, 89, 123, 124, 128, 146, 164, 181, 189, 214, 221, 231, 234.

3. Non-astronomical, with no explanation evident

a. Lack of evidence precludes explanation:
#38, 44, 45, 47, 55, 57, 72, 86, 87, 88, 90, 99, 110, 117, 118, 125, 127, 137, 139, 149, 150, 177, 179, 191, 206, 212, 213, 229, 232, 233.

b. Evidence offered suggests no explanation:
#1, 2, 10, 17, 21, 29, 37, 40, 51, 52, 58, 61, 62, 64, 68, 71, 75, 76, 77, 79, 84, 105, 111, 122, 135, 151, 152, 154, 162, 168, 172, 176, 183, 186, 193, 207, 215, 223, 224, 225, 226, 227, 236, 241, 242, 243, 244, 134.