7 08/0330?

UNCLASSIFIED

DATE OF INFO 7 July 47

LOCATION Arlington, Va.

SOURCE Air Force Lt Col

DATE IN TO ATIC

COLOR reflected white light

SPEED that of a jet

ALTITUDE less than 500'

LENGTH OF TIME OBSERVED 1-3 secs

TYPE OF OBSERVATION from ground

MANEUVERS ------

PHASE ------ SKETCH'S yes

Aero (Wright Fld)

Temporary ATIC Form 329
(2 Jan 52)

UNCLASSIFIED

[redacted]

UNCLASSIFIED

Incident #80 -- Arlington, Virginia -- 7 July 1947

There is nothing in the description of this incident that contradicts an explanation of the object as a slow-moving, bright meteor. Slow-moving meteors are generally observed before midnight.

UNCLASSIFIED

[redacted]

9-912-4

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.

[redacted]

UNCLASSIFIED

E 4

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 80

1. Date 7 July 1947
2. Time 2230-2300
3. Location Arlington, Va.
4. Name of observer [redacted]
5. Occupation of observer Lt Col., AC
6. Address of observer N/S
7. Place of observation Arlington, Va. [redacted]
8. Number of objects 1
9. Distance of object from observer 3/4 mile
10. Time in sight 2-3 seconds
11. Altitude less than 500 ft
12. Speed that of jet
13. Direction of flight SOUTH EAST
14. Tactics N/S
15. Soumd N/S
16. Size Small plane
17. Color Reflected white light
18. Shape "blob"
19. Odor detected N/S
20. Apparent construction N/S
21. Exhaust trails None
22. Woather conditions Scattered clouds - Visibility: 10-12 mi.
23. Effect on clouds None
24. Sketches or photographs 2
25. Manner of disappearance behind trees
26. Remarks: (over)

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

UNCLASSIFIED

[redacted]

170

[redacted]

Observed from a bedroom window as a blob of light crossing at very high speed estimated by observer at approx 1350 MPH. "In color, the object had the appearance of a reflected white light, a cool bright white light with no red in it, like the moon on a clear night."

[redacted]

UNCLASSIFIED

OFFICE OF THE AIR INSPECTOR
2 June 1947

MEMORANDUM TO: AC/AS-2, Counter Intelligence Branch

1. Information contained herein and opinions expressed are based upon conversation with and request by Mr. [redacted] of your office. All pertain to certain phenomena connected with recent widespread sightings of "flying saucers".

2. Approximately three weeks ago, on or about 7 July 1947, I prepared to go to bed around 2230 or 2300 EDT. I was living at [redacted] Arlington, Virginia, with my wife. Illustration No. 1 shows the general layout of the room we occupied at that time. See Illustration No. 1.

CLASSIFIED

5. I had just turned off the light by my bedside, but it was dark on the side of the bed to where the end of the radio program was coming. In the meantime, my wife and I were discussing the selection of certain furniture for a home we had just purchased. At the time of these events, I was facing the window. A light appeared at the right-hand edge of the curtain and moved rapidly along to disappear below the trees or horizon. It was estimated that it took [illegible] to cross [illegible] degrees of arc. [illegible] This is illustrated on the following page by a very rough sketch. See Illustration No. 2.



CLASSIFIED

4. At the time, since my attention was divided and absorbed among the subjects mentioned, my reaction was simply that "a light passed by," and I gave no further thought to the matter until some moments later, when the thought came to me that I had never seen such an object before, and that although the first explanation would have been that a meteor had fallen toward earth in that direction, it did not have the appearance of any meteor or "shooting star" I had ever seen. Thinking of the then-prevalent talk of flying disks, I reflected that probably some such thing as I had just seen was the source of a large amount of newspaper and radio publicity on the subject. The next morning I jokingly announced in the office that I saw a flying saucer the night before and thought that it was enroute to Alexandria, where some of our officers live. I then went on to say that I supposed it was a shooting star, but that it did look somewhat peculiar. After we had discussed the general topic for some time, I dropped the subject, not wishing to add to the supposed rumors, which I questioned as a source of terrific panic over the country.

5. A description of the light, or object is almost impossible, since observation of it was so limited. As shown in Illustration No. 2, the object appeared to pass in closest proximity to me at the time it came into view. All of my mental calculations were based upon some impression or consideration of its distance at the closest point, (A). I had no way of judging this, except in the form of very crude depth perception. If this by any chance were correct, and instead of a fast moving meteor some object had passed near-by, I would estimate for purposes of description that the distance A or the object was about three quarters of a mile. One factor which I could judge quite reliably was the angular elevation. This must have been approximately 5 or 6 degrees. In any case, the light was intermittently behind the tallest trees forming on my position as I parked, and these trees are of a normal height, perhaps sixty or eighty feet at a distance several blocks. Based upon a mile assumption as to distance, and a reasonable assumption as to angular elevation, the object would be at a low altitude, considerably below 500 feet, and of a size approximating a small airplane, say 30 feet across. The shape may have been round, oval, discoid, or irregular. At the speed with which it travelled, I could only perceive it as a "blob". I do not consider the distance mentioned to be less than 3/4 mile, because had it been, I feel sure that, late in the evening and with all my windows open, I would have heard some sound, which I definitely did not in this case. It might be well to point out here the relative similarity in size, altitude and airspeed of a firefly at a distance of 30 feet, an airplane at about 3/4 mile, and a meteor at several hundred miles. Most of us are familiar with this illusion.

6. Although I could not accurately judge the time I seem to recall the object or light was visible for a couple of seconds. Taking this figure literally and applying it to the sketch No. 2, one could roughly compute the speed of the object at 1350 mphs however I did not sense that it was moving with such great speed as this. It rather appeared to move with the speed of a jet-powered airplane. It did not deviate from a straight course while I observed it, and did not perceptibly lose altitude.

7. In color, the subject had the appearance of a reflected white light, a cool, bright white light with no red in it, like the moon on a clear night. There was no train visible to me, in the form of fire, smoke, or sparks. The weather at the assumed time and date was checked through records of the Boiling Field weather office, and consisted of scattered to broken clouds with visibilities of 10 - 12 miles. The cloud condition is further indication that the object was not necessarily a meteor, since it might have been impossible to see a meteor. I do not personally remember the weather condition, except that I am sure it was not raining.

8. At the time of this occurrence, I was not inclined to think of it seriously enough to wake my wife and describe it to her, nor by any reasoning to make official report. As time passed, I thought considerably about the fleeting glimpse I had of whatever it was, and am still somewhat confused, but feel that it was some natural phenomenon which occurs but rarely. I have flown approximately 2500 hours during the past seven years and being generally familiar with aspects of aviation can emphatically state that (a) it was no weather balloon, (b) it was not the flash of a beacon on the cloud-base, (c) it could hardly have been an airplane on fire, since it would have at least crashed in this general area, (d) it was not entirely a result of imagination, and (e) it was not spending much time in one place.

[redacted]

2

7 081C4

DATE 1-4 [illegible]

AP [illegible]

PASSED [illegible]

FILE NO. [illegible]

TO [illegible]

STAND [illegible]

TIME OF OBS 2230 CST

PARALLAX [illegible]

OBSERVER Chrow & Rise

COLOR [illegible]

TYPE Silver dollar, 1/4 in. thick

SPEED [illegible]

[illegible]

ALTITUDE [illegible]

[illegible]

LENGTH OF TRAIL [illegible]

NO. OF OBSERVERS 1

TYPE OF OBSERVATION [illegible]

[illegible]

AZIMUTH [illegible]

[illegible]

Trail to record [illegible]
Duration [illegible]
to zero [illegible]

[illegible]

(Form 97)

[illegible]

KIS [illegible]

S/C 0024

July 47

DATE IN TO ATIC

FOLDR

SPEED Slow

ALTITUDE Nearly

LENGTH OF TIME OBSERVED

TYPE OF OBSERVATION

MANEUVERS descended and climbed

Object moved to the ground in ... ing motion then climbed. It only ... fairly high altitude then moved ... the distance

Blurry

... ATIC Form 329
(Jan 52)

[redacted]

UNCLASSIFIED

Incident #2, 2a -- Auroc, California -- 8 July 1947

No astronomical explanation is possible for this incident.

The object's slow speed and apparent size suggest aircraft under unusual light conditions, but the tactics argue against this interpretation.

UNCLASSIFIED

[redacted]

A 31-P1

[redacted]

HEADQUARTERS FOURTH AIR FORCE
Office of the Assistant Chief of Staff, A-2
~~Intelligence~~
Hamilton Field, California

[redacted]

UNCLASSIFIED

TITLE Investigation of Flying Disc.	INVESTIGATION MADE AT ~~Muroc AAF, Muroc, Calif.~~
	CONTROLLING OFFICE ~~Air Defense Command, Mitchel Field.~~
FILE NO. ~~1208-I~~	PERIOD COVERED ~~8 July 1947~~
	CASE CLASSIFICATION ~~Incident~~
DATE ~~13 August 1947~~	STATUS OF CASE Pending

REASON FOR INVESTIGATION: Investigation initiated at request of Air Defense Command reference ltr Hq ADC, dtd 7 Jul 47, file D333.5 ID, subj: Investigation of Flying Disc.

SYNOPSIS:

On 8 July 1947, approximately 1000 hours, two incidents occurred in the vicinity of Muroc Flight Test Base.

No further investigation of these incidents is being considered by this headquarters.

DISTRIBUTION	COPIES
AAF	2
ADC	1
6th Army	1
FBI, S.F.	1
File AAF	1

APPROVED:

DONALD L. SPRINCHR, Lt. Col., GSC
AC of S, A-2

ZINC FILE - 2

W. D., P. M. G. Form No. 110
1 April 1944
(This form supersedes W. D., O. C. S. Form No. 19, which will not be used upon receipt of this revision)

[redacted]

UNCLASSIFIED

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 2a

1. Date 8 July 1947
2. Time Approximately noon
3. Location Murco Army Air Field, Murco, California.
4. Name of observer Col Gilkey to Capt Black
5. Occupation of observer Commanding Officer, Murco Army air Field, Calif.
6. Address of observer Murco AAF, Murco, California.
7. Place of observation Ground
8. Number of objects one (1)
9. Distance of object from observer not stated
10. Time in sight not stated
11. Altitude not stated
12. Speed not stated
13. Direction of flight not stated
14. Tactics The object Col Gilkey saw he stated he believed at the time to be paper and of no significance or the object not important enough to be reported.
15. ~~Sound~~ SOUND not stated
16. Size not stated
17. Color not stated
18. Shape not stated
19. Odor detected not stated
20. Apparent construction
21. Exhaust trails not stated
22. Weather conditions not stated
23. Effect on clouds not stated
24. Sketches or photographs none
25. Manner of disappearance not stated

UNCLASSIFIED

26. Remarks: The following is a statement given orally by Colonel Gilkey, to Captain Harry D. Black, Intelligence officer on 11 August 1947.
Colonel Gilkey, stated that the object he saw, he valieved at the time to be paper and of no significance or tthe objects not important enough to be reported There was nothing clearly enough seen by the Colonel to make any further

BLUE BOOK FILE 2

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 2.

1. Date 8 July 1947
2. Time Approximately noon
3. Location Muroc Army Air Field, Muroc, California.
4. Name of observer Major Richard R. Shoop
5. Occupation of observer Employed in Office of Chief of Tech. Engineering Div Major -
6. Address of observer Muroc Army Air Field, Muroc, California.
7. Place of observation Ground
8. Number of objects One (1)
9. Distance of object from observer Five (5) to eight (8) miles.
10. Time in sight Eight (8) minutes
11. Altitude fairly high altitude
12. Speed slowly
13. Direction of flight North
14. Tactics The object moved from an intermediate altitude in an oscillating fashion, almost to the surface of the ground and then started climbing again.
15. Soumd not stated
16. Size pursuit airplane
17. Color aluminum colored surface
18. Shape unconventional shape
19. Odor detected not stated
20. Apparent construction apparently metallic
21. Exhaust trails not stated
22. Weather conditions not stated
23. Effect on clouds not stated
24. Sketches or photographs none
25. Manner of disappearance moved off slowly in the distance

26. Remarks: At approximately noon on 8 Jul 1947, Major Shoops, at the attention of Col. Gilkey observed five (5) to eight (8) miles to the north what appeared to be a thin metallic object. It appeared to be metallic because the method in which it was flying the sun was reflected from an apparently aluminum colored surface.

ENC FILE 2

UNCLASSIFIED

B/Ltr from AMC
dtd 5 Jan 1949
Subj: Project
"SIGN"

AWS DSS 1st Ind 24 Jan 1949

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

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

Investigations by this headquarters reveal that a synoptic weather balloon could have been at the location where sightings were reported in the following incidents. In compiling this list consideration was given to the wind direction and speed at the surface and aloft at the scheduled time of balloon release, and the location of the nearest weather station making balloon observations.

2	52	91	126
3	72	93	148
4	73	94	155
25	78	105	166
28	81	113	169
36	87	115	172

FOR THE CHIEF AIR WEATHER SERVICE

[redacted]

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

2 Incls:
n/c

8/1734

UNCLASSIFIED

834 47

CAL. F

With 194 incidents thus eliminated, there remain thirty-four which contain some evidence but have no apparent readily 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 and Dr. Fitts of Air Materiel Command Aero-Medical Laboratory (see Appendixes "E" and "G").

Air Materiel Command Aero-Medical Laboratory (Dr. Paul M. Fitts - 212 Incidents considered)

There are sufficient psychological explanations for the reports of unidentified flying objects to provide plausible explanations for reports not otherwise explainable. These errors in identifying real stimuli result chiefly from inability to estimate speed, distance, and 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, and probably would not have been considered unusual or reported had there 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 few common characteristics. Two of them, by statements of the reporters, would not have been made had the witnesses not read of the Mt. Ranier 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.

Incident No. 1 — 8 July 1947, 0930 hours local, Muroc Air Force Base. Four witnesses, all observed two silver disc like or spherical objects against a clear bright sky. All witnesses estimated the altitude at about 6000 feet, and the speed between 300 and 400 MPH. It is possible to estimate distance and speed of an object with a fair degree of accuracy if the size is known. The distance is judged on the known size and speed on an estimate of distance, plus angular change in position (see page 6, app. G). In this incident the size could not be known, owing to the fact that the object was not identified. The time in sight and angular distance traveled were not given. However, the first witness stated he sighted the objects at 0930, and the last witness said he was called to view the objects at 1000. Time in sight is therefore assumed to be at least one-half hour. The objects reportedly traveled in a straight line. Taking the mean reported speed (350 MPH), the objects must then have traveled 175 MPH while in sight. If the objects were of such proportions as to be seen at that distance, it is believed that more details could have been observed at the first sighting. Two additional remarkable aspects of this case are:

1. A few moments previous to the sighting, the first witness was engaged in conversation. Quoting the witness, "My part in this conversation was as follows: 'Someone will have to show me one of those discs before I will believe it.'"

2. The statements of the three other witnesses were made to the first witness. All three agree almost identically with the first. It is probable, therefore, that their evidence was influenced by suggestion.

AMC Opinion: This report is a result of misinterpretation of the nature of real stimuli, probably research balloons.

UNCLASSIFIED

Incident #1, 1c, 1d, 1e -- Muroc, California -- 8 July 1947

No astronomical explanation for this incident is possible.

It is tempting to explain the objects as ordinary aircraft observed under unusual light conditions, but the evidence of the "tight circle" maneuvers, if maintained, is strongly contradictory. This incident must be judged with reference to other similar incidents, which probably have a common explanation.

UNCLASSIFIED

UNCLASSIFIED

1. Date: 5 July 47
2. Time: 0945
3. Location: Muroc AAFB, Muroc [illegible] N 34° 51' W 117° 51'
4. Name of observer: S/Sgt Dragoo, Angelo
5. Occupation of observer: MP & Passage, Traffic Control Officer
6. Address of observer: Muroc AAF, Muroc, Calif.
7. Place of observation: Ground - Visual
8. Number of objects: 2
9. Distance of objects from observer: U/K
10. Time in sight: U/K
11. Altitude: Between 7500 to 8000 ft.
12. Speed: 350 - 400 MPH
13. Direction of flight: Northeasterly
14. Vertical: U/K
15. Sound: None
16. Size: U/K
17. Color: Silver
18. Shape: Saucer - one like domed.
19. Odor detected: U/K
20. Apparent construction: U/K - Appeared metallic.
21. Composition: U/K
22. Number in formation: U/K
23. Maneuvers: U/K
24. Other observations on objects: None
25. Remarks: Witness, Not in Charge of Duty (Since published AF Ltr. (over)

[redacted]

Witnesses: S/Sgt Gerald W. Mc Kennon
T/Sgt Joseph Revello
[redacted]

1— Date 2 July 1947

2— Time 0950

3— Location Vicinity Ace, Wyoming, Mirage Cold

4— Name of observer Capt. Mantell, Godman Field, Kentucky

5— Occupation of observer Military Officers on Duty, Mirage AAFB

6— Position of observer Mirage AAFB.

7— Place of observation Ground — Mirage AAFB

8— Number of objects 2 at first — 1 sometime later

9— Distance of object from observer N/S

10— Path of object N/S

11— Altitude Approx 8000 ft

12— Speed 300 MPH

13— Direction of flight 320° (NW) (from azimuth indication)

14— Position Horizontal path of flight

15— Sound N/S

16— Size N/S

17— Color Silver

18— Shape Disc-like or spherical

19— Odor detected N/S

20— Apparent construction N/S — Appeared shiny metallic

21— Exhaust trails N/S

22— Weather conditions N/S

23— Effect on clouds N/S

24— Sketch or photographs None

25— Number of observations 1st observation

26— Remarks At approximately 0830K Mirage Field Personnel
(over)

UNCLASSIFIED

UNCLASSIFIED

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 16

1. Date 3 July 47

2. Time 10:00

3. Location Muroc Army Air Field, Muroc, Calif

4. Name of observer [redacted]

5. Occupation of observer [redacted] Intelligence Officer

6. Address of observer Muroc AAFld, Muroc, Calif.

7. Place of observation Ground - Muroc

8. Number of objects 3 - two the first time - 1 later

9. Distance of object from observer N/S

10. Time in sight N/S

11. Altitude Approx 8,000 ft

12. Speed 300 to 400 MPH

13. Direction of flight Northwest - toward Mojave, Calif.

14. Tactics First 2 maintained straight horizontal course, the last performed a tight circle

15. Sound none - Witness heard no drone such as would come from any aircraft

16. Size N/S

17. Color Silver

18. Shape Disc

19. Odor detected N/S

20. Apparent construction N/S Apparently metallic

21. Exhaust trails N/S

22. Weather conditions Similar

23. Weather conditions N/S

24. Statements of photographs N/S

25. Influence of disappearance N/S - Apparently as fast as acceleration

26. Remarks: Witness was called by Lt [redacted] together with N/S at

(over)

UNCLASSIFIED

UNCLASSIFIED

[redacted] and S/S [illegible] to the Secretary for the Center of the [illegible]
Reference is made to discussion between [illegible] for [illegible]
[illegible] Meeting held [illegible] 2 [illegible] of [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
Shortly [illegible] [illegible] [illegible] [illegible] [illegible]
Carefully [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
As [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
Certain they have been [illegible] since they [illegible] [illegible]

Some [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

Investigation [illegible] by [illegible]

UNCLASSIFIED

UNCLASSIFIED

8 July 47

5/1952

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, 76, 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.

UNCLASSIFIED

Incident #4 -- Rogers Dry Lake, California -- 8 July 1947

There is no astronomical explanation for this incident.

Is there any definite reason why the object observed could not have been a bursted weather balloon?

[redacted]

On the 8 July 1947 at 11:50 the undersigned was sitting in an observation truck located in Area #3, Rogers Dry Lake, was gazing upward toward a formation of two (2) P-82's and an A-26 aircraft fly ing at 20,000 feet, preparing the carry out of a seat ejection experiment, when I observed a rounded object, white aluminum in color, which at first resembled a parachute canopy. The first impression was that a premature ejection of the seat and dummy had occurred. This body was ejected at a determined height lower than 20,000 feet, and was falling at three (3) times the rate observed for the parachute which ejected thirty minutes later. As it fell it drifted slightly north of due west against the prevailing wind, toward Mount Wilson. The speed, horizontal motion could not be determined, but appeared slower than the maximum velocity P-80 aircraft.

As this object descended through a low enough level to permit observation of its lateral silhouette, it presented a distinct ovular outline, with two (2) projections on the upper surface which might have been thich fins or nobs. These crossed each other at intervals, suggesting either rotation or oscillation of slow type.

No smoke flames, propellar arks, engine noise, or other clasuable or visible mens of propulsion were noted. The color was silvery, resembling aluminum painted fabric, and did not appear as dense as a parachute canopy.

When the object dropped to a level such that comes into line of vision of the mountain tops, it was lost to the vision of the observer.

It is estimated that the object was in line of vision about 90 seconds. Of the five (5) people sitting in the observation truck, four (4) observed this object and made remarks about it. These people include:

Mr. [redacted] - Civilian, Wright Field, Dayton, Ohio.
(Other names not given)

The following is my own personal opinions about this object:

1. I think it was a manmade object, as evidenced distaintly by the outline and functional appearance.

2. It's size was not far from 25 feet with a parachute canopy.

3. The path followed by this object appeared as though it might have been dropped from a great height.

Seeing this was not a hallucination or other fancies of a sense.

[redacted]

[redacted]

UNCLASSIFIED

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 4.

1. Date 8 [redacted] 1947
2. Time 11:50
3. Location Area # 3, Rogers Dry Lake, California.
4. Name of observer Captain John Paul Strapp
5. Occupation of observer Flight Test
6. Address of observer Muroc Army Air Field, Muroc, California.
7. Place of observation Observation Truck, Area #3, Rodgers Dry Lake, Calif.
8. Number of objects One (1)
9. Distance of object from observer 20,000 feet
10. Time in sight 90 seconds
11. Altitude lower than 20,000
12. Speed slower than the maximum velocity 50-60 aircraft
13. Direction of flight Slightly north of due west against prevailing wind
14. Tactics rotation or oscillation of slow type (suggested by 2 fins or nobs on the upper surface which crossed each other at intervals
15. Sound not stated
16. Size About 50'
17. Color silvery
18. Shape resembled a parachute canopy at first then assumed ovular shape
19. Odor detected not stated
20. Apparent construction It presented a distinct ovular outline, with two (2) projections on the upper surface which might have been thick fins or nobs. These crossed each other at intervals, suggesting either rotation or oscillation of slow type.
21. Exhaust trails None
22. Weather conditions not stated
23. Effect on clouds not stated
24. Sketches or photographs none
25. Manner of disappearance Dropped to a level such that comes into line of vision of the mountain tops.
26. Remarks: (over)

[redacted]

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

UNCLASSIFIED

INC FILE 4

B/Ltr from AMC
dtd 5 Jan 1949
Subj: Project
"SIGN"

AWS DSS 1st Ind 24 Jan 1949

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

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

Investigations by this headquarters reveal that a synoptic weather balloon could have been at the location where sightings were reported in the following incidents. In compiling this list consideration was given to the wind direction and speed at the surface and aloft at the scheduled time of balloon release, and the location of the nearest weather station making balloon observations.

2	52	91	126
3	72	93	148
4	73	94	155
25	78	105	166
28	81	113	169
36	87	115	172

FOR THE CHIEF AIR WEATHER SERVICE

2 Incls:
n/c

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

[redacted]

[redacted]

UNCLASSIFIED

Incident #83 -- between Boise & Meridian, Idaho -- 9 July 1947

There appears to be a time discrepancy in this incident: the summary report states that the object was in view 10 to 30 seconds, yet indicates that the observer had time to call a weather station to inquire about balloon releases, and also to expose 10 seconds of 8 mm. film.

In any event, however, besides the fact that no smoke trail was indicated, tactics of the object preclude the possibility of its having been astronomical; meteors do not execute "slow rolls" or climb upward.

A better estimate of speed is needed. The possibility remains that the object may have been an unsymmetrically-painted balloon.

UNCLASSIFIED

[redacted]

[redacted]

Daily Press Times July 10, 1947

Saucers, If Any, Fading Away To Blue Yonder

Chicago, July 9 (U.P.)—The mysterious flying saucers all but disappeared today.

Every report that one of the discs had been found was proved false, and the numbers of reports from persons who claimed to have seen saucers in the sky dropped to a trickle.

Army Air Force headquarters in Washington was reported to have delivered a blistering rebuke to officers at the Roswell, N. M. air base for announcing yesterday that a "flying disc" had been found on a New Mexico ranch. The "disc" turned out to be the remnants of a weather observation balloon, of a type used by the Army.

At Boise, Idaho, Dave Johnson, aviation editor of the Idaho Statesman, reported he had taken motion pictures of a black object he said might be a disc. He said he was able to get only about 10 feet of film before the object disappeared in the sky.

Statement of [redacted]
at Boise, Idaho, July 12, 1947

To Whom It May Concern:

On the sixth day of July, 1947, I received from [redacted] of the Statesman Newspapers, Incorporated in Idaho as The Statesman Printing Company, an assignment which was in substance:

"Conduct an aerial search of the northwest states in an effort to see and photograph a flying disc. Conduct this patrol for so long a time as you believe reasonable, or until you see a flying disc."

In accordance to these instructions, I took the Statesman's airplane, and with [redacted] as passenger, flew a seven and one-half hour mission on the seventh day of July, 1947. This mission was without result. It covered an area embracing the counties of the Panhandle plain in Washington, and generally between and around Mt. Rainier and Mt. Adams, where [redacted] interviewed seeing objects heretofore described as saucers or discs.

On the eighth day of July, 1947, I took an AT-6 of the 190th Fighter Squadron, Idaho National Guard, on which I am a member, and flew to northern Idaho, into northwestern Montana briefly, to Spokane, Washington, and back to Boise by way of Walla Walla, Washington, and Pendleton, Oregon. This search also was negative.

On the ninth day of July, 1947, I continued this search, again using a National Guard AT-6, this time penetrating my efforts over the Owyhee mountains west and southwest of Boise, a portion of the mountain home desert on a route southeast of the Mountain Home army air base, thence into the Sawtooth mountains, and back to the general vicinity of Boise on a long cross-country route to the northeast of the Boise National Forest Service Reservation, across the Boise Basin area, and thence back in a southwesterly direction to Boise between Boise and the [redacted] west of Boise.

A1 A2

During this search, which lasted approximately two and one-half hours, I flew under and around rapidly forming cumulus clouds over what was known as the Owens Brothers, east of Boise. The clouds were near the village of Caldwell in that valley, and Mountain Home is 75 miles airline distance east of Boise. At that time I saw nothing in the vicinity of these clouds.

At the time I reached the point between Boise and Caldwell, I was flying at an altitude of 14,000 feet mean sea level, which would be a mean average of 11,000 feet above the ground in this area, not considering errors in the altimeter induced either by barometric changes since my takeoff, or by the temperature in that atmosphere.

I observed the altimeter on an easterly heading, pointing toward Mountain Home, and was alone on that course for perhaps a minute when [redacted] suddenly appeared in the left hand portion of my field of vision as object which was black and round.

I immediately centered my gaze on the object. At that time, due to [redacted] movement, I thought it was seeking a rendezvous. I called the Strategic Communications station on Boise, and asked if the weather station had recently released a balloon. The reply from communications Albertson was that the [redacted] had not. I do not remember his exact words, I am under the impression he said twice or several times, or gave the time exact time of the previous release, which was almost one hour away.

Upon observing [redacted] movement, I turned more directly toward the object, pulled back the plexiglass covering to avoid any distortion, and took many [redacted] from the rear case, and exposed about 16 seconds [redacted] on each [redacted]

During this time, [redacted] object [redacted] and [redacted] object because of [redacted] and [redacted] by [redacted]

optical view finder with which the camera, an f.1.9 Pastman, was equipped.

Taking away the camera and once again centering my gaze on the object, I observed it to roll so that its edge was presented to me. It then appeared as a thin black line. It then performed a maneuver which looked as if it had begun a slow roll, or a barrel roll, which instead of being completed, was broken off at about the 180-degree point. The object rolled out of the top of the maneuver at this point, and I lost sight of it.

The entire performance was observed against the background of clouds precariously forming over the Canal Frontie. The object appeared to me, relatively, as the size of a twenty-five cent piece. I do not know how far away it was. I do not know, nor can I arbitrarily establish, its speed. I can only say it was not an airplane, and it is my very great conviction that, in its speed was greater, taking into consideration that apparent speed is reduced to the viewer as an object is a very great distance away.

I forgot to look at my clock to determine the exact time I saw the object. The CAA's log of radio communications shows my first contact to have been made at 12:17 hours. But a few seconds elapsed between the time I first saw the object, and the time I called the CAA's station.

I subsequently related over the radio a description of what I saw. Said communication although may be recorded by the control tower may have a recording of the conversation. I have not checked to determine that.

The purpose of my proceeding over the area which I saw was to enable rapid transmission of the report to the newspaper, for at that time I was on assignment, and my obligation was devoted to (1) investigating the communication and (2) conducting a [illegible] search, which is done often [illegible] and to make some telephone calls.

Chart to which reference is made on page 58c, statement of [redacted]



This diagram illustrates the movements of the object to which reference is made in the aforesaid statement. At all times the object appeared as black. Positions (1), (2) and (3) show the jerky irregular motion. Position (2) is where the object paused, presenting its edge to me. It then followed the dotted line, continuing across the page on the same level and disappearing at position (3).

The next search, begun within half an hour after landing from the first one, consumed another two hours, but was negative.

I explored thoroughly the region where I saw the object.

Immediately after sighting the object, I asked if there were other aircraft in the area. There was a F-5E of the 190th squadron practicing maneuvers in the vicinity of Kona, but that was behind me. An O-2 passed over Hilo, but I saw that aircraft go beneath me by some 2000 feet.

The F-5E in the vicinity of Kona proceeded to the area where I saw the object, at my request, and conducted a search. It was negative. During the afternoon, flights of F-5Es were sent out to cover the area, and some of them flew high altitude maneuvers in search. These searches were negative.

I was subsequently informed that personnel on both the United [redacted] sides of Cowen Field, and on the National Guard side, observed a black object maneuvering in front of the same cloud formation, which by now had grown so that the clouds reached a probable height of 19,000 or 20,000 feet from a mean base of 15,500 or 16,000 feet, mean sea level.

Three of these men (one Hawaii National Guard personnel and 2 United [redacted] personnel) and I walked to them, asking them to describe what they saw, before relating them my story, in order to avoid suggestion or influence of [redacted] maneuvers. They saw the object (from the ground) while I was on my second search. They believed the time to have been 14:00 hours. The object performed the same erratic maneuvers they saw, as I observed.

The above is the content of the story, [redacted] telling myself as new [redacted] orders.

I have approximately 2800 hours of flying time in [redacted] ranging from primary trainers to B-52s. Of course, I am not unfamiliar with aircraft or observation except as to those operated by the Russians, but it does not make my eyesight any sharper.

Attach

of [redacted]

except again as to the psychological demands upon the eyes of a pilot.

At the time of the experience related above, I had flown fourteen and one-half hours on an assignment to find a disc and if possible, to photograph it. At all hazzards, I was tired. I may have been suffering, although slightly, from want of oxygen.

Prior to sighting the object, I had concluded there was no point in pursuing the search, that I probably would never see the disc-like objects reported by [redacted] and by Centrafan [redacted] of United Air Lines.

On all runs during the search, both on that day and the two preceding days (particularly when I was with [redacted]) I had literally talked to myself to keep bearing into my head that I would not fail through the power of suggestion or self-hypnosis and that I would very likely deserve no credit or praise and bring success to the assignment given me.

I therefore do not believe that I was the victim of suggestion or hypnosis. I am familiar with the optical illusion of a fixed object beginning to move after it is watched a sufficient length of time. I know what tricks the eyes could play as do rotating bodies, and have learned of this particularly during night formation flying.

I saw the object appear suddenly. If it had moved in a jerky fashion (as it did at first) for the full length of time I observed it, I would not be so strong in saying that I saw something not an illusion, not a reflection, and not a momentary moving across the retina of either eye. The maneuver described by the object when its edge was presented to me convinces me that I saw an object actually performing in an erratic flight path.

The question remains, of course, whether I saw the [redacted] or something entirely unexpected and unprogrammed. [redacted] Eastman Laboratories lab 24 E Battery Street, San Francisco, showed

no trace of any object. Stolen says that if it was more than a mile distant from me at the size I described, the object would not have registered sufficiently on the film to be shown. The spot in probably was too far away to be apparent even through great enlargement of the negative, and enlargement in that case is limited because of the size of the film and the fact I did not have any telescopic equipment on the lens. The exposure was f. 16, at one-sixth of a second, at a speed of 16 frames per second.

I have worried over this matter a great deal since seeing it. I "took myself aside" and said, "Come now, [redacted] don't be stupid." But I cannot bring myself to the point of thinking I did not see anything. The impression of the moment was too vivid, too real-istic, and I knew in the air when I saw that partial glow mold of tenpeh roll, that I was doing a veritable of millionaire.

If critic runs many do vade be of help to abode investigating the flying disc phenomena which have been reported.

I claim no advanced deductions, the movements of the object as I saw it.

This statement is made voluntarily and freely, in response to the request of Mr. Brown and Lieutenant Davidson, who called on me this morning.

[redacted]

Subscribed and sworn to before me, a Notary Public, this [redacted] day of [redacted], 1947.

[redacted]

Notary Public for Ada
County, Idaho. My Com-
mission Expires [redacted]

[redacted]

UNCLASSIFIED

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

Incident # 83

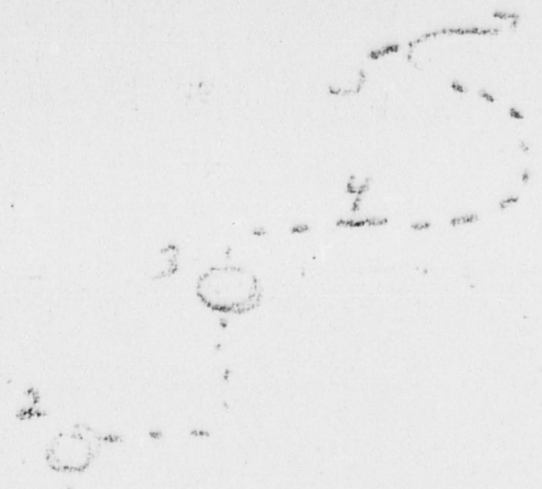
1. Date 9 July 1947
2. Time About 12:17
3. Location Between Boise & Meridian
4. Name of observer [redacted]
5. Occupation of observer N/S
6. Address of observer Boise, Idaho
7. Place of observation Air
8. Number of objects 1
9. Distance of object from observer over a mile
10. Time in sight 10-30 seconds
11. Altitude N/S
12. Speed great
13. Direction of flight
14. Tactics slow roll, climbed with jerky rising motion
15. Soumd N/S
16. Size 25 cent piece
17. Color black
18. Shape round
19. Odor detected N/S
20. Apparent construction N/S
21. Exhaust trails N/S
22. Weather conditions part cloudy
23. Effect on clouds N/S
24. Sketches or photographs sketch of movement
25. Manner of disappearance lost sight of the object
26. Remarks: (over) UNCLASSIFIED

[redacted]

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

1-b

Observer flying a National Guard AT-6 was on an easterly heading pointing toward Gowen Fld and had flown that course for a minute when there appeared in the left hand portion of his field of vision a round black object. Due to its erratic movement he first thought it a weather balloon. Calling the weather station he ascertained that no release had been made for several hours. He then exposed 10 seconds duration of 8 mm motion picture film. Centering his gaze once more on the object he observed it to roll so that its edge was presented. At this time it flashed once in the sunlight. It then appeared as a thin black line. Then it performed a maneuver which looked as if it had begun a slow roll - (barrel roll) which instead of being completed was broken off at about the 180° point. The object rolled out of the top of the maneuver at this point and observer lost sight of it. Performance viewed against background of clouds. Object appeared relatively as the size of a twenty-five cent piece. Observer could not estimate the speed. He thought tho that it was very great



The above design portrays the movements of the object. At all times the object appeared black. Positions (1) (2) and (3) show the jerky rising motion. Position (4) is where it rolled presenting its edge to the observer. It then followed the dotted line, rolling over the top of the maneuver and disappearing at position (5).

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.

UNCLASSIFIED

[redacted]

Incident #221 -- Midland, Michigan -- 9 July 1947

From the chemical analysis (as reported in this incident) of the material turned in to the laboratory, it is evident that there is no astronomical explanation for the object. Meteorites do not include in their contents silver pellets or magnesium hydroxide.

This incident was evidently a prank or a private experiment. (Observer may or may not have been the instigator.) Since the event occurred on July 9, it is possible that chemicals left over from a Fourth of July celebration were used; the magnesium content might imply this.

[redacted]

No. 221. No information.

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

UNCLASSIFIED

INCIDENT NO. 221

1. Date of Observation 9 July 1947 Date of Interview 11 July 1947
2. Exact Time (local) 1700-1715
3. Place of Observation Midland, Michigan
4. Position of observer Ground
5. What attracted attention to object Puff Noise
6. Number of objects One
7. Apparent size of Bushel Basket
8. Color of object White Sparkling Fire
9. Shape Ball
10. Altitude 1 foot off ground
11. Direction from observer
12. Distance from observer 100 feet
13. Direction of flight of object(s)
14. Time in sight 10-20 seconds
15. Speed Stationary
16. Sound and odor Puff Noise
17. Trail None
18. Luminosity Intense white sparking light, like 4th July sparklers
19. Projections None
20. Maneuvers None
21. Manner of disappearance Died out
22. Effect on Clouds No Clouds
23. Additional information concerning object
24. Weather Conditions

(over)

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

UNCLASSIFIED

Name and address of observer: [redacted]

Occupation and hobbies: Employee Dow Chemical Co.
Photography

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

[redacted]

NARRATIVE SUMMARY:

On Friday afternoon, July 11, [redacted] was contacted by the writer at the Austin Cloakroom regarding the material substance he had given Mr. R. S. Spencer, physicist at 280 Building, to be examined. A summary of the incident as related by Lane was as follows: On Wednesday evening, July 9, Lane left the Austin Construction Company at 4:30 P.M., drove to his home out West Main Street (RFD #3), and accompanied by his wife, [redacted], went looking for huckleberries in the Dow Forestry Area across the P. M. railroad tracks from their home, and in back of the Old Bromine Plant. While in this area, Lane and his wife, on hearing a 'puff' noise, turned around and saw, about a hundred feet away, a ball of white sparkling fire about the size of a bushel basket, burning about a foot or so off the ground. [redacted] described this fire as reminding him of sparklers as used in firework celebrations. The fire died out in about 15 or 20 seconds, the time being about 5:00 or 5:15 P.M. when this fire occurred. Lane went back to examine the spot where the fire was seen; his wife hesitated to do so at first, being frightened, and noticed a peculiar formation on the sand, describing it as like a drop of wet cement about two inches in diameter and having a thin crust. The [redacted] returned home where [redacted] obtained a clean tin can and returned to the site alone and gathered this formation, having to break the crust in order to place it in the can, the sand and crust being cool then and [redacted] stated that about 20 minutes had elapsed since seeing the fire. The can in which this material was gathered, [redacted] believes, had contained lacquer, having been washed out with acetone a few years ago. [redacted] then gave this material to Mr. [redacted] the following morning, telling [redacted] the incident and stating he was interested in what the material might be.

UNCLASSIFIED

August 8, 1947

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

FLYING DISCS

Information was received from the Dow Chemical Company, Midland, Michigan, that on July 10, 1947, one [redacted], an employee of Dow Chemical Company since about 1922, brought some material to their Physics Laboratory. He stated that about 5:15 p.m., July 9, he and his wife, [redacted], were walking in a field when they heard a puff noise about one hundred feet away. They turned and saw a ball of white about the size of a bushel basket burning approximately a foot off of the ground. The fire died out immediately and later [redacted] scooped up a three inch area of fused sand into a can for examination at their laboratory.

Upon interview by FBI Agents, [redacted] told substantially the same story, but Mrs. [redacted] was reluctant to talk and very indefinite about what happened. There were marked discrepancies in their stories.

Dow authorities considered the story fantastic but have examined the material and state contents are: ordinary sand, not radio active; but giving off ammonia gas; a small silver nugget almost pure except for sand mixed in it, not radio active; melted or fused sand which gives off ammonia odor and little droplets of silver melted in sand and some grayish color material which is radio active. The level of radio activity in this material is extremely low. An employee of Dow, formerly employed by the Government at Los Alamos Project, stated the fused sand has some characteristics of Los Alamos sand but he does not believe it is the same.

[redacted] is known to have in his possession a small quantity of luminous paint, radio active, to be an amateur photographer and to have a limited knowledge of chemistry and physics. He is described as [redacted], [redacted] to plant protection officers and interested in photography and electricity. [redacted] is white, was born May 7, 1902, at Freesoil, Michigan. He is 5' 9½", weighs 145 pounds, has dark brown hair, partly bald, served in the U.S. Army from 1918 to 1921. He was [redacted] in Midland County, Michigan, in 1924, for which he served a sixty day sentence.

Neither [redacted] nor his wife will admit their story is a prank. However, neither are able to point out the exact location of this incident.

The Army Airforce Intelligence at Selfridge Field, Michigan, has been advised and the material has been turned over to them.

UNCLASSIFIED

[redacted]

[redacted]

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF, CHEMICAL CORPS
WASHINGTON 25, D. C.

REPLY REFER TO: CMLWR-L

26 November 1948

UNCLASSIFIED

MEMORANDUM FOR: MAJOR AARON J. BOGGS
U.S. Air Force
Room 5E-159, Pentagon

SUBJECT: Flying Disc

Forwarded herewith is the information that you have asked for in regard to the analysis of certain materials discussed by the Dow Chemical Company at Midland, Michigan.

FOR THE CHIEF, CHEMICAL CORPS:

2 Incls
Memo dtd 11 Oct 48
fm Dr. Grebe to Col Creasy
cy of ltr fm Dow Chem.Co.
to Dr. Grebe dtd 22 Sept 48

JOHN F. GAY
Major, Cml C
Chief, Liaison Office, R & E Div

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

UNCLASSIFIED

[redacted]

WR-3695

[redacted]

CMEWR-L

UNCLASSIFIED 11 October 1948

MEMORANDUM FOR COLONEL WILLIAM M. CREASY

SUBJECT: Flying Disc

1. While at Midland last Thursday and Friday, I checked quite extensively into the report by Mr. and Mrs. [redacted] concerning the mysterious fire and the remnants of the same that they saw and collected last summer.

2. I find that there was an FBI investigation which was made by a man named [redacted], now at the Detroit office, and it would be well to get any additional information he may have dug up at the time.

3. The only technical point that would tend to discredit the story in a very slight way is that the particular spectrum analysis that was made of the sand that was supposed to have been picked up with the sample of fuzed mineral matter, which contained nuggets of silver, had a different analysis from the sand picked up subsequently in the general area. It had rained, however, in the meantime, which would remove any magnesium hydroxide that might have been around and could also have changed the analysis by washing any of the fine dusts and condensed metal oxides down into deeper layers.

4. Another item that was noticed was that there was no evidence of any scorched vegetation. This, however, was not considered conclusive by Mr. [redacted], who was one of the first visiting the site afterwards. It is also interesting to notice that Mr. [redacted] must have been sincere in thinking that it was a meteorite and that the metal was platinum.

5. I have brought along a sample of the fuzed mineral matter that was found surrounding the silver pellets, part of which has been ground into a fine dust for purposes of analysis. The silver nuggets that were recovered are still on hand and will be forwarded as will also additional reports on analyses made at the time.

6. We did not contact the [redacted] family in order not to arouse any undue interest and discussion. As a whole, it would appear to me that, every bit of the evidence found should be considered seriously as an indication that a self-consuming missile capable of producing a considerable amount of smoke and fire and leaving behind only the minimum residue required to produce a battery and radio transmitter is feasible and was procably observed.

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[redacted]

[redacted]

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COPY

THE DOW CHEMICAL COMPANY
MIDLAND - MICHIGAN

September 22, 1948

Dr. J. J. Grebe,
Civilian Technical Advisor
Research & Engineering Div., OCCmlC
Building No. 1
Army Chemical Center
Edgewood, Maryland

Dear John:

In answer to your letter of September 17, I am sending to you the report by Edward Fales, of our Dow Plant Protection Department. This summarizes the evidence, or otherwise, on Midland's claim to fame in the flying saucer business.

Best regards -

/ [redacted]

D
Encl.

P.S. Dr. Beamer found the material radio active sufficient to count. The radio activity was apparently due entirely to thorium and it was believed that this could have arisen from the use of a little luminous paint.

L-A/M.

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[redacted]

[redacted]

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UNCLASSIFIED

THE DOW CHEMICAL COMPANY
MIDLAND - MICHIGAN

July 29, 1947

RE: PRELIMINARY REPORT ON [redacted]

1. On Friday afternoon, July 11, [redacted] was contacted by the writer at the Austin Clockroom regarding the material substance he had given [redacted], physicist at 280 Building., to be examined. A summary of the incident as related by [redacted] was as follows: On Wednesday evening, July 9, [redacted] left the Austin Construction Company at 4:30 P. M., drove to his home out [redacted] and accompanied by his wife, [redacted], went looking for huckleberries in the Dow Forestry Area across the P.M. railroad tracks from their home and in back of the Old Bromine Plant. While in this area [redacted] and his wife on hearing a 'puff' noise, turned around and saw, about a hundred feet away, a ball of white sparkling fire about the size of a bushel basket burning about a foot or so off the ground. [redacted] described this fire as reminding him of sparklers as used in firework celebrations. The fire died out in about 15 or 20 seconds, the time being about 5:00 or 5:15 P.M. when this fire occurred. Lane went back to examine the spot where the fire was seen; his wife hesitated to do so at first, being frightened, and noticed a peculiar formation on the sand, describing it as like a drop of wet cement about two inches in diameter and having a thin crust. The [redacted] returned home where [redacted] obtained a clean tin can and returned to the site alone and gathered this formation, having to break the crust in order to place it in the can, the sand and crust being cool then and [redacted] stated that about 20 minutes had elapsed since seeing the fire. The can in which this material was gathered, [redacted] believes, had contained lacquer, having been washed out with acetone a few years ago. [redacted] then gave this material to Mr. Spencer the following morning, telling Spencer the incident and stating he was interested in what the material might be.

2. [redacted], accompanied Mr. R. F. Boyer, Mr. R. S. Spencer, both of the Physical Research Laboratory, and the writer to a sandy spot in back of the Old Bromine Plant, and stated that was where he and his wife had seen the ball of fire. At this location there is a sand spot about 20 feet long and 8 feet wide on the side of a little knoll beside the old road leading from the Bromine Bldg., back into the Dow Forest, the distance from the plant buildings being approximately 1/4 of a mile and about 100 feet west of the railroad tracks. The writer could notice nothing unusual about the area, there were no indidations of a fire such as scorched weeds or brush that were around the spot. Mrs. [redacted] was contacted at her home but only stated the same story her husband had given. She did emphasize, however, that

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[redacted]

[redacted]

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she had not told anyone of the strange occurrence except to their son and daughter, Allan Lee, employed at Mode Motrs, and Faye Laura, stating she didn't think anyone would believe the story.

3. After returning to the plant site and leaving Mr. [redacted] and Mr. [redacted] asked the writer if they had given any further explanation on what the material might be other than what was told him. (Mr. [redacted] told [redacted] the sand was giving off anammonia odor and that preliminary tests show that the nugget was silver.) [redacted] then asked if the writer though the findings or reports that the Physics Lab. might derive would be told to him. He further asked what the writer thought of the newspaper articles on 'flying discs', and then stated he didn't know just what to believe in the articles. [redacted] commented on how the atomic bomb secret had been kept for a long period while under development. A request was made by [redacted], that when the Physics Lab. was through with the silver nugget that it be returned to him, stating that he believed it might be platinum until told differentby Mr. [redacted]. [redacted] also stated he had told no one the story of the incident except to Mr. [redacted] and the men who were with [redacted] in the Physics Lab. on Thursday morning, saying he didn't want people to think he was crazy or making up the story. However, when [redacted] was called to the Austin Clockroom by Plant Protection Officer Morden to go out tothe site, [redacted] did start to tell Morden what it was about, stating he believed he had the remains of a flying saucer. [redacted] informed the writer that he had become acquainted with Mr. Spencer some time ago while discussing photographic materials.

4. The entire area around the sand spot where the fire was stated to have been seen has been checked by Mr. [redacted]ng, Dow Forestry Dept., and the writer, and there was no indications found there being a fire or flash. There had been several rain showers between the time the fire was seen and when this area was investigated. One peculiarity found is that this sand spot is the most prominent sand spot in size in the entire area. Also the road leading by the knoll had been covered with cinders from the Dow refuse dump a few years ago and there are a few pieces of cinders scattered in the sand bed making it possible for the silver nugget to have been carried there from the dump, if such a piece of silver had ever been thrown away from one of the labs in the Dow plant. Samples of sand taken from this spot have showed no signs of giving off the Ammonia odor like the sand gathered by [redacted].

5. [redacted] was again contacted on Wednesday, July 16, and he immediately inquired if any results had been determined. In the conversation that followed, [redacted] was informed that no results had been told at that time, but that tests were still being made at the Physics Lab. [redacted] expressed concern in causing so much trouble, claiming he didn't understand why so much time was being wasted unless something had shown up. When the writer stated there was a tendency to believe the material might be radio active, [redacted] quickly exclaimed, "so that is it, so that is it". But upon questioning him as to what he meant [redacted] was evasive in answering, stating he knew it had to be something to warrant all the

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[redacted]

[redacted]

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concern that had been shown. When asked if he was sure the sand spot was the site where he had seen the fire the answer was that he was positive. Nothing more than this was discussed during the talk, no mention was made whatsoever of flying saucers or atomic bombs.

6. Information from Mr. [redacted] questionnaire shows he was born May 7, 1902 at Freesoil Michigan. He attended school there through the 10th grade and served in the U. S. Army from 1918 to 1923. He stated he lived in Flint from 1923 to 1931, employed at Chevrolet Motors 1923-1925 (Electrician), Buick Motors 1925-1928 (Electrician), Michigan Bell Telephone 1928-1929 (Cable Splicer), and Consumers Power Company 1929-1931 (Electrician). [redacted] employment record at The Dow Chemical Company is as follows:

Hired [redacted], Sodium Sulphide
Released, [redacted]

Hired [redacted] 'Beutel'
Quit [redacted] WO/N

Hired [redacted] Electric Shop
Released [redacted]

Hired [redacted] Power Dept.
L.O. [redacted] "Good Worker"

Hired [redacted] Bromide
Released [redacted]

Hired [redacted] Ice Crew
L.O. [redacted] "Job Completed"

Hired [redacted]
Trans. [redacted] to Lime Sulphur
Trans. [redacted] to 'Johnson'
Released [redacted]

Hired [redacted] Construction
Trans. [redacted] Pipe Shop
Trans. [redacted] to 'Fullen'
Trans. [redacted] Main Lab.
Trans. [redacted] Waste Disp.
Quit [redacted] going to Austin

Hired [redacted] Railroad
Released [redacted]

[redacted] has been employed at the Southeastern Electrical Company (Austin Construction Company sub-contractor) since August 5, 1941, his classification being of an electrician. In May of 1945 [redacted] requested a five weeks leave of absence, stating he wished to attend school. When asked if he was going to an electrical school [redacted] replied he didn't know and passed it off by saying he wanted to gain more knowledge. [redacted] was on Leave of Absence from May 15, 1945 until June 25, 1945, but never mentioned anything about the school. [redacted] supervision stated [redacted]. Again on July 15 of this year Lane was asked what school he had attended, by Mr. Delaney, Supervision Office, but all [redacted] would answer was that it was a little electrical school in Wisconsin. During the past two years [redacted] has been [redacted] the [redacted] days: March 28, 1946 through April 8, 1946; May 13, 1946 through May 17, 1946; July 4, 1946 through July 7, 1946; August 10, 1946, through August 27, 1946.

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[redacted]

[redacted]

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7. [redacted] was described as follows: (a) [redacted] to Plant Protection Officers. Once when [redacted] company rule [redacted] [redacted]. Interested in articles in scientific and electrical magazines. (b) [redacted] at Austin. [redacted]. Recently, when asked by a fellow worker with whom he has worked the past five years to tell how to fix an auto generator, which had broken during the week-end, Lane replied he knew nothing about them. It is well known by the employees at Austin that Lane is well qualified as a generator repairman. (c) [redacted] [redacted]. (d) [redacted] good worker, very interested in electricity and photography. Serious over articles in Popular Mechanic magazine. Would be capable of bringing some material to the plant to be tested and faking an interesting story, just to find out the true results of some experiment of his.

8. Mr. [redacted] states the preliminary tests of the material show the contents to be as follows: Ordinary sand, not radio active, but giving off an ammonia gas. A silver nugget, almost pure except for sand mixed in it, not radio active. Melted or fused sand which gives off ammonia, has little droplets of silver melted in the sand and some other material which is not radio active. The fused sand is similar and has some characteristics of the Los Alamos sand but it is not believed to be the same.

(Sgd.) [redacted]

EBF:lms

[redacted]

[redacted]

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Physical Res. Lab.

THE DOW CHEMICAL COMPANY

Spectroscopy Laboratory

Report No. 23759

Problem No. 115

TO: Physical Res. Lab.--R.S.Spencer BY: [redacted]

SUBJECT: Analysis of White Metal Sample

CHARGE NO: 1213-02-47200 SIGNED: /s/ [redacted]

This irregular somewhat rounded pellet is principally silver. It contains 1 to 10 percent silicon probably as sand picked up before the metal solidified.

The sample includes also the following impurities,

Ca	.01-.1	Cu	.005-.05
Na	.01-.1	Mn	.001-.01
Fe	.01-.1	Zn	.001-.01
Mg	.01-.1	Pb	.005-.05
Al	.001-.01	Hg	.01-.1
Ti	<.001	Ni	<.0005

and the sand,

Ca, Mg, Al, Ti	.01-.1
Na, Fe	.1-1
Hg	<.01
Mn, Zn, Pb	.001-.01
Cu	.005-.05
Ni	.0005-.001

Plate 779

7-11-47
MAU:mbl
3

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[redacted]

[redacted]

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Physical Res. Lab

THE DOW CHEMICAL COMPANY

Spectroscopy Laboratory

Supplement to
Report No. 23759

Problem No. 115

TO: Physical Res. Lab.--R. S. Spencer BY: [redacted]

SUBJECT: Analysis of White Metal Sample

CHARGE NO: 1218-02-47200 SIGNED: /s/[redacted]

Any radioactivity possessed by this sample is too low to blacken a sensitized photographic plate during 60 hours of contact.

The most probable radioactive elements (radium, uranium, and thorium) if present, have too low a concentration to be detected by ordinary spectrographic means.

Pl. 786,787

7-31-47
MAU:mbl
3

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[redacted]

[redacted]

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cc: Physical Res. Lab.
J. J. Grebe

THE DOW CHEMICAL COMPANY

Spectroscopy Laboratory

Report No. 24282

Problem No. 115

TO: F. Fales - Plant Protection
R. S. Spencer,-Physical Res. Lab.

BY: [redacted]

SUBJECT: Analysis of Sands

CHARGE NO. 1218-02-47200-

SIGNED: /s/[redacted]

The following analysis on the unknown sand supersedes the analysis given in report 23759 since that sample was very small.

	Known Sand #1 and #2	Unknown Sand	Opaque Portion from unknown sand	Fine Powder from unknown sand
Si	chief constituent	c.c.	c.c.	1-10%
Fe	0.5-5%	.05-.5%	1-10	1-10
Al	.5-5	.01-.1	1-10	.1-1
Ca	.1-1	.05-.5	.5-5	.5-5
Na	.1-1	.01-.1	.5-5	∠.01
K	.1-1	.01-.1	.1-1	?
Ti	.01-.1	.005-.05	1-10	.1-1
Ag	.001-.005	.01-.1	.5-5	.1-1
Mg	.005-.05	.001-.01	.1-1	.01-.1
Sn			.01-.1	.1-1
Mn	.001-.01	.0005-.001	.05-.5	.001-.01
Cu	.005-.05	.001-.01	.01-.1	.001-.01
Ba	.005-.05	.005-.05	.001-.01	.001-.01
V	.001-.01	.001-.01	.01-.1	
Ni			.01-.1	.0005-.001
Cr	.001-.01	.0005	.01-.1	
Co			.001-.01	

[redacted]

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[redacted]

COPY

cc: Physical Res. Lab.
J. J. Grebe

THE DOW CHEMICAL COMPANY

Spectroscopy Laboratory

UNCLASSIFIED

Report No. 24282

Problem No. 115

TO: F. Fales - Plant Protection
R. S. Spencer, -Physical Res. Lab.

BY: [redacted]

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Al	.5-5	.01-.1	1-10	.1-1
Ca	.1-1	.05-.5	.5-5	.5-5
Na	.1-1	.01-.1	.5-5	∠.01
K	.1-1	.01-.1	.1-1	?
Ti	.01-.1	.005-.05	1-10	.1-1
Ag	.001-.005	.01-.1	.5-5	.1-1
Mg	.005-.05	.001-.01	.1-1	.01-.1
Sn			.01-.1	.1-1
Mn	.001-.01	.0005-.001	.05-.5	.001-.01
Cu	.005-.05	.001-.01	.01-.1	.001-.01
Ba	.005-.05	.005-.05	.001-.01	.001-.01
V	.001-.01	.001-.01	.01-.1	
Ni			.01-.1	.0005-.001
Cr	.001-.01	.0005	.01-.1	
Co			.001-.01	

[redacted] COPY

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[redacted]
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	Known Sand #1 and #2	Unknown Sand	Opaque Portion from Unknown sand	Fine Powder from Unknown sand
Th	< .01	5-10	< .01	c.c.
Sr	.001-.01	.001-.01		?
Pb	.0005		.001-.01	
Bi				.01-.1

Differences other than those indicated in the above analyses include the much darker color of the known sand which is not affected by heating above 250 degrees. The unknown sand is a much lighter color, expecially after the fine powder is sifted out of it. This fine powder is chiefly thorite (ThO_2) and constitutes 5 to 10 percent of the sample and also gives to its low radioactivity.

After removing the powder the remainder of the unknown sample was hand picked to give an opaque portion constituting less than a tenth of the total leaving almost pure silica (SiO_2). The above analysis indicates that this opaque portion does not contain any thorium. The x-ray shows it to be silica, SiO_2; hematite, Fe_2O_3; and a feldspar group, anorthoclase, (Na K) $ALSi_3O_8$ probably with anorthite, $CaAl_2Si_2O_8$.

9-30-47
MAU:mbl

4

Copied 10-11-48
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[redacted] Cont'g 164 Norm. Telecon 2 Dec 48

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CSAF ITEM 4/ [redacted]

DOES PROJECT QUOTE SIGN UNQUOTE HAVE DETAILS OF UNIDENTIFIED FLYING OBJECT INCIDENT WHICH OCCURRED ON 9 JULY 1947, NEAR MIDLAND, MICHIGAN. THIS INCIDENT INVOLVED OBSERVATION OF A BALL OF WHITE FIRE WHICH WAS FIRST OBSERVED A FOOT OR SO OFF THE GROUND BY A MR [redacted] AND HIS WIFE. A CHEMICAL ANALYSIS WAS SUBSEQUENTLY MADE ON THE GROUND AREA AFFECTED AND REVEALED SILVER PELLETS AND ABNORMAL AMOUNT OF MAGNESIUM HYDROXIDE. DETAILED REPORT OF INCIDENT, THE CHEMICAL ANALYSIS AND OPINIONS OF DR GREBE, OFFICE, CHIEF OF CHEMICAL CORPS, HAVE BEEN MADE AVAILABLE TO DAB AND CAN BE FORWARDED UPON INDICATION OF DESIRE FOR THIS MATERIAL FROM HEADQUARTERS AMC.

T-80239-6

Answer sent on 21 Dec Telecon
Reporting info outlined above

[redacted]

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

[redacted]

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TT [redacted] 93
23 Dec 48

Incident 221

CSAF ITEM 5 / [redacted] /

REFERENCE AMC ITEM 4 PM TT 21 DECEMBER, FULL INFORMATION
RELATIVE MIDLAND, MICHIGAN, INCIDENT WILL BE FORWARDED
HQS AMC ATTENTION: PROJECT "SIGN"

END CSAF ITEM 5 / [redacted]

[redacted]

ITEM -4 /
OFNER FROM NCIAXC-5
REF CSAF 4 OF A.M. TELECON 2 DEC 1948.
PROJECT SIGN DOES NOT HAVE DETAILS OF
MIDLAND, MICHIGAN INCIDENT OF 9 JULY 1947.
REQUEST FOR DETAILED REPORT, THE CHEMICAL
ANALYSIS AND OPINIONS OF DR. GREBE OFFICE OF
CHIEF OF CHEMICAL CORPS IS HEREBY MADE.
WILL REQUEST IN THIS FORM SUFFICE?

END ITEM 4

[redacted]

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

UNCLASSIFIED

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.

[redacted]

UNCLASSIFIED

Incident #39 -- Grand Falls, Newfoundland -- 9 July 1947

It is extremely unlikely that these objects were meteors, although their speed would argue for such interpretation. Had they been, however, one would expect much more brilliant light, a trail, and perhaps even detonation. Furthermore, their flight in formation argues against their being meteoric.

The meager description suggests a light phenomenon rather than material objects. Was any auroral activity reported in the region at the time? The description answers more closely to a detached auroral streamer than to anything else, but this explanation is perhaps also far fetched.

UNCLASSIFIED

[redacted]

[redacted]

Dr HYNEK'S EVALUATIONS EXTRACTED FROM PROJECT GRUDGE REPORT.

INCIDENT INDEX

1. Astronomical

a. High probability:
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b. Rockets, flares or falling bodies:
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[redacted]

CHECK-LIST - UNIDENTIFIED FLYING OBJECTS

1. Date 9 July 47 Incident # 39
2. Time Between 11:15 and 11:40
3. Location Grand Falls, Newfoundland
4. Name of observer [redacted]
5. Occupation of observer Constable
6. Address of observer Newfoundland Constabulary, Grand Falls
7. Place of observation Grand Falls,
8. Number of objects 5. 4 seen at first 1, later
9. Distance of object from observer N/S
10. Time in sight brief period
11. Altitude N/S
12. Speed terrific
13. Direction of flight First four - flying in easterly direction
Last object: N/S
14. Tactics Maintained formation - flew side by side, last one: ~~N/S~~
Flew in a rocking motion
15. Sound N/S
16. Size ~~N/S~~ about size of barrel head
17. Color N/S - seemed phosphorescent
18. Shape round - about size
19. Odor detected N/S
20. Apparent construction N/S
21. Exhaust trails N/S However, there appeared to be a phosphorescent glow about it
22. Weather conditions N/S
23. Effect on clouds N/S
24. Sketches or photographs None
25. Manner of disappearance N/S
26. Remarks: (over)

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[redacted]

[redacted]

Four "flying saucers" were seen by Constable [redacted] wife just before his arrival home at approx 11:30, on 9th of July. A Mr. [redacted] a resident of St. John's and a friend of the family also witnessed them. They were flying in an easterly direction, and appeared to be four round figures that had passed overhead at terrific speed, flying side by side.

On looking skyward, Constable [redacted] himself, perceived a huge jelly-fish flash across the sky. Could not determine the height and speed owing to the brief period it was visible. Could not determine color but there seemed to be a phosphorescent glow about it. It was found in shape and about the size of a barrel head, and appeared to be flying in a rocking motion.

Note: The last object was seen by Constable [redacted] his wife and Mr. [redacted]

[redacted]

[redacted] UNCLASSIFIED

Extract from Weekly Intelligence Summary, ATC, 16 Jul 47

"FLYING OBJECTS REPORTS SUMMARY": The following is a digest of the only current reports that have been received through the Intelligence system of this Command concerning unidentified flying objects. On 10 June 1947, rumors were drifting into Budapest from rural areas in Hungary to the effect that "silver balls were flashing across the sky in daytime." No accurate description or confirmation of this report was obtained. A Newfoundland constable named Iric [redacted] has reported to personnel of the 1380th AAF Base Unit, ATC, Newfoundland Base Command, Fort Pepperell that on 9 July at 2330 hours local time (0200Z), he observed for a few seconds four "egg-shaped phosphorus colored discs" followed ten minutes later by a fifth similar object moving through the air in the vicinity of Grand Falls, Newfoundland. According to the constable, all objects were flying east, moving very fast, and parallel to the ground, at an altitude of "30,000 feet". The first four were in trail formation. The constable described the shape of these objects as being like a "barrel head or egg" with "black spots on the tail end" but "leaving no smoke trail". The Newfoundland Base Command reports also mention a second unidentified observer of these objects, who described them as being "three-leafed" in shape. A check of weather records reveals that CAVU weather prevailed in the Grand Falls region at the time these objects were reported as being seen. Mr. [redacted] for Trans World Airlines and Mr. [redacted] for Pan American Airways, both stationed at Harmon Field, Newfoundland, report that on 10 July at 1730 hours local time (2000Z), they observed over that installation a circular wagon wheel-shaped disc of silver color which, at its estimated altitude of "10,000 feet", appeared to be of equal size to the wing span of a C-54. Weather records indicate that the weather at Harmon during the time this incident occurred was clear with scattered cumulus clouds at an altitude of from eight to ten thousand feet. These two men report that the disc was first sighted when it appeared about six miles SSW of Harmon; the two observers report that the disc seemed to "cut the clouds as it passed" over on a WNW course leaving a "bluish black trail approximately fifteen miles long" which is described as similar in appearance to the beam seen for an instant after a high powered landing light or search light was been switched off. Personnel of the 1388th AAF Base Unit, ATC, Harmon Field, Stephenville, who relayed [redacted] and [redacted] report to this office state that kodachrome pictures were taken of the disc which are now being developed, probably by Eastman at Rochester, New York, and that [redacted] will forward the prints "as soon as received". On 11 July 1947, Col [redacted] and Major [redacted] of the 59th Airways and Air Communications Service Group, Elmendorf Field, Anchorage, observed an object resembling an aluminum colored balloon "about 3 feet in diameter" travelling at an unidentified altitude "at a great speed" in a N/S direction in the vicinity of the field. On 12 July at 0830 hours local time (0430Z), Major [redacted] of this same unit and some unidentified officers of the Alaskan Department observed a grayish balloon "approximately 10 feet in diameter" in the vicinity of Elmendorf Field flying in a NW direction following the contour of the mountains five miles away. The object was reported as flying at an altitude of "1500 feet" at an estimated rate of "100 miles per hour", paralleling the course of a C-47 landing into a 20 mile per hour wind. This office can draw no conclusions on the part of the above summary item based on reports emanating from rural areas in Hungary other

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than to point out that these Hungarian rumors were recorded fifteen days prior to the first time flying objects, commonly called "saucers", were reported over various areas of the Zone of Interior. Nor is anything known at this office that would add to or detract from the until recently, unfamiliar descriptions briefly presented in the Newfoundland reports. The brief text gives rise to obvious doubts and questions that can be clarified only by an evaluation and further interrogation of the sources from whence these reports were derived. However, an analysis of the two radios that reported the Elmendorf sightings have led the Intelligence Officers of this Headquarters to point out the following considerations. It is very difficult to judge the size, speed and altitude of an unknown object at the reported distance of five miles. The account of the object sighted would tend to describe a weather pibal. In this regard it is noted that it is standard operating procedure for weather stations to release pibals every six hours daily - at 0400Z, 1000Z, 1600Z and 2200Z. It is pointed out that the 12 July sighting approximates the time at which one of these daily pibals is released. It is also pointed out that in the Anchorage area, it is believed to be not uncommon for surface winds and winds at an altitude of 1000 feet or more to move in opposite directions.

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FROM: CG ATLD ATC FORT TOTTEN, N.Y.

TIME AND DATE FILED: 1423232 JULY 1947

TO: CG ATC ATTN CHIEF OF STAFF

MESSAGE FROM NEWFOUNDLAND BASE COMMAND SUBJECT QUOTE FLYING DISCS UNQUOTE GIVES FOLLOWING SUMMARY OF INTERVIEW WITH [redacted] CMA NEWFOUNDLAND CONSTABULARY CLN CONSTABLE REPORTED SEEING FOUR EGG SHAPE PHOSPHORUS COLOR DISCS ABOVE GRAND FALLS NEWFOUNDLAND AT TWO THREE THREE ZERO HOURS LOCAL TIME NINE JULY AND A SINGLE DISC ONE ZERO MINUTES LATER PD AT FIRST APPEARANCE ACCORDING TO [redacted] FOUR DISCS WERE CLOSE TOGETHER IN ABLE LINE A TRAIL FORMATION MOVING EAST PARALLEL TO GROUND PD SINGLE DISC LESS CLEAR BUT TRAVELING SAME DIRECTION PD [redacted] WOULD ROUGHLY ESTIMATE ALTITUDE OF DISCS AT THREE ZERO THOUSAND FEET SEMICLN APPARENTLY MOVING VERY FAST AS THEY DISAPPEARED IN ABLE FEW SECONDS PD [redacted] SAID SHAPE OF DISC WAS LIKE BARREL HEAD OR EGG SEMICLN BLACK SPOTS ON TAILEND SEMICLN NO SMOKE TRAIL SEMICLN AND HERE REPORTED THAT ANOTHER OBSERVER COMPARED SHAPE OF DISCS TO THREE LEAF PD END OF COMMUNICATION FROM NEWFOUNDLAND BASE COMMAND PD ESTABLISHED BY INTERVIEWER CMA NONCOM IN CHARGE REPEATER STATION GRAND FALLS CMA THAT CAVU WAS WEATHER AT TIMES INDICATED

ATC CM-IN XX044

DOWNGRADED AT 12 YEAR
INTERVALS; NOT AUTOMATICALLY
DECLASSIFIED. DOD DIR 5200.10

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Form J19—50M-11-45 D

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NEWFOUNDLAND CONSTABULARY

STATION Grand Falls,

DATE July 13th. 1947.

SUBJECT Re:- Strange objects seen flying over Grand Falls on night of July 9th. at approx. 11.15 and 11.40.

Sir:

I respectfully report for your information that on Wednesday night, the 9th. inst. I arrived home from duty at approx. 11.30.

Upon arrival at home I joined my wife, my mother-in-law, and Mr. [redacted] a resident of St. John's and friend of the family, who were sitting on the front steps of the house. I was asked by my wife if I had seen the "flying saucers" I thought she was joking and replied that I had seen nothing flying. [redacted] and my mother-in-law then told me that they had really seen four objects flying in an easterly direction just before I arrived. I asked them to describe what they had seen. [redacted] said that four round shaped figures had passed overhead at a terrific speed and were flying side by side.
On looking skywards again my wife, [redacted] and myself, saw a object which I would describe as being a huge jelly-fish flash across the the sky. It would be difficult to determine its height and speed owing to the brief period it was visible. It's colour also would be hard to say, but there seemed to be a phosphorus glow about it, it was round in shape and about the size of a barrel head, it appeared to be flying in a rocking motion.

This sir, is about all I can say about the matter, we continued to scan the sky for about a half hour but no sign of them were seen again.

[redacted]
Constable.

[redacted]

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[redacted]
Constable.

[redacted]

UPGRADED AT 12 YEAR
DECLASSIFIED. DOD DIR 5200.10
AUTOMATICALLY
NOT

UNCLASSIFIED

UNCLASSIFIED

Extract from Weekly Intelligence Summary, AMC, 18 Jul 47

[illegible] OBJECTS [illegible]: The following is a [illegible] that have been received through the [illegible] concerning unidentified flying objects. On [illegible] 7, [illegible] reported from [illegible] area in Bulgaria by the officer in charge [illegible] saw nine [illegible] flying across the sky in [illegible] formation. He noted [illegible] description of [illegible] were [illegible] to personnel of the [illegible]th AAF Base Unit, AAF, Newfoundland [illegible] roll call on 9 July at 2330 hours [illegible] time (0130Z), he observed [illegible] saucer-shaped phosphorus colored discs" followed [illegible] a [illegible] cliff [illegible] at about roving through the air in the [illegible] Newfoundland. According to the [illegible] parallel to the ground, [illegible] very fast, [illegible] in parallel to the ground [illegible] at four [illegible] in [illegible] formation. The [illegible] as being like a 'bobbed head or egg [illegible] small'. The Newfoundland [illegible] color of these objects [illegible] shape. A check at weather [illegible] and Saint Pierre region at the [illegible] in Mr. [illegible] and Saint Pierre [illegible] John M. Eshman, Supervisor of Operations for Trans World [illegible] Mr. W. F. Koofuss, Senior Maintenance [illegible], both stationed at Harmon Field, Newfoundland [illegible] hours local time (2030Z), they observed [illegible] object also of silver color [illegible] appeared to be of equal size [illegible] records indicate that the weather [illegible] occurred was clear with scattered [illegible] ten thousand feet. These two men [illegible] appeared about six miles SW of Harmon [illegible] appeared to be out the clouds at [illegible] black trail approximately fifteen miles [illegible] in appearance to the beam seen for [illegible] light was seen switched off. Personnel of the 1360th AAF Base Unit, AAF, Harmon Field, Stephenville, who relayed Lehmann's and [illegible] report to this office state that kodachrome pictures were taken of the objects [illegible] are now being developed, probably by Eastman at Rochester, New York, and the [illegible] will forward the prints "as soon as received". On 11 July 1947, [illegible] F. Perry and Major William E. Geyser of the 58th Airways and Air Communications Service Group, Thunderbird Field, Anchorage, observed an object [illegible] color "bluish white" about 5 feet in diameter" travelling [illegible] altitude [illegible] speed" in a NE direction in the vicinity [illegible] July at [illegible] hours local time (0400Z), Major Richard Graham of the [illegible] qualified officers of the Alaskan Department observed [illegible] and some [illegible] approximately 10 feet in diameter" in the vicinity of Thunderbird [illegible] in a NE direction following the contour of the mountains directly [illegible] object was reported as flying at an altitude of 2000 feet at an [illegible] 200 miles per hour", paralleling the course of a [illegible] Lake [illegible]

[illegible]

[illegible]

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