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333.5 - INVESTIGATIONS

1949

*Classification marking removed IAC GSA ltr 16 Nov 65.*

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HEADQUARTERS  
AIR MATERIEL COMMAND  
WRIGHT-PATTERSON AIR FORCE BASE  
DAYTON, OHIO

~~SECRET~~  
AUTH: CG, AMC  
INITIALS: CG  
DATE: 12/9/49

9 71

MCGO

SUBJECT: Light Phenomena

TO: Director of Research and Development  
Headquarters, USAF  
Washington, 25, D. C.

1. Reference is made to:

a. Headquarters USAF (AFMRS-4) letter, dated 14 September 1949, subject: "Light Phenomena." (See Inclosure No. 1).

b. Cambridge Research Laboratories letter, dated 7 November 1949, subject: "Report of Conference on "Green Fireballs" (Project Grudge)." (See Inclosure No. 2).

2. A report of the conference held at Los Alamos on the subject of phenomena observed in the New Mexico area is forwarded as inclosure No. 2. Inasmuch as the phenomena appears to be atmospheric in nature, it is recommended that the investigation continue under the Air Force Geophysical Research program. In order to establish such a project it is requested that Research and Development Board approval be accomplished and that necessary funds be provided.

FOR THE COMMANDING GENERAL:

Incl:

- 1. See par la abv
- 2. See par lb abv

/s/ M. B. Lammers  
M. B. LAMMERS  
Technical Assistant  
Deputy to the Commanding General  
For Operations

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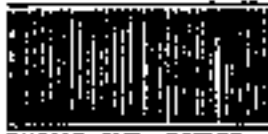
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NOTE: CG, AIR INITIALS *AMR* *(5/7/43)*

INSPECTOR GENERAL'S OFFICE **MEM Ltr fr Hqs, AMC, Wright-Patterson Air Force Base, Dayton, Ohio** dtd 9 December 1949, Sub: Light Phenomena

2nd Ind.



Wright-Patterson Air Force Base, Dayton, Ohio 9 Dec 1950

PUBLIC IMP. OFFICE

Director of Research and Development, Hq, USAF, Washington 25, D. C. ATTY: AFMRS-4

COMPTROLLER

1. Since the date of basic correspondence this Command has been able to initiate subject project on a limited basis utilizing personnel and equipment which have become available at Holloman Air Force Base. For your information the investigation involves the following observational techniques:

PERSONNEL & ADM.

- a. Optical tracking with Askania photo theodolites in order to provide trajectory data and photo records.
- b. Optical spectro-photography using standard cameras with suitable diffraction gratings.

RESEARCH & DEV.

- c. Radio spectrum analysis through the range from 500 kc to 4000 mc. This portion of the program will be shortly started with the Signal Corps providing equipment and personnel.

*95/10/10*  
*MCR*

INTELLIGENCE

2. The request of this Command as contained in Paragraph 2 of basic correspondence is withdrawn. In view of this, prior RDB approval for the project is not believed necessary. This Command will take action to coordinate the project through normal channels.

SUPPLY AND MAINT.

3. In order to better evaluate the results of the investigation outlined in Paragraph 1 above, it would be very desirable to have the activities of the 17th District OSI at Kirtland Air Force Base re-initiated in making field investigations of light phenomena reports. Such reports would be important in the verification of any results of the project work at Holloman. It is therefore requested that action be taken for re-initiation of the 17th District OSI investigations for the period of this project.

FOR THE COMMANDING GENERAL:

*(Signature)*  
W. H. BRENTNALL  
Major General, USAF  
Research and Development

PROC. & IND. MOB. PLNG.

OTHER

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AUTH: CS, USAF  
EGH, 21 Dec 49

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Bas Ltr fr Hqs, AMC, Wright-Patterson Air Force Base, Dayton, Ohio,  
dtd 9 December 1949, Subj: Light Phenomena

AFMRS-4 1st Ind.  
Department of the Air Force, Hq., USAF, Wash. 25, D.C. 20 December 1949

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

1. This headquarters concurs in the establishment of a project within the Air Force Geophysical Research Program in order to further investigate and secure quantitative data on the "Light Phenomena" observed in the Southwestern United States.

2. Prior to securing the approval of the Research and Development Board and accomplishing the necessary reprogramming within the Geophysical Sciences Budget, it will be necessary for you to prepare a project plan. This plan should include a statement of the problem, method of accomplishment, money, facilities and personnel required to make the necessary measurements. The funds requirement should be stated by object classification.

3. When this necessary information has been received from your command, this headquarters will take appropriate action to secure Research and Development Board approval. As soon as an approval is forthcoming, your command will be requested to initiate the project.

BY COMMAND OF THE CHIEF OF STAFF:

Incls.  
w/d

/s/ B. G. Holzman  
B. G. HOLZMAN  
Colonel, U.S.A.F.  
Chief, Geophysical Sciences Branch  
Directorate of Research & Development  
Office, Deputy Chief of Staff, Materiel

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*G. Gould*

*CJE*

INSPECTOR GENERAL'S  
OFFICE

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*C. J. ...*  
*12-9*



SEC

COMPTROLLER

SUBJECT: Light Phenomena

TO: Director of Research and Development  
Headquarters USAF  
Washington 25, D. C.

PERSONNEL & ADM.

1. Reference is made to:

a. Headquarters USAF (ADMIS-4) letter, dated 14 September  
1949, subject: "Light Phenomena." (See Inclosure No. 1).

b. Cambridge Research Laboratories letter, dated 7 November  
1949, subject: "Report of Conference on 'Green Fireballs' (Project  
Grudge)." (See Inclosure No. 2).

2. A report of the conference held at Los Alamos on the subject  
of phenomena observed in the New Mexico area is forwarded as inclosure  
No. 2. Inasmuch as the phenomena appears to be atmospheric in nature  
it is recommended that the investigation continue under the Air Force  
Geophysical Research Program. In order to establish such a project it  
is requested that Research and Development Board approval be accomplish-  
ed and that necessary funds be provided.

FOR THE COMMANDING GENERAL

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & INV. MOB.  
PLNO.

OTHER

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AMC Form No. 8  
(Rev 1 Apr 48)  
(Formerly AMC 10-7)

WF-1-13 APR 49 2 MI

# UNCLASSIFIED

AFARS-4

11 September 1949

SUBJECT: Light Phenomena

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

1. Since the establishment of the special project at Hq. AIC, (Project GRUDGE), to investigate and analyze reports on so-called "Flying saucers" and unidentified aerial phenomena, many reports have been received through intelligence channels from persons who have observed what they considered to be unusual light phenomena. Foremost in this category have been those which are described as "green fireballs".

2. Analysis by various specialists has indicated that many of the incidents involving light phenomena were undoubtedly observations of natural phenomena. Particular attention was given to the "green fireball" variety by Dr. Joseph Kaplan, member of the USAF Scientific Advisory Board. Dr. Kaplan has concluded that the "green fireballs" are natural phenomena.

3. Correspondence relative to Dr. Kaplan's conclusions on the phenomena and correspondence relative to a request from the Second Armored Division, Camp Hood, Texas, for scientific investigation of similar phenomena, are forwarded for your information.

4. The Air Materiel Command has under contract several organizations in the Boston area that are specialists in observing techniques and the interpretation of celestial phenomena. It is desired that these organizations be consulted regarding the "green fireball" phenomena. If necessary, consideration should be given to the establishment of an observational program designed to obtain additional information necessary to an explanation of the phenomena.

5. A meeting at Sandia in the New Mexico area is scheduled for the middle of October to continue discussions of the light phenomena. It is requested that representatives from Air Force Research Laboratories, Base Directorate for Geophysical Research attend.

6. This Headquarters should be apprised of the progress of the evaluation and the results of the Sandia meeting as soon as possible.

BY COMMAND OF THE CHIEF OF STAFF:

3 Incls:  
1-Ltr Ind to GSUSA w/bltr  
& Incls (cy) dtd 9/1/49  
2-Cy ltr to Dr Kaplan  
dtd 5/9/49  
3-Cy ltr in Dr Kaplan  
dtd 7/31/49 w/incls

/s/ JOHN McK. TUCKER  
Lt. Col., USAF  
Actg Chief, Geophysical Sciences Br.  
Directorate of R&D  
Office, DAB/E

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1949/epa

001.92  
In reply, address  
Commanding Officer.  
Attn: ENI

230 Albany Street  
Cambridge 39, Mass  
7 November 1949

SUBJECT: Report of Conference on "Green Fireballs"  
(Project Judge)

TO: Commanding General  
Air Materiel Command  
Wright-Patterson AFB  
Dayton, Ohio  
ATTN: INREBO, Major G.H. Duncan

1. In accordance with instructions contained in classified letter from Chief of Staff, USAF to CG, AEC, subject "Light Phenomena," 11 September 1949, the undersigned attended a conference at Los Alamos on the subject of a phenomena observed in the northern New Mexico area. The phenomena has the appearance of a green fireball and because of the fact that it has been observed only (as far as can be determined) in the northern New Mexico area and only since the year 1947, has caused a high degree of apprehension among security agencies in the area. Two reports from the 17th District Office of Special Investigations (inclosures 1 and 2) summarize present information on the phenomena. In view of the fact that the phenomena has been observed by independent and trained observers there is little doubt that something was actually observed.

2. Inclosure 3 lists those personnel attending the conference.

3. The first part of the conference was devoted to a summary presentation of all collected and organized observational information regarding green fireballs. The presentation was made by Dr. Lincoln LaPaz (Professor and Head of Department of Meteoritics and Mathematics, University of New Mexico) and Capt. Melvin E. Neef (17th District O I, USAF). Dr. LaPaz has been cooperating with the OSI investigators in the matter at their request and on an unpaid basis. Capt. Neef is the principal OSI agent on the case. Both Dr. LaPaz and Capt. Neef have personally and independently observed the phenomena.

4. The second part of the conference was a discussion by the scientists present of various possible explanations and hypotheses concerning the phenomena. Little success was had.

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Mr WBI to O, AOC, Subj: Report of Conference on "Green Fireballs"  
(Project Grudge)

5. It was the conclusion of the group present at the meeting that the present information on the phenomena was not sufficiently quantitative and objective to allow any profitable scientific consideration. Instrumental observations (especially photographs, triangulation, and spectroscopic) were considered as essential.

6. Dr. Joseph Kaplan, who was officially representing the Scientific Advisory Board, USAF at the meeting, plans to report the problem to the next meeting of the Board (2 and 3 November 1949) with the recommendation that the USAF provide a suitable investigation of the phenomena using the Geophysical Research Directorate, Air Force Cambridge Research Laboratories, AEC as the agency for the project.

7. It is the opinion of this office that the Geophysical Research Directorate, AFRL, is capable of performing the required investigation (by photographic and spectroscopic means) provided that necessary funds, personnel authorizations and equipment are provided. Inasmuch as the phenomena appears to be atmospheric in nature, such an assignment is considered appropriate.

FOR THE COMMANDING OFFICER:

3 Incls:

1. Summary #1
2. Summary #2 (in dup)
3. Personnel at mtg

/s/ HERBERT L. OBER  
Major USAF  
Acting Director  
Base Directorate for  
Geophysical Research

cc: Major G. Rowson, HQ USAF

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CROSS REFERENCE SHEET

~~Confidential~~

FILE UNDER NO.: 333.5 Investigations

DATE: 25 October 1949

FROM: MCAJXL/RHC/hb

TO: Air Adjutant General, Hqs. USAF, Attn: Personnel  
Records Service Division, Washington 25, D.C.

DOCUMENT FILED UNDER: 201 - Jones Joe F. (enl)

SUBJECT: Line of Duty Investigation

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~~Confidential~~



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CROSS REFERENCE SHEET

~~Secret~~

FILE UNDER NO.

533.5 - Investigations

DATE: 8 August 1949

181.2 - Funds

472 - Ordnance - Supplies & Equipment

400.512 - Special Projects

FROM: MGR(MORR)/TKO/Ejn

TO: Director of Research & Development, Hqs. USAF, Wash.  
25, D.C.

DOCUMENT FILED UNDER: ARRA B.

SUBJECT: Administration of and Program for Project "Chore"

~~Secret~~

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~~CONFIDENTIAL~~

Subj: Rpt of Inves Regarding Unauthorized Handling of Confidential Material.

the Supply Inspector who first inspected the item, were not cleared for handling Confidential material; neither were the Corrosion Control employees. Foreman Robert Neelitt and Inspector Ivan G. Gerardy of Building T-450B and Mr. B. C. Hale, Storekeeper of the Bondright Building, were cleared for handling such material.

### 3. Conclusions:

a. The findings of this investigation did not indicate negligence on the part of any SMAAA employee.

b. It is felt that the Classified item involved has been subjected to compromise within the meaning of Par 1b, AF Reg 208-1. It should be noted, however, that the circumstances surrounding this receiving transaction were such that it is probable no loss of information to unauthorized personnel actually occurred. The area through which this Classified item passed is known to be used for the inspection, receiving, and storage of non-classified items only; the Amplifier in appearance does not suggest that it contains or incorporates a Classified component; and the area is staffed by personnel the most of whom are long-time employees and all of whom are working under a backlog pressure which precludes time for satisfying idle curiosity, if any existed.

(1) A letter of notification of subjection to compromise of this item will be prepared for transmission to Hq, USAF, in compliance with the provisions of AF Reg 208-1, if approved by the Commanding General.

c. The established procedure at this Headquarters for receiving, recording, and storing Classified property when shipped by guarded Express, was found to be definite and adequate. This procedure consists of making an "under-guard" pick-up at the Express Company in Sacramento when notified by the Express Company that an "under-guard" shipment has been received. The shipment is then brought to the Transportation Receiving Office where the necessary receiving procedure is accomplished and then immediately delivered to the appropriate repository, the guard being maintained from the moment of receipt from the Express Company until its final delivery for storage has been accomplished.

d. The fact that the Express Company did not so advise Transportation, SMAAA, of a guarded shipment having been received but permitted its pick-up by an unguarded McClellan AFB truck would indicate either:

(1) That the shipper, 962d AF Specialized Depot, failed to comply with the provisions of par 3c, AF Reg 208-1, wherein it is required either that advance arrangements be made with the Railway Express Agency, Inc. to guard the material from the time it leaves the hands of the shipper until delivered to consignee, or for the shipper to furnish the necessary military guards, using ordinary Railway Express Service; or

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~~CONFIDENTIAL~~

Subj: Rpt of Inves Regarding Unauthorized Handling of Confidential Material.

(2) That the Express Company, although having received the shipment under guard, failed to attach proper significance to the fact and permitted the shipment to be picked up as ordinary unclassified material.

e. If shipping documents were also classified (carrying the same classification as the item or items listed therein) they would act as an alerting agent and thereby greatly enhance security. No such provision is contained in security regulations.

f. It is felt that AF Reg 205-1 leaves much to be desired in delineating steps of procedure in shipping and receiving. For example: par 36a, b, c, and d provide adequate protection during the shipment of Top Secret, Secret, and Confidential material, but in par 36k(4) Confidential material is grouped with restricted material and may, at the discretion of the shipper, be shipped on a flat car without guard. This can hardly be considered security protection consonant with the classification of Confidential. Also, this directive fails to state whether or not shipping tickets, shipping orders, and teletypes pertaining to Classified material should be likewise classified.

4. It is recommended that:

a. The Director of Supply verify that there is no misunderstanding on the part of the Express Company about notifying the SNAAM Transportation Office when guarded shipments have been received by them in Sacramento.

b. The Director of Supply request a detailed methods description of this particular shipment from the Commanding Officer, 662d AF Specialized Depot, to ascertain if the security failure as herein before described was due to non-compliance with the provisions of AF Reg 205-1 on the part of the shipper.

c. The Director of Supply re-evaluate the provisions of AF Reg 205-1, and initiate necessary actions to effect changes where and if deemed beneficial to security.

FRANK M. PAUL  
Colonel, USAF  
Inspector General, SNAAM

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W-2865

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## Report of Investigation Regarding Unauthorized Handling of Confidential Material

HEADQUARTERS  
SACW. JOHN AIR MATERIEL AREA  
OFFICE OF THE COMMANDING GENERALMcClellan Air Force Base  
McClellan, California  
14 July 1949

1. The conclusions and recommendations contained in paragraphs 3 and 4 of the foregoing report of investigation are approved except as follows:

a. The Inspector General will acquaint the Director of Supply with the recommendation contained in paragraph 4a and will follow up this recommendation as he may deem necessary to insure its adequate implementation.

b. With reference to paragraph 4b, the Inspector General will communicate with the Commanding Officer, 862d AF Specialized Depot to ascertain if the security failure as evidenced by the report of investigation was due to noncompliance with the provisions of governing regulations on the part of that installation.

c. The Inspector General will, in coordination with the Director of Supply and the Comptroller, make a thorough study of the provisions of AF Regulation 205-1 and allied publications from both HQ USAF and HQ AUC, and submit to the Commanding General, AUC, recommendations for such changes as may be indicated necessary to improve security.

d. The Inspector General will insure the prompt preparation and transmittal of report of compromise mentioned in paragraph 3b(1) of the report of investigation.

2. When the actions directed in paragraphs a, b, c and d, above, have been completed, a full report together with a copy of this report of investigation will be transmitted through HQ AUC to the Commanding Officer, 862d AF Specialized Depot, for his information. This action will be taken by the Inspector General.

JAMES V. JONES  
Major General, USAF  
Commanding

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INSERT  
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Basic ltr fr SAMA, dtd 20 July 49, "Subjection to Compromise of Property  
Classified Confidential"

INSPECTOR GEN'L'S  
OFFICE

1st Ind

MCEPIS/CAM/gam



Re AMC, Wright-Patterson Air Force Base, Dayton, Ohio, 1 August 1949

TO: Inspector General USAF, Headquarters, USAF, Attention: AFCPM,  
Washington 25, D.C.

COMPTROLLER

5 Incls  
n/c

J.H.K.

*[Handwritten signature]*

PERSONNEL & ADM.

RESEARCH & DEV.\*

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOB.  
PLNG.\*

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AMC Form No. 8  
(Rev 1 Apr 48)  
(Formerly AMC 18-7)

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McClellan Air Force Base, Calif.  
19 July 1949

S T A T E M E N T

I, IVAN G. GERARDY, Badge No. G-2445, employed as Inspector in Bldg T-650, Directorate Supply, make the following statement, to the truth of which I solemnly swear of my own free will and volition to Sgt DAVID C. FREDDY, Investigator of the Provost Marshal's Office, SWAMA, McClellan AFB, California.

On 6 June 1949, I, Ivan G. Gerardy, G-2445, placed a "CLASSIFIED" stamp on Receiving Officer's Voucher No. 49-735562, which lists the following item:

1 ea RADAR SET AN/AP2-24  
1600-211 305 795 2049-116  
AMPLIFIER AN-116/APA-44

Prior to 6 June 1949, this Receiving Voucher had been marked "REGULATED CONFIDENTIAL ITEMS" which had been scratched out with pencil and pen. The voucher was in the above-described condition when received by this section.

I have read the foregoing statement and the facts stated therein are true and correct to the best of my knowledge and belief.

SIGNED: Ivan G. Gerardy  
IVAN G. GERARDY  
G-2445

WITNESS:

Louis V. Johnston

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/HML/URT

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

IN REPLY REFER TO: 5D-24-21U

27 June 1949

SUBJECT: PROJECT GRUDGE, Incident, Rogue River, Oregon  
SPECIAL INQUIRY

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

1. Reference is made to E&R Sheet, dated 22 June 1949, from the Technical Intelligence Division, Air Materiel Command, Dayton, Ohio, requesting that this office conduct an investigation incidental to the sighting of an "unidentified object" on Tuesday, 24 May 1949 at Rogue River, Oregon.

2. Attached for your information are two copies of the report of Special Agent HARRY M. LEE, of this office, dated 27 June 1949.

3. This is an initial report and no present action is recommended. The investigation is continuing in this and other OSI District Offices. Subsequent reports will be forwarded for your review and for such action as you deem appropriate when the investigation is completed.

1 Incl  
Report of SA HARRY M. LEE  
dtd 22 Jun 49 (in dup)

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

Copy to: Hq OSI

367

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~~CONFIDENTIAL~~

5D 24-21U  
PROJECT GRUDGE

DETAILS:

1. Investigation was requested by the Technical Intelligence Division of the Air Materiel Command, Dayton, Ohio, on R&R Sheet dated 22 June 1949 to interview all witnesses and obtain all facts pertaining to the sighting of an "unidentified object" on Tuesday, 24 May 1949, about 5:00 p.m. - 2-1/2 miles up Rogue River from mouth in Oregon.

AT WHIGHT-PATTERSON AIR FORCE BASE

2. Excerpt of letter from Security Officer, National Advisory Committee for Aeronautics, Moffett Field, California, dated 14 June 1949, is quoted below:

EXP  
bc  
"report by Mr. [ ] recounting the observation by several employees of this laboratory of an unusual object apparently in flight. Mr. [ ] is employed in this laboratory's 1- by 3-foot Supersonic Wind Tunnel and is therefore necessarily somewhat familiar with high-speed flight configurations."

Inclosures:FOR COMMANDING GENERAL, AIR MATERIEL COMMAND

AF Form 112, Pages 1, 2, and 3, dated 14 June 1949 (in dup)

FOR HEADQUARTERS OSI

AF Form 112, Pages 1, 2, and 3, dated 14 June 1949 (in dup)

FOR DO #19, FAIRFIELD-SUISUN AFB

1. AF Form 112, Pages 1, 2, and 3, dated 14 June 1949 (in dup)
2. Guide to Investigation - Unidentified Aerial Objects (in quint)

P E N D I N G



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SD 24-21U  
PROJECT GRUDGE

UNDEVELOPED LEADS

DISTRICT OFFICE NO. 19, FAIRFIELD-SUISUN AFB

AT MOFFETT FIELD, CALIFORNIA

At Moffett Field, California, will interview all witnesses and obtain all facts on "unidentified objects" sighted, using the inclosed guide for reference, and will report by OSI Form O-208 with completed guide as inclosure to DG #5.

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COUNTRY

REPORT NO.

CLASSIFICATION

# AIR INTELLIGENCE INFORMATION REPORT

SUBJECT

Unconventional Aircraft

AREA REPORTED ON

Fourth Air Force

FROM (Agency Security Officer, Nat Advisory Comm  
for Aeronautics, Moffett Field, Calif)

DATE OF REPORT

14 June 1949

DATE OF INFORMATION

13 June 1949

EVALUATION

PREPARED BY (Signature)

D. P. BOUVIGNY, Major, USAF, Air of the

SOURCE

Arthur B. Freeman,  
Security Officer

REFERENCE (Citation number, Director, previous report, etc., as applicable)

SUMMARY: (State concisely in summary of report. Give significance in final one sentence paragraph. List references at lower left. Begin text of report on AF Form 112, Part II.)

Following is copy of letter and inclosure re sighting of unconventional aircraft:

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS, Ames Aeronautical Laboratory,  
Moffett Field, California. 13 June 1949

- Jerome C. Hunsaker, Sc.D., Chairman
- Alexander Helmer, Ph.D., Vice Chairman
- Gen. John A. Allison
- Vannevar Bush, Sc.D.
- Edward S. Condon, Ph.D.
- Ronald W. Larson, D.S.
- William Littlewood, M.L.
- Rear Adm. Theodore C. Longquest, U.S.N.
- Maj. Gen. Edward W. Powers, U.S.A.F.
- Vice Adm. John M. Price, U.S.N.
- Arthur S. Raymond, M.D.
- Francis W. Reichelderfer, Sc.D.
- Gen. Felix H. Kentzel
- Gen. Hoyt S. Vandenberg, U.S.A.F.
- Theodore D. Wright, Gen.

Committee Headquarters  
1724 F Street, Northwest  
Washington 25, D. C.

Langley Memorial Aeronautical Laboratory  
Langley Field, Hampton, Va.

Flight Propulsion Research Laboratory  
Cleveland Airport, Cleveland 11, Ohio

Director of Intelligence,  
Fourth Air Force,  
Hamilton Field, California.

Dear Sir:

There is attached a report by Mr. Lon Beaphy, recounting the observation by several employees of this Laboratory of an unusual object apparently in flight. Mr. [redacted] is employed in this Laboratory's 1- by 3-foot Supersonic Wind Tunnel and is therefore necessarily somewhat familiar with high-speed flight configurations. Therefore it was considered advisable to forward Mr. Beaphy's report to you inasmuch as the observers were undoubtedly competent.

Please acknowledge receipt of this report.

Very truly yours,

/s/ Arthur B. Freeman,  
Security Officer.

Encl.

# AIR INTELLIGENCE INFORMATION REPORT

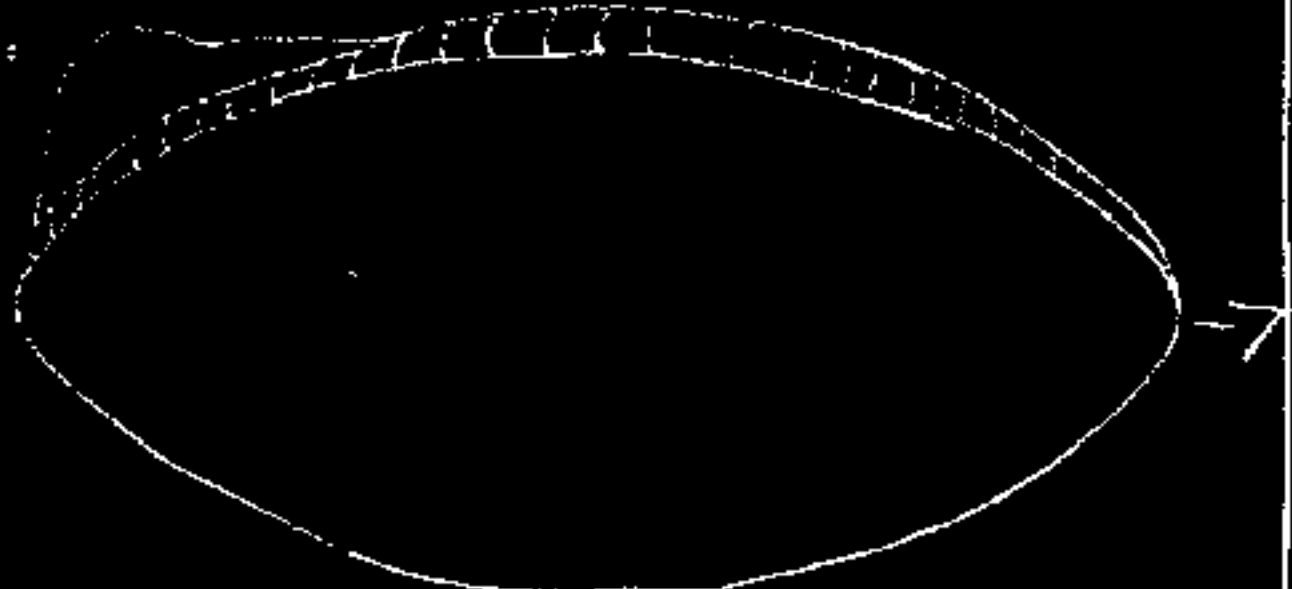
FROM (Last)	REPORT NO.	PAGE	OF	PAGES
Director of Intelligence Hq 4AF, Hamilton AFB, Calif	Unconventional Aircraft	2		

**INCLOSURE:**

"Tuesday May 24th about 5:30 P.M. -- 2 1/2 miles up Rogue River from mouth in Oregon was vantage point.

When my attention was called to an object in the sky it appeared like a round shiny object such as a round mirror with the sun shining on it and the mirror standing on edge. With the naked eye the appearance never changed. It appeared to be stationary when I first saw it. There was another party looking at it with a pair of 8-power glasses during this time. He continued to look closely to the right and it was at an angle of about 45 degrees to the 8 power glass and looked. With the glasses there was no glare. It was flat and round like a pancake and a little thicker in the center than on the edges. It appeared to be flat on the bottom. The pancake part seemed to be slightly oblong. Instead of being on edge it was lying flat. I would say it was 20 or 30 feet in diameter. The edge had an outward round radius and looked about 1 foot thick. The trailing edge as it traveled had a rough appearance. As it traveled I noticed a fin starting from nothing about halfway and becoming longer as it reached the trailing edge of the pancake but it did not protrude past the edge. The fin appeared small in relation to the rest. The fin was round on top and a inward radius on the side. The fin looked fairly thick midship and very thin at the rear.

**SEE ATTACHED SKETCH:**



It looked as if it was built out of aluminum and some of the metal looked a little dirty.

I looked very close for propellers or a jet stream but could see none. We listened very close for a noise but there was no sound of any kind. It appeared to be at an altitude of about 5,000 feet. I looked at it about two minutes or more with the glasses until it disappeared in the distance. The last 1/2 minute or so I watched it, it looked as though its speed was about like a jet plane.

There were five of us watching it. Two of us looked at it with the 8 power glasses.

I could see no openings such as doors or windows or holes of any kind.

Also observed by --

[redacted] (middle section) and three others."

[redacted] 1x5

36  
EXP

# AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)

Director of Intelligence, Hq 4AF  
Hamilton AFB, Hamilton, Calif

REPORT NO.

Unconventional  
Aircraft

PAGE

3

OF

PAGES

No propellers, jets, or other protuberances visible.  
Absolutely no sound.

Something equivalent  
to a patch



Direction  
of  
motion

ruffled

Smoother in front

Surface appeared dirty and  
spotty in color

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AUTH: CG, AMC  
INITIALS *and*

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MCIAIS/HNS/AMC

INSPECTOR GEN'L'S  
OFFICE

PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

*Handwritten notes:*  
in summary  
report  
w/ full  
#

SUPPLY AND MAINT.

PROC. & DIB. MGR.

4 JUN 1949

Project "Grudge"

Headquarters USAF  
Director of Intelligence  
ATTN: Air Defense Branch  
Major Boggs, AFOIN  
Washington 25, D. C.

1. Inclosed copy of letter, dated 12 May 1949, from the 17th District Office of Special Investigations to the Director of Special Investigations, subject: Unknown (Aerial Phenomena) is forwarded for your information.

2. This Command agrees with the proposal (Para. 4. a. of inclosure) that a scientific investigation of the New Mexico aerial phenomena (green fireballs) be undertaken and that this investigation be independent of Project "Grudge".

3. In Para. 4. b. (1) of inclosure is outlined a program for this investigation. Herein and in other reports and correspondence, Dr. LaPas refers to the objects as fireballs and/or meteors without qualification of the terms. If these phenomena are thought to be merely unusual celestial phenomena and are to be treated as such, while they would be of scientific interest, it is not clear how they relate to the National Defense of the United States as implied in Para. 7. of inclosure.

FOR THE COMMANDING GENERAL:

1 Incl: MALCOLM D. SEASHORE  
Cy Ltr, 5/12/49, "Unknown Lt Colonel, USAF  
(Aerial Phen.)", (1-1pgs), Acting Chief, Intelligence Department  
S-50422

*Handwritten signature:* *and*

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CONTROL NO. E - 747	SUBJECT: <b>L&amp;P</b> Project GRUDGE CONF..	DECIMAL FILE NO. <i>✓</i>	FOLLOW UP ON DATE
FROM: <b>SD-OSI</b>	<i>R-144</i>	DATED: <b>6/16/49</b>	No. INCL. <b>1</b>
TO: <b>IAXS</b>		RECORDED: <b>6/17/49</b>	HOUR <b>1100</b>
RECORDING DESK	<b>RIT-1</b>		
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
<b>IAXS</b>	<b>N/R</b>	<i>[Signature]</i>	<b>21 Jan</b>
REPLY	OTHER DISPOSITION:		TRANSMITTAL AND FORM NO. 18-1 (23 NOV. 47) SEE OTHER SIDE FOR REMARKS

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

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

File No : 24-8

DR/MEH/web  
12 May 1949

SUBJECT: UNKNOWN (Aerial Phenomena)

TO: Director of Special Investigations  
Office of The Inspector General USAF  
Washington 25, D. C.

1. Reference is made to INX from this district, OSI 4-26-C, dated 27 April 1949, pertaining to file number 24-8 of this district.

2. On 27 and 28 April 1949, Dr Joseph Kaplan, University of California, Member of the Scientific Advisory Board, USAF, visited this district office and other Governmental and military installations in the area. The purpose of this visit was to review the reports of investigation and the circumstances surrounding the unidentified aerial phenomena that have been observed in this area during the last five months and to thereby make recommendations as to the advisability of making a scientific investigation of these occurrences. The investigation of Dr. Kaplan was conducted under orders transmitted to him by Dr Theodore Von Karman, Secretary of the Scientific Advisory Board, USAF.

3. Dr Joseph Kaplan, accompanied by Lt Col Doyle Rees and Captain Melvin E. Neef, of this office, and Dr Lincoln LaPaz, Institute of Meteoritics, University of New Mexico, visited Sandia Base, New Mexico, and Los Alamos, New Mexico.

4. Present at the conference at Sandia Base on the morning of 27 April 1949 were:

Lt Col Herbert L. Crisler, Armed Forces Special Weapons Project  
Lt Col Fredrick J. Clark, Armed Forces Special Weapons Project  
Mr. Matthew J. Doyle, Armed Forces Special Weapons Project  
Comdr R. E. Mandelkern, Armed Forces Special Weapons Project  
Dr Joseph Kaplan  
Dr Lincoln LaPaz  
Lt Col Doyle Rees  
Captain Melvin E. Neef

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1	NAME OR TITLE <i>Central File</i>	INITIALS	CIRCULATE
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DA 480 FORM 896 1 FEB 48 Replaces WD AGO Form 896, 1 Jan 1946, which may be used.

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BASIC: Letter, Hq 17th District OSI (IN) USAF, dated 12 May 1949  
file number 24-8, subject, "UNKNOWN (Aerial Phenomena)"

a. At this conference Dr Kaplan reviewed developments of interest in the aerial phenomena on the part of the Scientific Advisory Board, following his report to Dr Von Karman concerning information given him early in February by Dr LaFaz, Lt Col Doyle Rees, Major William H. Godsoe, Fourth Army Intelligence Liaison, Sandia Base, and Captain Malvin E. Neef. Additional evidence, concerning not only specific incidents, but relating to the very intense interest felt in the aerial phenomena in the area covered by the represented agencies, was then given by Lt Col Crisler, Lt Col Rees, Commander Mandelkern and Captain Neef. At the conclusion of the testimony given by the individuals listed above, Dr Kaplan stated that it was his intention, on the basis of the information so far made available to him, to recommend that a full scale scientific investigation of the aerial phenomena be undertaken as a project set up at the Institute of Meteoritics of the University of New Mexico, The Institute to receive full cooperation from other interested agencies in the area. Dr Kaplan stressed that this project was to be separated completely from Project "Grudge" (old Project "Bign").

b. Dr LaFaz outlined the program to be undertaken in the event the project suggested by Dr Kaplan was approved by the Scientific Advisory Board. Dr LaFaz separated the problem into two parts; first, the collection of observation data; and second, the evaluation of such data.

- (1) Collection of Data: Under this heading Dr LaFaz recommended that attempts be made to secure systematic visual, photographic, spectrographic and radar observations of the aerial phenomena occurring in the vicinity of at least the following three centers: first, the Atomic Energy Commission installation at Los Alamos, New Mexico; second, the Atomic Energy Commission installation at Sandia Base; and third, the USAF Guided Missile installation at Holloman Air Force Base, Alamogordo, New Mexico. Lt Col Rees emphasized that provision should be made to secure systematic coverage at the Fourth Army installation at Camp Hood, Texas, where a number of incidents have occurred recently. Dr LaFaz also recommended that field searches be made after appropriate air reconnaissance, such searches to employ drag-magnets for the collection of any ferro-magnetic materials that may have been thrown down by the fireballs; meteor detectors in areas where larger, buried fragments were thought to be located and, if possible, systematic search of the earth's surface in well-determined stream-fields by use of man power from

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BASIC: Letter, Hq 17th District OSI (IG) ~~dated~~ 12 May 1949, file number 24-8, subject, "UNKNOWN (Aerial Phenomena)"

military installations. Dr LaPaz also recommended that, in connection with air search, an attempt be made to collect fine dust and tiny spheres resulting from the volatilization of the fireballs, which conceivable require several days to fall down through the atmosphere to the earth after the appearance of a fireball. It was his recommendation that the collection of such dust be attempted by use of the collection techniques recently devised by Dr William Crozier of the New Mexico Proving Ground.

- (2) Evaluation of Data: In connection with the evaluation of the observational data secured and any material specimens that may be recovered, Dr LaPaz recommended that arrangements be made permitting Dr Edward Teller of the University of California Group at Los Alamos, Dr William Crozier of the New Mexico Proving Ground, Dr Kent and his ballistics staff at Aberdeen Proving Ground, and Professor Clyde Tombaugh and his associates at White Sands Proving Ground, to act as consultants for the project. At the conclusion of Dr LaPaz's remark, Commander Mandelkorn recommended that the staff of the Harvard College Observatory Meteor Program installation, near White Sands Proving Ground, also be made available for consultation purposes. Dr LaPaz agreed that this was desirable, but pointed out that it has been impossible to secure cooperation from Mr Carroll of the Harvard College Observatory Group in the past. This point was confirmed by Captain Neef, and Commander Mandelkorn then volunteered to insure that in the future there would be no difficulty in securing cooperation from the HCO Meteor Staff.

5. On the afternoon of 27 April 1949, Dr Kaplan studied the files of the 17th District Office of Special Investigations as pertained to the occurrence of aerial phenomena, and was further briefed by Lt Col Rees, District Commander, Captain John J. Stahl, Jr, Deputy District Commander, Captain Neef, Supervisor of the Security Division, Special Agent Jack L. Boling and Dr LaPaz. No new recommendations arose as a result of this conference, but it was felt that the incidents studied rendered imperative initiation of such a systematic program of investigation as Dr Kaplan had proposed at the Sandia Base conference during the morning.

6. On 28 April 1949 Dr Kaplan, Dr LaPaz, Lt Col Rees and Captain Neef met at the Atomic Energy Commission installation, Los Alamos, New Mexico, with the following:

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BASIC: Letter, Hq 17th District USI (20) USAF, dated 12 May 1949,  
file number 24-5, subject, "UNKNOWN (Aerial Phenomena)"

Mr. B. D. Wells, Director of Security  
Mr. Sidney Newberger, of the Security Office  
Mr. John A. Carroll, AEC Security Service  
Mr. Earle D. Hightower, of the Security Office  
Mr. Henry R. Hoyt, University of California  
Mr. Abner Schreiber, AEC Security Service

This conference was held at the request of Dr Kaplan in order that he might ascertain the nature of the observations made by members of the Atomic Energy Commission and the AEC Security Service Inspectors at Los Alamos, and that he might personally determine the degree of concern felt by the Security and scientific personnel at the installation. Dr Kaplan personally interviewed a number of University of California personnel and AEC Security Service Inspectors, who had personally observed anomalous luminous aerial phenomena. No further recommendations were made at this conference. Dr Kaplan stated that he would immediately submit his report to Dr Von Karman, setting out his findings and make the recommendations set forth above.

7. Dr Kaplan expressed a great concern, as these occurrences relate to the National Defense of the United States. He advised that he felt that this was of extreme importance and should be investigated scientifically.

DOYLE REES  
Lt Col, USAF  
District Commander

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

In Reply Refer to: 5D 24-21

5D-2007/AMW/AMW  
The Inspector General, USAF  
5th District Office of Special Invest-  
igations  
Wright-Patterson Air Force Base, Dayton, Ohio

16 June 1949

SUBJECT: PROJECT GRUDGE  
SPECIAL INQUIRY

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

1. The inclosed report of investigation by Special Agent LOUIS  
H. COLEMAN, DO #9, Barksdale AFB, is forwarded for your information  
and any action deemed necessary.

2. No investigation regarding this incident was requested  
through this office.

1 Incl  
R/I dtd 27 May 49  
(in dup)

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

5D 24-21 (16 June 49)

1st Ind

MCIACG/OWT/abc

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

TO: The Inspector General, USAF, 5th District Office of Special Investi-  
gations, WPAFB, Dayton, Ohio

1. Other sources list date of sighting as 19 May 1949.
2. Desire confirmation of date.

FOR THE COMMANDING GENERAL:

Incl: w/d

*Henrietta*  
MALCOLM D. SEASHORE  
Lt Colonel, USAF  
Acting Chief, Intelligence Department

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RESEARCH & DEV.

INTELLIGENCE

*A. Jones*  
*R. Miller*  
*C. Smith*

SUPPLY AND MAINT.

PROC. & INFO. MGR.  
FINO.

6 JUN 1949

OTHER

AMC Form No. 5  
(Rev 1 Apr 48)  
(Formerly AMC 10-7)

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/JEM/fmm

THE INSPECTOR GENERAL, USAF  
8TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO: 5D 24-216

3 June 1949

SUBJECT: PROJECT GRUDGE  
Incident, Memphis, Tennessee  
SPECIAL INQUIRY

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

1. Reference is made to report of investigation by Special Agent JOHN E. MORRILL, subject and file as above, dated 29 April 1949.
2. Inclosed for your information and any action deemed necessary is report of investigation by Special Agent WILLIAM T. HECKART, SR., 8th OSI District, Maxwell Air Force Base, Alabama.
3. With the submission of this report, the files of this office are being closed in instant investigation.

1 Incl  
R/I dtd 20 May 49  
(in Dup)

*John E. Morrill*  
JOHN E. MORRILL  
THOMAS F. DOYLE, JR  
Captain, USAF  
Acting District Commander

Cy to: Hq OSI

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ARC FORM NO. 10-567  
(REV 1 NOV 48)

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TO: OFFICE AND INDIVIDUAL IN TURN

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FOR: FOLLOWING ACTION (S) AS CHECKED

APPROVAL	INVESTIGATION	RECOMMENDATIONS
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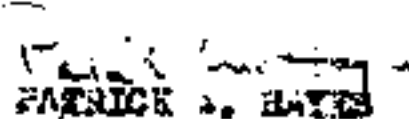
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UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. <b>24-33</b>	DATE <b>20 May 49</b>
TITLE  <b>PROJECT GRUDGE                  Incident, Memphis, Tennessee                  7 April 1949</b>		REPORT MADE BY <b>William T. Sookart, Jr.</b>	
		REPORT MADE AT <b>DO-8, Maxwell AFB</b>	
		PERIOD <b>16, 17, 18 May 1949</b>	
		OFFICE OF ORIGIN <b>DO-8, Wright-Patterson AFB</b>	
		STATUS <b>RUC</b>	
CHARACTER <b>SPECIAL INQUIRY</b>			
REFERENCE <b>Initial Report fr DO-8, Wright-Patterson AFB, file SO 24-210, dtd 29 Apr 49.</b>			
SYNOPSIS          <p>Interviews were conducted with two persons who said they observed unidentified aerial phenomena between 0001 and 0400 hours on 7 April 1949 at Memphis, Tennessee. One person, who was quoted by a local newspaper as an observer of this phenomena, could not be located for interview. The investigation further revealed that no astronomical irregularities were observed by the Government Weather Bureau, nor were any unusual aerial operations conducted or observed by the Naval Air Station, Millington, Tennessee.</p>			
DISTRIBUTION  13 SI 10 48 file		ACTION COPY FORWARDED TO	FILE STAMP
2 Exhibits: Newspaper clippings		APPROVED   <b>PATRICK A. HAYES</b> Lt. Col., USAF	

PROJECT HUDGE, 24-33DETAILS:AT MEMPHIS, TENNESSEE:

1. On 16 May 1949, a review of the files at the Memphis Press-Scimitar and the Memphis Commercial Appeal disclosed articles which were published on 8 April 1949 concerning the appearance of strange aerial objects during the early hours of 7 April 1949. These articles named Mrs. [ ] Miss [ ] and Mrs. [ ] as observers of the phenomena. (Exhibits 1 and 2)

2. On 16 May 1949, an interview was conducted with Mrs. [ ] Tennessee. [ ] is employed as Night Manager at Andy's Grill, 2172 Florida Avenue, Memphis, Tennessee. [ ] stated that she does not drink, and she appears to be conscientious, truthful, and cooperative. Local police check was negative. [ ] supplied the following information:

**Date of Observation:** 7 April 1949, 0200 to 0400 hours

**Place of Observation:** [ ] Memphis, Tenn.  
25 Deg, 5' E; 89 Deg, 59' W.

**Position of Observer:** First viewed through window of ground-floor apartment then from outdoors in back yard.

**What Attracted Attention:** Neighbor, Miss [ ]

**Number of Objects:** 6 to 9, scattered and whirling.

**Apparent size:** Appeared to be the size of a gallon jug.

**Color of Objects:** Yellowish-White.

**Shape of Objects:** Oval

**Altitude:** 45 degrees above horizon.

**Direction from Observer:** First seen at 225 degrees; last seen at 135 degrees.

3

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PROJECT BRIDGE, 24-33

Distance from Observer:	Estimated at one to two miles.
Direction of Flight:	Erratic; diving, climbing, whirling.
Time in Sight:	0200 to 0400 hours, 7 April 1949.
Velocity:	Five to ten miles per hour.
Sound and Odor:	None noted.
Trail:	None noted.
Luminosity:	Medium brilliance visible by reflection.
Projections:	None noted.
Maneuvers:	Gleiting and diving while whirling.
Manner of Disappearance:	Was not observed.
Effect on Clouds:	None noted.
Weather Conditions:	Clear sky, no moon.
Additional Information:	Objects appeared to avoid flight path of three or four airplanes which flew overhead at intervals during the time of observance. Observer was not wearing glasses of any kind.

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3. On 18 May 1949, interview was conducted with Miss [ ] Memphis, Tennessee. [ ] is a housewife and registered nurse. She stated that she had nothing to drink on the night in question. She appears to be a highly emotional person. A check of the Police Department, Memphis, Tennessee, was made concerning [ ] with negative results. [ ] supplied the following information:

Date of Observation:	7 April 1949, 0001 to 0400 hours.
Place of Observation:	[ ] Memphis, Tennessee. 35 Deg. 8' N; 89 Deg. 59' W.

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PROJECT GRIDDLE, 24-33

Position of Observer:	First viewed through open window and then from outdoors in back yard of apartment house.
What attracted Attention:	Accidental observation.
Number of Objects:	4 to 7, whirling, diving, and climbing.
Apparent Size:	About the size of a gallon jug.
Color of Objects:	Silver.
Shape of Objects:	Oval.
Altitude:	45 degrees above horizon.
Direction from Observer:	First and last seen at 225 degrees.
Distance from Observer:	About two miles.
Direction of Flight:	Clockwise whirling movement, climbing and diving.
Time in Sight:	0001 to 0400 hours, 7 April 1949.
Velocity:	50 to 75 miles per hour.
Sound and Odor:	None noted.
Trail:	None noted.
Luminosity:	Very brilliant, visible by reflection.
Projections:	None Noted.
Maneuvers:	Clockwise turning, climbing and diving.
Manner of Disappearance:	Disappeared suddenly at 0400 hours.
Weather Conditions:	Clear sky; no moon; no rain.
Additional Information:	At approach of aircraft, objects would move out of flight path. Observer viewed objects through eye glasses.

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PROJECT GRUDGE, 21-33

4. On 16 and 18 May 1949, all attempts to locate Mrs. [ ] Memphis, Tennessee, met with negative results. The address given is non-existent. Mrs. [ ] stated that she has lived in that neighborhood for over forty years, and she did not know [ ] Neither [ ] (paragraphs 2 and 3 above) were acquainted with [ ] A review of the city and telephone directories failed to disclose any information concerning [ ] On 19 May 1949, Mr. E. L. FERGUSON, Postal Clerk, U. S. Post Office, Memphis, Tennessee, reviewed the official records of his office which failed to disclose [ ] present or former address. On 19 May 1949, Mrs. MARY F. RAY, Board of Education, 317 Poplar Avenue, Memphis, Tennessee, reviewed the attendance records which failed to disclose any information concerning [ ] son of Mrs. [ ]

NOTE:

The neighborhood in which [ ] resided is one largely composed of rental property and there is a frequent turn-over of tenants.

5. On 25 May 1949, Mr. ARCHIE M. QUINN, Re-write Desk, Commercial Appeal Newspaper, Memphis, Tennessee, stated that on 7 April 1949, he received a telephone call from a person who identified herself as Mrs. [ ] She said that she had observed balls of light in the sky during the early hours of 7 April 1949. QUINN stated that no reporter had been detailed to interview [ ] He said that the article which appeared in the newspaper on 8 April was written on the basis of information received over the telephone. Mr. MALCOLM ADAMS, City Editor, Commercial Appeal, verified QUINN's statements.

NOTE:

QUINN stated that [ ] has called the newspaper on several occasions seeking or offering information on various, unbecoming subjects. He considers her to be a minor nuisance. QUINN said that it was entirely possible that [ ] had made the telephone call attributed to [ ]

6. On 17 May 1949, Mr. CECIL GARREY, Chief Forecaster, U. S. Department of Commerce Weather Bureau, Memphis, Tennessee, stated that weather balloons were sent aloft at 2100 hours on 6 April 1949 and at 0300 hours on 7 April 1949. He said the balloons contained a two-volt light, that they rose at the rate of 500 feet per minute, and that the light would be visible for 10 or 15 minutes. GARREY furnished the following weather information for 7 April 1949:

0001: Clear; visibility 15 miles; wind SW at 15 mph.

0100: Clear; visibility 15 miles; wind SW at 19 mph.

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PROJECT GRUDGE, 24-33

- 0200: Clear; visibility 15 miles; wind SE at 12 mph.  
0300: Clear; visibility 15 miles; wind SE at 13 mph.  
0400: Clear; visibility 12 miles; wind SE at 12 mph.  
0500: Clear; visibility 10 miles; wind S at 8 mph.

CARREZY stated that no unusual astronomical phenomena had been observed or reported by any of his subordinates during the above period.

7. On 17 May 1949, Mr. G. W. RHOLES, Senior Aircraft Controller, Civil Aeronautics Administration, Airways Communication Station, Municipal Airport, Memphis, Tennessee, stated that his daily log for 7 April 1949 disclosed no report of aerial phenomena during the hours of 0001 to 0500.

AT MILLINGTON, TENNESSEE:

8. On 18 May 1949, Lt. Comdr. T. S. GAY, USN, 129670, Operations Officer, Naval Air Station, Millington, Tennessee, reviewed the official records of his office which disclosed that no ground radar units were in operation during the hours 0001 and 0400, 7 April 1949. He stated that there were no unusual operations during this period and none had been reported.

REFERRED UPON COMPLETION

UNCLASSIFIED

CONTROL NO. <b>R - 200</b>	SUBJECT: <b>Ltr</b> <b>Project CRIDGE</b> <b>CONF</b>	DECIMAL FILE NO.	FOLLOW UP ON
FROM: <b>SD-OSI</b>	<b>R-445</b>	DATED <b>6/3/49</b>	DATE
TO: <b>IATS</b>		NO. INCL. <b>1</b>	
RECORDING DESK	<b>AIT-1</b>	DATE <b>6/3/49</b>	HOUR <b>1400</b>
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
<b>IATS</b>	<b>7/R</b>		<b>ame 6/7/49</b>
DATE OF REPLY	OTHER DISPOSITION:		

TRANSMITTAL  
 AND FORM NO. 10-2  
 (25 NOV 47)  
 SEE OTHER SIDE  
 FOR REMARKS

UNCLASSIFIED



HEADQUARTERS  
4400TH AIR BASE GROUP  
STEWART FIELD, NEWBURGH, N. Y.

3 June 1949

SUBJECT: Report of "Flying Discs"

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

1. In compliance with par. 1 a., ADC Letter, 200-1, dated 25 March 1948, subj: Report of Flying Discs, the following report is submitted:

- (1) Location and time of sighting: Two (2) miles beyond Stewart Field, Newburgh, New York, 30° Northwest of the position of the moon at 2030 EST.
- (2) Weather at the time: 1 June 1949 at 2030 EST (08 200/66/48 / 12) Sky clear, Visibility eight (8) miles sea level, pressure 1020 millibars, temperature 66° F, Dew point 48° F and winds from south-southwest at 12 knots.
- (3) Name: Miss [ ]  
Occupation: Secretary at Newburgh News Office,  
Newburgh, New York  
Address: [ ] Walden, N. Y.  
Phone [ ] Walden, N. Y.
- Name: Mr [ ]  
Address: [ ] St.,  
Walden, New York
- Name: Mr [ ]  
Address: [ ] Walden, New York
- Name: Miss [ ]  
Address: [ ] Walden, New York
- Name: Miss [ ]  
Address: [ ] Walden, New York
- Name: Mr [ ]  
Occupation: Catholic Worker  
Address: [ ] Newburgh, New York  
Phone [ ] Newburgh, N. Y.
- Name: S/Sgt [ ]  
Occupation: Soldier  
Address: [ ]  
Stewart Field, Newburgh, N. Y.

~~CONFIDENTIAL~~

UNCLASSIFIED

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Rpt of "Flying Discs" 3 June 1949 continued.

INSPECTOR GEN'L'S  
OFFICE



PUBLIC INR. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

*A. T. ...*  
*A. T. ...*

SUPPLY AND MAINT.

PROC. & IND. MOD.  
FORMS\*

15 JUN 1949

ANC Form No. 8  
(Rev 1 Apr 48)  
(Formerly ANC 16-7)

- (4) Photostats of object: if available: None.
- (5) Sketch of objects configuration: None.
- (6) Object sighted:
  - (a) Number: One (1).
  - (b) Shape: appearance of an inverted questionmark.
  - (c) Size: appeared to be size of the moon, only in an oblong shape.
  - (d) Color: Yellow.
  - (e) Speed: Undetermined.
  - (f) Heading: Northwest.
  - (g) Maneuverability: One direction.
  - (h) Altitude: Very high.
  - (i) Sound: None.
  - (j) Exhaust: None available.

(7) General remarks:

The above witnesses state that they watched the object from approximately 2030 to 2100, 1 June 1949, and that the object would appear and disappear every few minutes until it disappeared completely at about 2100.

/s/ Mallock F. A. Malmsley  
MALLOCK F. A. MALMSLEY  
Lieutenant Colonel, USAF  
Commanding

1st Ind

MCIAS/GWT/ano

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

JUN 16 1949

TO: CO, Stewart Field, Newburgh, New York

1. It is requested that the Base Intelligence Officer initiate an investigation and obtain a detailed description from each witness to the sighting reported in basic letter.
2. As an aid to the investigating officer in obtaining the desired data, six copies of our Guide to Investigation are inclosed herewith.

FOR THE COMMANDING GENERAL:

1 Incl: *VI*  
Guide to Investigation (6)

*Malcolm D. Seashore*  
MALCOLM D. SEASHORE  
Lt Colonel, USAF  
Acting Chief, Intelligence Department

~~CONFIDENTIAL~~

\*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK

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WF-1-15 APR 49 3 M

CENTRAL FILE COPY

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AMC Form No. 16-7  
(12 May 47)  
(Old AMC Form No. 16-50B)

PRINT OFFICE SYMBOL,  
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OF COORDINATION IN  
APPROPRIATE BLOCK  
CB, CD OR DEPUTY

AIR INSPECTOR

*Handwritten initials*

NOIAXS



PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & INS. MOD.  
PLNG.

OTHER

NOIAXS/LIL/dnt

MAY 31 1949

SUBJECT: Request for Job Clearance to Receive Atomic  
Energy Information

TO: The Inspector General, USAF  
Headquarters, USAF  
Attn: The Air Provost Marshal  
Washington 25, D. C.

1. In accordance with the provisions of USAF Regulation 205-3, dated 30 September 1948, subject: "Security Measures for Restricted Data", job clearance for the following position, described below, is requested to permit individual occupying this position to have access to information classified as Restricted Data under the Atomic Energy Act of 1946 (Public Law 535, 79th Congress). The position listed below is in the Special Analysis Section, Analysis Division, Air Materiel Command. The required numbers of Form 643A and Standard Form 87, for fingerprints, have been accomplished by the person occupying this position and are attached.

a. Mrs. Doris M. Tumbleson, Clark-Steno, Special Analysis Section, Science Branch

2. Clearance is requested for the following reasons:

a. Personnel assigned to the above job will be required to receive and file information classified as Restricted Data and, in addition, will aid in the preparation of reports utilizing information of this nature, in connection with the analysis and evaluation of the technical aspects of foreign nuclear energy programs. Information classified as Restricted Data will be used as an important basis for estimates of foreign progress in the nuclear energy field and is essential to the satisfactory performance of this assigned mission. Types of information required include, primarily, information on domestic projects which, if paralleled by similar developments in a foreign nation, would affect Air Force operations, e.g., the KEPA Project. However, to insure adequate estimates

\*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK

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WF-16 SEC 47 1948

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# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCA GXF11		
2			
3			
4			
5			

FOR: FOLLOWING ACTION(S) AS CHECKED

Approval	Investigation	Recommendations
Conference	Information	Signature
Compliance	Note and File	See or Phone Me
Coordination	Note and Return	Verbal Report
Comment	Prep. of Reply	
Distribution	Reply Direct to Writer	

REMARKS:

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE

WF-1-33 JAN 47 5 MIL BOMM

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PRINT OFFICE SYMBOL,  
INITIALS AND DATE  
OF COORDINATION IN  
APPROPRIATE BLOCK  
CG, CD OR DEPUTY

AMC Form No. 10-7  
(18 Nov 47)  
(Old AMC Form No. 10-388)

Ltr AKG to Deputy C/S, Materiel, "request  
for Job Clearance to Receive Atomic Energy Information"

of foreign progress along these specialized lines of pri-  
mary interest, familiarity with the more general aspects  
of the domestic nuclear energy development program will  
be indispensable.

b. Personnel assigned to this position of Clerk-  
Stenographer will require frequent contact with this type  
of information.

3. Information classified as Restricted Data is now  
being received at this office. At the present time, only  
one person in the Science Branch, Mr. L. H. Lloyd, is  
cleared for this type of information and it is highly de-  
sirable that some other person be available, as soon as  
possible, not only for receiving and maintaining files of this  
type of information, in his absence, but for typing re-  
ports which may make reference to Restricted Data. For  
this reason, it is further requested that an interim clear-  
ance be granted, as the delay incident to completing a  
background investigation has been determined to be detri-  
mental to the common defense and security.

FOR THE COMMANDING GENERAL:

1 Incl  
Form 613A (6 cys)  
w/std Form 87 for  
fingerprints

*W. J. Clinger*  
W. J. CLINGERMAN  
Colonel, USAF  
Chief, Analysis Division  
Intelligence Department

2

AIR INSPECTOR

PUBLIC INF. OFFICE

CONTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & MD. MOB.  
PLNG.

OTHER

*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINA- TION BLOCK	ORIG. FILE COPIES TO		INITIALS	EXTRA COPY RETAINED	OFF. SYMBOL	INITIALS
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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-CSI/RP/01k  
THE INSPECTOR GENERAL, USAF  
9TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO: 5D 24-21K

27 May 1949

SUBJECT: PROJECT "GRUDGE"  
Incident, 7 May 1949  
Sidney, Ohio  
SPECIAL INQUIRY

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

1. Reference is made to Routing & Record Sheet, your office, dated 10 May 1949, requesting investigation be conducted on the "flying saucer" at Sidney, Ohio.
2. Forwarded for your information are two (2) copies of the final report of Special Agent ROSCOE PAGE, of this office, dated 26 May 1949.
3. With the submission of this report, all logical investigative leads have been developed and reported.

Incl  
Rpt of SA ROSCOE PAGE  
dtd 26 May 49 (in dup)

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

Copy to:  
Hq. OSI

SEARCHED \_\_\_\_\_  
SERIALIZED \_\_\_\_\_  
INDEXED \_\_\_\_\_  
FILED \_\_\_\_\_  
MAY 28 1949  
9TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

*310*

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5-31

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UNITED STATES AIR FORCE  
THE INSPECTOR GENERAL  
OFFICE OF SPECIAL INVESTIGATIONS  
REPORT OF INVESTIGATION

FILE NO.  
5D 24-21K

DATE  
26 May 1949

REPORT MADE BY  
ROSCOE PAGE

emb

TITLE

PROJECT "GRUDGE"  
Incident, 7 May 1949  
Sidney, Ohio

REPORT MADE AT  
DO #5, W/P AFB, Dayton, Ohio

PERIOD  
18 May 1949

OFFICE OF ORIGIN  
DO #5, W/P AFB, Dayton, Ohio

STATUS  
CLOSED

CHARACTER

SPECIAL INQUIRY

REFERENCE

NONE. This is an initial report.

SYNOPSIS

Investigation requested by Colonel W. R. CLINGERMAN, Chief, Analysis Division, Intelligence Department, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, to investigate a report contained in the 7 May 1949 edition of the Dayton Daily News, Dayton, Ohio, that a "flying saucer" was seen at Sidney, Ohio on 6 May 1949. An unidentified bright silver object was observed traveling through space at a fast rate of speed on 3, 4 and 6 May 1949, by residents of Sidney, Ohio and Maplewood, Ohio.

DISTRIBUTION

CG, AMC (Incl) 2  
Hq OSI (Incl) 2  
File (Incl) 2

ACTION COPY FORWARDED TO

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

FILE STAMP

APPROVED

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

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5D 24-21K  
PROJECT "GRUDGE"

DETAILS:

1. This investigation was predicated upon receipt of a Routing and Record Sheet, dated 10 May 1949, from Colonel W. R. CLINGERMAN, Chief, Analysis Division, Intelligence Department (MCIAS), Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, requesting an investigation be conducted of the "flying saucer" seen at Sidney, Ohio and reported by a newspaper article in the 7 May 1949 edition of the Dayton Daily News, Dayton, Ohio.

AT DAYTON, OHIO

2. Mr. HERBERT SHAW, Dayton Daily News, Dayton, Ohio, was contacted on 18 May 1949 and he stated that Miss MILDRED CROMLEY of the Sidney Daily News, Sidney, Ohio, had furnished them the information for their newspaper.

AT SIDNEY, OHIO

3. Miss MILDRED CROMLEY, Sidney Daily News, Sidney, Ohio was interviewed on 18 May 1949 and she stated that the only information that she had on the "flying saucer" was published in their paper on 3 May 1949 and 6 May 1949. Photostatic copies of the two newspaper articles attached hereto. CROMLEY stated that Mr. [ ] [ ] Sidney, Ohio and Mr. [ ] Sidney, Ohio saw the "flying disc" on 3 May 1949. Mrs. [ ] [ ] Maplewood, Ohio saw a "flying disc" on 4 May 1949 and Mr. [ ] [ ] Sidney, Ohio saw a "flying disc" on 6 May 1949.

4. Mr. [ ] [ ] was interviewed on 18 May 1949 and he stated that he had observed an unidentified aerial object at approximately 0900 hours on 3 May 1949, just as he was opening his jewelry store for business. [ ] [ ] stated that he was watching some birds on a high wire that crossed the street in front of his store when the bright shiny silver object appeared high in the sky. The object was shaped like a disc, approximately five inches in diameter and appeared to be traveling at a fast rate of speed. The object appeared at approximately eighty-five degrees overhead and was traveling northeast. [ ] [ ] lost sight of the object when the building obstructed his view. [ ] [ ] stated that the object wavered in flight, climbed and descended slightly and was in sight for approximately two minutes. The weather was clear, no wind was blowing and no planes were in the vicinity at the time the object was in sight. The object didn't make any sound or leave any trail. [ ] [ ] did not take any photographs of object.

5. Mr. [ ] [ ] was interviewed on 18 May 1949 and he stated that he saw the object when [ ] [ ] called his attention to it. [ ] [ ] stated that the time was between 0900 and 0915 hours on 3 May 1949. The object was oblong in shape and appeared to be about the size of a softball. The object was in sight for approximately two minutes and was traveling north in a straight line



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5D 24-21X  
PROJECT "GRUDGE"

leaving a grayish colored trail behind.

6. Mr. [ ] Sidney, Ohio was interviewed on 18 May 1949 and he stated that he observed object at approximately 0830 hours on 6 May 1949, in front of Cook's Spot Restaurant, located at the corner of South Ohio and West Court Streets, Sidney, Ohio. The brightness of the object attracted [ ]'s attention. [ ] was unable to determine the shape of the object due to its bright reflection, but appeared to be approximately five inches in diameter. The object was about a half mile west and traveling south at a great altitude. The object was in sight approximately two minutes, appeared to be traveling at a fast rate of speed and faded out in the sky. The object traveled in a straight line and was very brilliant against a clear, blue sky. The object did not make any sound or leave any trail. [ ] could not see any projections as the object was too bright and too far away. [ ] is the owner of the camera store at the above address but did not take any photographs of the object.

7. Miss [ ] Sidney, Ohio was interviewed on 18 May 1949 and she stated that she saw the object when called her attention to it. The object appeared to be five inches in diameter, one inch in thickness and was probably larger due to the great distance. The object had a flat, circular shape. [ ] stated that she lost sight of the object once but that it reappeared in the same position. The rest of [ ] statement corresponded to that of [ ].

8. Mr. [ ] Spot Restaurant, Sidney, Ohio stated that he saw the object but couldn't give any description other than that it was a round, bright, shiny object traveling south through space at a fast rate of speed.

AT MAPLEWOOD, OHIO

9. Mrs. [ ] Maplewood, Ohio was interviewed on 18 May 1949 and she stated that at approximately 1830 hours, 4 May 1949, while she was working in the garden of her farm which is approximately three miles northwest of Port Jefferson, Ohio and four and a half miles west of Maplewood, Ohio, she was attracted by the sudden glare of an unidentified object. The object reflected very bright light when the sun hit it and it was whirling and traveling through space at a great rate of speed. The object appeared to be six inches diameter, a bright, silver color and had a flat round or flat oblong shape. Mrs. [ ] sighted the object at a high altitude, traveling northeast. The object appeared to be between her farm and Port Jefferson. The object was in sight for less than two minutes and disappeared by fading out in the sky. The object did not make any sound or leave any trail. The weather was clear, no wind was blowing and no planes were in the vicinity at the time the object was in sight. No photographs were taken of the object.

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SD 24-21K  
PROJECT "BRIDGE"

INCLOSURES:

1. Photostatic copy of newspaper article from Sidney Daily News, dated 3 May 1949.
2. Photostatic copy of newspaper article from Sidney Daily News, dated 6 May 1949.

C L O S E D

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# Two Silhouettes Seen Flying Discs Seen Seen

SIDNEY, OHIO, TUESDAY EVENING, MAY 3, 1949

SINGLE C

## Sidney Men See 'Flying Disc'

Two Silhouettes were reported seen flying a flying disc, was reported as they stood in front of Wilford's jewelry store on West High street.

E. R. Wilford first noticed the ascending object as it passed southward. He pointed to Wilford's barbers, Sydney Thayer, Thayer's son, who was near, and both observed the silvery disc until it disappeared.

Sprague said the object was about the size of a baseball.

It ascended for awhile, then descended a slight course according to Wilford who received the disc as he was watching the flight of some birds.

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AAC Form No. 10-307  
(Rev 1 Nov 46)

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MC AGX 14		
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5			

FOR: FOLLOWING ACTION(S) AS CHECKED

<input checked="" type="checkbox"/> Approval	<input checked="" type="checkbox"/> Investigation	<input checked="" type="checkbox"/> Recommendations
<input checked="" type="checkbox"/> Conference	<input checked="" type="checkbox"/> Information	<input checked="" type="checkbox"/> Signature
<input checked="" type="checkbox"/> Compliance	<input checked="" type="checkbox"/> Note and File	<input checked="" type="checkbox"/> See or Phone Me
<input checked="" type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Note and Return	<input checked="" type="checkbox"/> Verbal Report
<input checked="" type="checkbox"/> Comment	<input checked="" type="checkbox"/> Prep. of Reply	
<input checked="" type="checkbox"/> Distribution	<input checked="" type="checkbox"/> Reply Direct to Writer	

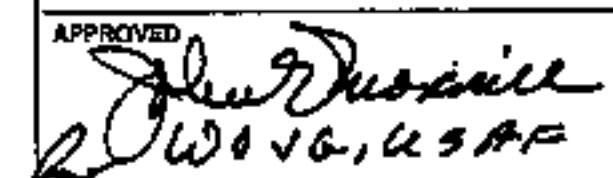
REMARKS

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

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WF-L-22 JAN 47 5 MI 800M

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HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. 5D-24-21P	DATE 27 May 1949												
TITLE  PROJECT "GRUDGE" Incident, 13 May 1949 Saint Louis, Missouri		REPORT MADE BY VELTON COMBS	JAG												
		REPORT MADE AT DO #5, W/P AFB, Dayton, Ohio													
		PERIOD 26, 27 May 1949													
		OFFICE OF ORIGIN DO #5, W/P AFB, Dayton, Ohio													
		STATUS PENDING													
CHARACTER SPECIAL INQUIRY															
REFERENCE None. This is an initial report.															
SYNOPSIS  <p style="text-align: center;">Investigation requested by A. J. HEMSTREET, Jr., Lt. Col., USAF, Acting Chief, Analysis Division, Intelligence Department, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, re the sighting of an unidentified aerial phenomena at St. Louis, Missouri, on 13 May 1949.</p>															
DISTRIBUTION CC, AHC 2 Hq, OSI 2 DO #12 (Incl) 2 File 2		ACTION COPY FORWARDED TO Commanding General Air Materiel Command Wright-Patterson AFB Dayton, Ohio ATTN: MCIAXS	FILE STAMP  <table border="1"> <tr> <td>SEARCHED</td> <td>INDEXED</td> <td>INITIALS</td> </tr> <tr> <td>SERIALIZED</td> <td>FILED</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">MAY 27 1949</td> </tr> <tr> <td colspan="3" style="text-align: center;">WRIGHT-PATTERSON AFB, OHIO</td> </tr> </table>	SEARCHED	INDEXED	INITIALS	SERIALIZED	FILED		MAY 27 1949			WRIGHT-PATTERSON AFB, OHIO		
SEARCHED	INDEXED	INITIALS													
SERIALIZED	FILED														
MAY 27 1949															
WRIGHT-PATTERSON AFB, OHIO															
		APPROVED  THOMAS F. DOYLE, JR. Captain, USAF Acting DISTRICT COMMANDER													

50-21-21P  
PROJECT "CORNBEE"

DETAILS:

1. This investigation is predicated upon a request from A. J. HEMSTREET, JR., Lt. Col., USAF, Acting Chief, Analysis Division, Intelligence Department, Headquarters, Air Materiel Command, on 24 May 1949.

AT WRIGHT-PATTERSON AFB

2. Lt. Col. HEMSTREET forwarded this office a copy of a letter from Headquarters, 5th Army, addressed to Commanding General, Headquarters, Air Materiel Command, in which one [ ] St. Louis, Missouri, is reported to have observed an unidentifiable aerial object in the vicinity of St. Louis, Missouri, on 13 May 1949.

3. The referenced letter is as follows:

"HEADQUARTERS FIFTH ARMY  
Office of The Commanding General  
1660 East Hyde Park Boulevard  
Chicago 15, Illinois

ALGCF-1

17 May 1949

SUBJECT: Sighting of Mysterious Object

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

1. The following item, dated 13 May, was reported to this headquarters by the Regional Office of St. Louis, Missouri:

"Long after the wave of reports of flying saucers, a south St. Louisan said that he had sighted some other mysterious object in the sky last Saturday. [ ] St. Louis, said the object appeared to be about the size of a light

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UNCLASSIFIED

5D-24-217  
PROJECT "GRUDGE"

private airplane, but bore no resemblance to a plane and was much faster. 'It was flat, reddish brown in color and I saw a glint in the late sunlight at that height, although the sun had set where we were,' he said. 'The object seemed to have an oscillating motion and was somewhat triangular.'"

2. No further investigation is contemplated by this headquarters.

FOR THE COMMANDING GENERAL:

/s/ Robert P. Bell  
ROBERT P. BELL  
Colonel, GSC  
AC of S, G-2"

INCLOSURE

FOR DO #12, SCOTT AFE

"Guide to Investigation" (in quin)

PENDING

- 3 -

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UNCLASSIFIED

UNCLASSIFIED

FD-21-21P  
PROJECT "GRUDGE"

UNDEVELOPED LEADS

DISTRICT OFFICE NO. 12, SCOTT AFB

AT ST. LOUIS, MISSOURI

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Will interview Mr. C St. Louis,  
Missouri, regarding his observation of an unidentified aerial  
object on 15 May. Will complete the inclosed "Guide to  
Investigation" and return same to District Office No. 5.

- 4 -

~~SECRET~~  
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AMC Form No. 18-507  
(Rev 1 Nov 46)

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCAGX FIK		
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FOR: FOLLOWING ACTION(S) AS CHECKED

Approval	Investigation	Recommendations
Conference	Information	Signature
Compliance	Note and File	See or Phone Me
Coordination	Note and Return	Verbal Report
Comment	Prep. of Reply	
Distribution	Reply Direct to Writer	

REMARKS:

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE
MCIAKS		

WF-1-23 JAN 47 5 MIL 800M

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~~CONFIDENTIAL~~

HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. 5D 24-214	DATE 20 May 1949
TITLE  PROJECT "GRUDGE" Incident, Ludington, Michigan and Homer, Michigan		REPORT MADE BY EDWIN A. CRAVER	blk
CHARACTER SPECIAL INQUIRY		REPORT MADE AT DO #5, W/PAFB, Dayton, Ohio	PERIOD 13 May 1949
REFERENCE NONE. This is an initial report.		OFFICE OF ORIGIN DO #5, W/PAFB, Dayton, Ohio	STATUS PENDING
SYNOPSIS  <p>Investigation requested by Chief, Analysis Division, Intelligence Department, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio. Information received reflects The Grand Rapids Press Newspaper released information on 21 April 1949 indicating two youths, PAUL THOMAS and PAT O'CONNELL, Sophomores in Ludington High School, reported seeing flying disc pass over Ludington, Michigan Wednesday afternoon, traveling west, and disappearing over Lake Michigan. The Detroit Free Press Newspaper released information indicating WILLIAM SACKETT and WILLIAM GIBSON, employees of the Pet Milk Company, reported they sighted six flying discs over Homer, Michigan about 0915 hours Thursday.</p>			
DISTRIBUTION	ACTION COPY FORWARDED TO	FILE STAMP	
CG, SAC (Incls) 2	Commanding General		
Hq. OSI (Incls) 2	Air Materiel Command		
DO #25 (Incls) 2	Wright-Patterson AFB		
File 2	Dayton, Ohio		
	ATTN: MCLAXS		
	APPROVED <i>Thomas F. Doyle, Jr.</i> THOMAS F. DOYLE, JR. Captain, USAF Acting DISTRICT COMMANDER		

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AMC Form No. 10-507  
(Rev. 1 Nov 46)

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCAEX 111		
2			
3			
4			
5			

FOR: FOLLOWING ACTION(S) AS CHECKED

Approval	Investigation	Recommendations
Conference	Information	Signature
Compliance	Note and File	See (or, Phone Me)
Coordination	Note and Return	Verbal Report
Comments	Copy of Reply	
Distribution	Reply Direct to Writer	

REMARKS

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE
MCAEX 111		

WF-1-23 JAN 47, S. M. BORN

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5D 21-21K  
PROJECT GRUDGE

UNDEVELOPED LEAD

DISTRICT OFFICE NO. 13, OFFUTT AFB

AT DES MOINES, IOWA

Weather and research agencies will be contacted and witnesses interviewed relative to the sighting of aerial phenomena at Des Moines, Iowa on 7 April 1949. Inclosed guide will be used for reference.

3

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SD 24-217  
PROJECT RUDGE

DETAILS:

1. Investigation requested by Routing & Record Sheet from MURKIN, Headquarters Air Materiel Command, dated 20 May 1949, to obtain detailed information from witnesses, weather and research agencies concerning the sighting of unidentified aerial phenomena at Des Moines, Iowa on 7 April 1949.

AT WRIGHT-PATTERSON AFB

2. Files of this office contain a letter, dated 14 May 1949, from [ ] Des Moines, Iowa in which the writer states that he sighted an unusual and unidentified aircraft at 0615 hours, 7 April 1949.

OK  
26

INCLOSURES

FOR DC #13, OFFUTT AFB AND HEADQUARTERS OSI

1. Guide to Aerial Phenomena Investigation (in dup)
2. Copy, letter from [ ] (in dup)

P E N D I N G

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FD 21-211  
PROJECT "GRUDGE"

DETAILS:

1. This investigation is predicated upon receipt of a Routing & Record Sheet, dated 13 May 1949 from W. R. CLINGERMAN, Colonel, Chief, Analysis Division, Intelligence Department (MCIAXS), Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio who received information hereinafter set forth regarding the sighting of unidentified aerial phenomena, reported by news clippings, in the vicinity of Ludington, Michigan on 21 April 1949 and Homer, Michigan on 29 April 1949.

2. Information received indicates that the observers, PAUL TIMM and PAT O'CONNELL, saw flying disc which looked like a comet with a tail a "block long." It was traveling west and disappeared over Lake Michigan. The object was white and clearly visible as there were no clouds over Ludington Wednesday afternoon.

3. Information received indicates that the observers, WILLIAM SACKETT and WILLIAM GIBSON sighted six flying discs over Homer, Michigan about 0915 hours Thursday. They pursued the discs in an automobile for about five miles on M-60 before losing sight of the low flying objects. They said the discs appeared to be about ten (10) inches in diameter, moving in wide circles, following a course which closely paralleled the highway.

4. Request return of completed leads to reach this office not later than 10 June 1949.

ENCLOSURES:

CG, AMC, WRIGHT-PATTERSON AFB

1. Copy of Grand Rapids Press News Clipping, 4/21/49, "Flying Disc" (in dup)
2. Copy of Detroit Free Press News Clipping, 4/29/49 "Lose Sight of Saucers". (in dup)

HEADQUARTERS CSI

1. Copy of Grand Rapids Press News Clipping, 4/21/49, "Flying Disc" (in dup)
2. Copy of Detroit Free Press News Clipping, 4/29/49, "Lose Sight of Saucers." (in dup)

DISTRICT OFFICE #25, DETROIT, MICHIGAN

1. Copy of Grand Rapids Press News Clipping, 4/21/49, "Flying Disc" (in dup)
2. Copy of Detroit Free Press News Clipping, 4/29/49, "Lose Sight of Saucers." (in dup)
3. Guide to Investigation.

P E N D I N G

2

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COPY

SOURCE: Grand Rapids Press Newspaper  
21 April 1949

'Flying Disc'

Youths Say It Passed Over Ludington

---

Ludington—Two youths reported seeing a fast traveling "flying disc" pass over Ludington Wednesday afternoon.

PAUL TIERI, Sophomore in Ludington High School, and a companion, PAT O'CONNELL, said the disc looked like a comet with a tail a "block long". It was traveling west and disappeared over Lake Michigan.

They said it was white and clearly visible. There were no clouds over Ludington Wednesday afternoon.

COPY

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CONTROL NO.	SUBJECT: FORM	DECIMAL FILE NO.	FOLLOW UP ON
Q-1007	Projec "Grudge"	(Conf)	DATE
FROM: 5 DCSI		DATED 20 May 49	
TO: IAS		NO. INCL. 2	
RECORDING	DATE		
DESK IAT-1	RECORDED 23 May 49 HOUR 0800		
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
1 IAS	n/c	WJT	26 m
2			
3			
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL FORM NO. 10-1 (20 NOV. 47) SEE OTHER SIDE FOR REMARKS

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MEMO ROUTING SLIP		NEVE CONL	SEE FOR APPROVALS, DISAPPROVALS, REFERENCES, OR SIMILAR ACTIONS.	
1	NAME OR TITLE <b>MCAGXR-11</b>	INITIALS		CIRCULATE
	ORGANIZATION AND LOCATION	DATE		COORDINA- TION
2				FILE
3				INFORMATION
				NECESSARY ACTION
4				NOTE AND RETURN
				SEE ME <b>M</b>
				SIGNATURE
REMARKS				
FROM NAME OR TITLE <b>MCIA</b>		DATE		
ORGANIZATION AND LOCATION		TELEPHONE		

DA - ADD FORM 1 APR 48 896 EDITION OF 1 FEB 48 MAY BE USED

16-20202-1 ☆ 896

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COPY

SOURCE: Detroit Free Press Newspaper  
29 April 1949

Lose Sight of Saucers

AUTOISTS TELL OF CHASING  
FLYING DISCS IN STATE

Special to the  
Free Press

HOMER, Mich.--WILLIAM SACKETT and WILLIAM GIBSON, employees of the Pet Milk Co., reported they sighted six flying discs over Homer about 9:15 a.m. Thursday.

They said they pursued them in an automobile for about five miles on M-60 before they lost sight of the low flying objects.

The men said the discs appeared to be about 10 inches in diameter, moving in wide circles, following a course which closely paralleled the highway.

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Address Reply to  
Commanding Officer,  
and Refer To:

~~CONFIDENTIAL~~  
U. S. NAVAL AIR STATION  
Lambert Field  
St. Louis 21, Missouri

NA22/12/cjb  
48

20 May 1949

Serial: 1650

From: Commanding Officer.  
To: Commanding General,  
Air Defense Command,  
Fort Monmouth, New Rochelle, N. Y.

Subj: Unusual object in the air; reports of.

Encls: (A) through (E) Statements pertaining to observation of unusual object  
in the air.

1. In accordance with oral instructions from representatives of the 11th Air Force, Harrisburg, Pennsylvania, a dispatch was forwarded to that command concerning reports of an unusual object in the air in the vicinity of this station. It was understood that the 11th Air Force was coordinating investigation of such reports but the message to them was undeliverable, with a recommendation that it be forwarded to your command.

2. Enclosures (A), (B), (C), (D), and (E), are forwarded for your information and such action as you deem necessary.

/s/ R. J. Kaufman  
R. J. Kaufman,  
Captain, U. S. Navy,  
Commanding.

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01 333.5

1st Ind

26 May 1949

SUBJECT: Report of Unusual Object in Air.

HEADQUARTERS FIRST AIR FORCE, Fort Slocum, New York

TO: Commanding General, Continental Air Command, Mitchel Air Force Base  
New York. ATTN: Director of Intelligence

Forwarded pursuant to telephone instructions, 26 May 49, during conversation between Director of Intelligence, this Headquarters and Colonel Stalaker, your Headquarters.

FOR THE COMMANDING GENERAL:

5 Incls  
n/c

/s/ Wm. T. Coleman  
Wm. T. Coleman  
Lt. Col. AGD.  
Asst. Adj. General

01 333.5

2d Ind

2 June 1949

HQ CONTINENTAL AIR COMMAND, Mitchel Air Force Base, New York

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

5 Incls  
n/c

/s/ W. R. Purpus  
W. R. Purpus  
Major, USAF  
Asst Adj. Gen

Info cy to  
CS USAF  
Attn: Req. Div.,  
Director/Intell.

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OFFICE SYMBOL AND  
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APPROPRIATE BLOCK  
CG, CC OR DEPUTY

INSPECTOR GEN'L'S  
OFFICE

Basic ltr MA22/12/obj, dtd 20 May 1949, fr Lambert Field, St. Louis, Mo.,  
to CG, Air Defence Command, New Rochelle, N. Y., subj: Unusual object  
in the air; report of.

PUBLIC INF. OFFICE

MA22/12/obj (20 May 1949)

3d Ind

MCLAYS/INT/amo

JUN 1 1949

TO: SAC, Wright-Patterson Air Force Base, Dayton, Ohio

TO: CO, U. S. Naval Air Station, Lambert Field, St. Louis 21, Mo.

COMPTROLLER

1. Additional information is desired regarding sighting of un-  
identified aerial phenomena reported by basic letter.

2. As an aid in recording desired data, four copies of our Guide  
to Investigation are inclosed herewith.

PERSONNEL & ADM.

FOR THE COMMANDING GENERAL:

*W. J. Seashore*  
MALCOLM D. SEASHORE  
Lie Colonel, USAF  
Acting Chief, Intelligence Department

1 Incl: 6/1  
Guide to Investigation (4)  
W/D 5 Incls, a thru 5

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & INFO. MGR.  
PLNG.

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AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK	ORIG. FILE COPIES TO RECORDS SEC. AND	INITIALS	EXTRA COPY RETAINED	OFF. SYMBOL	INITIALS
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WFL-15 APR 49 2 MII

CENTRAL FILES COPY

AMC Form No. 8  
(Rev 1 Apr 48)  
(Formerly AMC 10-7)

13 JUN 1949

COPY

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HEADQUARTERS FOURTH ARMY  
Fort Saa Houston, Texas

000.9 AKADB

19 May 1949

SUBJECT: Unidentified Aerial Phenomena

TO: Commanding General  
Air Materiel Command  
Wright-Patterson Air Force Base  
Dayton, Ohio  
ATTN: M.C.I.

There is attached for your information a plan to determine the location of unusual phenomena in the vicinity of Killeen Base, Texas.

FOR THE COMMANDING GENERAL:

1 Incl  
As stated w/3 incls

/s/ L. S. Tracy  
L. S. TRACY  
Lt Col, Cav  
Actg AC of S, G-2

~~CONFIDENTIAL~~

UNCLASSIFIED

UNCLASSIFIED

INSERT  
OFFICE SYMBOL AND  
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APPROPRIATE BLOCK  
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~~CONFIDENTIAL~~

INSPECTOR GEN'L'S  
OFFICE

Sec Ltr, 19 May 49, fr Hq Fourth Army, Fort Sam Houston, Texas, to CG,  
AMC, subj: "Unidentified Aerial Phenomena"

1st Ind

MCJAXS/HNS/ans

PUBLIC INF. OFFICE

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

COMPTROLLER

TO: Hq USAF, Director of Intelligence, ATTN: Air Defense Branch,  
Major Boggs, AFON, Washington 25, D. C.

PERSONNEL & ADM.

1. The inclosed plan is forwarded for your information.

2. It is suggested that this plan be brought to the attention  
of the Scientific Advisory Board inasmuch as the phenomena observed  
in the Killeen Base area are similar to the fireballs occurring in the  
Albuquerque, New Mexico vicinity.

3. It is further suggested that Air Force bases near Camp Hood,  
Texas be made aware of this situation and be requested to offer any  
possible assistance in this investigation.

RESEARCH & DEV.

FOR THE COMMANDING GENERAL:

Incl  
n/c

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

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MGR.  
PLNG.

OTHER

~~CONFIDENTIAL~~

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AMC Form No. 8  
(Rev 1 Apr 48)  
(Formerly AMC 15-7)

*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK	ORIG. FILE COPIES TO RECORDS SEC. ADD	INITIALS	EXTRA COPY RETAINED	OFF. SYMBOL	INITIALS
	HQ. SR. <input checked="" type="checkbox"/> LAB. SR. <input type="checkbox"/>			MCJAXS	ans

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CENTRAL FILES COPY



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HEADQUARTERS DIVISION ARTILLERY  
2d ARMORED DIVISION  
Camp Hood, Texas

~~CONFIDENTIAL~~

4 May 1949

SUBJECT: Artillery Training Force

TO: All members, Artillery Training Force

1. You are familiar with the fact that there have been numerous reports within the past year of a phenomena appearing in several parts of the United States commonly called "flying discs" or "flying saucers". Sufficiently authentic reports of this condition have been received by the Department of the Army to justify a detailed study.

2. In the past several weeks, this condition has been reported as occurring, intermittently, over the southern portion of the Camp Hood Military Reservation. You have been designated as a part of a force to determine accurately the following information.

- a. Does this condition exist and, if so, to what extent?
- b. A description of the phenomena.
- c. Its location, altitude, and duration.
- d. If it is produced by any individual or machine on the ground, to apprehend such individuals.

3. This entire project has been classified as "Confidential" and, as such, you will not discuss any phase of the operation, or your work in connection with it, with anyone except as is required by your work. If asked what you are doing, you are a member of the Division Artillery Training Force on a classified mission and can give no further information.

F. G. BROWN  
Col FA  
Commanding

THIS MESSAGE IS UNCLASSIFIED  
DATE 10/15/2010 BY 60322 UCBAW/SJS

~~CONFIDENTIAL~~

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~~CONFIDENTIAL~~  
HEADQUARTERS DIVISION ARTILLERY  
2d MARCHING DIVISION  
Camp Hood, Texas

4 May 1949

Training memorandum

Number 5

ARTILLERY TRAINING FORCE

1. Installations and Units:

a. The units of the Division Artillery are to engage in a field exercise in conjunction with units of Killeen Base, and the Field Force.

b. The Artillery Training Force will consist of a plotting center, four (4) OPs and an Artillery Patrol. (Locations as shown on attached overlay.)

2. Command:

a. The Artillery Training Force is under command of Off. designated by this HQ's. (Responsible to 30 Div. Arty).

b. The Artillery Patrol is under command of Artillery Training Force Commander.

3. Personnel:

a. Officers to command the Artillery Training Force and the Artillery Patrol will be obtained by roster as maintained by this headquarters. Artillery Training Force Commander will report with his Force to 3-2 Division Artillery at 1500 hours of day he is to go into the field, and will post said relief force personally.

b. Personnel to compose the Force will be cleared by respective 3-2 sections. (Battalion)

1. Personnel to be furnished by each unit:

- (1) 508th AFA - 2 JCOs, 4 EM at OP #1  
2 Plotters at Plotting Center (EM)
- (2) 1st AFA - 4 JCOs, 3 EM split between OP #2 and OP #3  
1 (776) Radio Operator at Plotting Center
- (3) 2nd AFA - 2 JCOs, 4 EM at OP #4  
4 Plotters at Plotting Center (EM)  
1 JCO, 1 Driver, 1 Radio Operator, and 1 guard.
- (4) Hd. Btry  
2 EM recorders at Plotting Center  
Div Arty - 1 Driver, 1 Radio Operator, and 1 guard.  
1 EM medic--at Plotting Center

(5) Detailed instructions regarding desirable MOS numbers of personnel and duties are contained in paragraphs 7 and 8 of this memorandum.

d. Battalions will so rotate personnel to permit each relief to be at their respective installations one week. The seventh night will be a "break in" period for the succeeding relief.

e. Battalions will be responsible to provide latrine facilities, and to continually better sanitation and living conditions for the units in the field at their respective installations.

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f. Units will be responsible for installations and maintenance of areas and communication as follows:

- (1) 508th AFA - OP #1 and Plotting Center
- (2) 14th AFA - OP #2 and OP #3
- (3) 92nd AFA - OP #4
- (4) Hd Bury Div Arty - Patrol tent

g. Units will miss personnel in the field, or as otherwise convenient to the unit.

h. Before going on duty, all personnel will be informed of the "Confidential" nature of their mission. Letter written by CO, Division Artillery will be read to all involved personnel before said personnel go on their scheduled relief.

i. Personnel at present on duty will be considered as the 1st relief and will be augmented by their respective units Monday, 9 May 1949 at 1830 hours. Monday night will then constitute the 2d relief's "break in" period, and the first relief will be physically relieved at 0630 hours, 10 May 1949. The 2d relief will be augmented Sunday, 15 May 1830 by the 3rd relief, etc.

4. Responsible Areas:

a. Activity within Killeen Base, as reported by Plotting Center, will be reported by radio or phone to Killeen Base and acted upon by Killeen Base.

b. Activity South of the road encompassing RJ's 202, 207 and 106, as reported by the plotting center, will be reported by radio or wire to Field Force and acted upon by Field Force.

c. Activity on and North of the road encompassed by RJ's 202, 207 and 106, within the military reservation and excluding Highway 190, will be reported to Artillery Patrol and acted upon by Artillery Patrol.

5. Reports:

a. Reports are to be made out according to 2nd Armored Division "Guide to Investigation" form (restricted), and submitted to S-2, Division Artillery daily on preceding night's activity by Artillery Training Force Commander. Copies of this form may be received from S-2 section, Division Artillery.

6. Coordination:

a. The activities of Field Force, Killeen Base, and Artillery Training Force within this area makes coordination during hours of darkness mandatory. All personnel must be thoroughly familiar with actual locations, routes of approach, blackout conditions, and signs and countersigns effecting artillery installations before venturing into the area. Clearance and pertinent information may be received at S-2 Division Artillery.

b. The Field Force Commander and Killeen Base will be contacted daily at 1830 hours by Commander Artillery Training Force for coordination of patrol activities.

c. The Commanders Artillery Training Force, and Artillery Patrol will contact S-2 Division Artillery for instructions at 1500 hours daily.

7. Observation and Plotting Phases:

a. General:

(1) The Artillery Training Force Commander will be stationed at the plotting center.

- (2) There will be four (4) observation posts and one central plotting center.
- (3) The observation and plotting sections will operate during all the hours of darkness.
- (4) Observation posts will occupy designated commanding terrain, the position of which will be found by inspection of the 1/25,000 scale photomap.

b. Observation Posts:

- (1) Equipment for each installation:
- Plane table and tripod.
  - Alidade with attachment to be furnished by Div Arty.
  - One pair field glasses.
  - One battery Commander's Scope.
  - One flash light; blacked out except for a very small hole to emit a small ray of light.
  - A large scale of a 6400 circle, 9 inches in radius. This scale to be made on stiff paper and mounted on the plane table. (Figure 1)
  - 3 telephones and 3 head and chest sets.
  - One large tent, the sides of which can be rolled up.
  - Plotting pins.
  - Personal equipment of personnel.
  - Sidearms and ammunition.
- (2) Personnel:
- 1 NCO in charge and alternate; grade 4. (MOS-577)
  - 2 teams, each team consisting of an observer and a reader. (MOS-228, 645).
  - Personnel as listed above provide 2 reliefs.
  - Personnel will be especially alert during the hours 1830-2130.
  - There will be a communication check daily at 1830 hours.
- (3) General Location:
- |                               |                        |
|-------------------------------|------------------------|
| (a) Plotting center and OP #1 | -----913.390 - 858.700 |
| (b) OP #2                     | 913.985 - 855.330      |
| (c) OP #3                     | 911.900 - 854.400      |
| (d) OP #4                     | 914.700 - 851.510      |
- (4) Communications-See Figure 3
- (5) Procedure:
- Upon arrival at the OP, the plane table and all observer instruments will be orientated at each OP so that the "0" (zero) of all scales is toward the red light on top of West Tank at Camp Hood. A stake will be set up at each OP approximately 20 yards from the instruments and in line with West Tank for orientation in inclement weather. Open sided tents will be erected over the plane tables where terrain permits.
  - The telephones will be connected so that the observer has a head and chest set on circuit #1, observer circuit; the reader has a head and chest set on circuit #2, plotter circuit; the NCO has a hand set on circuit #3, administration circuit.
  - Each circuit will be checked every 15 minutes, from 1830 hours until 0530 hours, unless a target has been sighted during the time interval.

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(d) The NCO will report "ready to observe" to the Plotting Center not later than 1900 hours each evening. The NCO will operate the BC scope.

c. Plotting Stations:

(1) Equipment for the installation:

- (a) Large plotting table to be constructed by Division Artillery; complete with scales and equipment necessary for operation, (Figure 2) and 1/2 track with 506 and 508 radios.
- (b) Large tent capable of being blacked out.
- (c) Personal equipment of men.
- (d) Head and chest for each plotter and recorder. (3 extra)
- (e) Two hand telephones
- (f) 1 stop watch

(2) Personnel:

- (a) 1 Officer---Artillery Training Force Commander
- (b) Two teams each consisting of a "plotter" for each observation post being operated and a "recorder". (MOS-228, 645-plotter) (MOS-645, 076 recorder)
- (c) Personnel as listed above provide 2 reliefs.
- (d) Officer to be on alert all night.
- (e) Personnel will be especially alert during the hours 1830-2130.

(3) General Location: Plotting center - 913.390-858.700 Camp Hood Photoman, scale 1/25,000.

(4) Communications - See Figure 3.

(5) Procedure:

- (a) The Artillery Training Force Commander will check into the Killeen Base and Field Force radio and wire nets daily at 1830 hours.
- (b) The Artillery Training Force Commander will cause the communications of his Force's nets to be checked at 1830 hours.
- (c) The plotting table will be set up in the plotting room tent. Tracing paper will be oriented over the expected target area.
- (d) The OP's and West Tank will be plotted. Scales in miles will be superimposed over each OP and oriented with the "0-3200" (Zero thirty two hundred) line toward the plotted point of West Tank. Plotting strings will extend from each plotted OP to the plotter stationed on the opposite side of the table. (See Figure #8)

d. Processing a "call":

(1) Observation Posts:

(a) As soon as the observer sights a target, he will command "light" and repeat the command at intervals of 1 or 2 seconds until the target disappears, at which time he will command "dark". The observer who first sights the target will be the only one to speak on the observer circuit until his command of "dark" is heard. If at this time an observer at one of the other 3 OP's can still see the target, he will continue the command of "light" until the target disappears for him, and then he will command "dark".

(b) As soon as the command of "light" is heard, all observers will alert their readers and attempt to get on the target.

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(c) All observers seeing the target will immediately line up their alidade on the target and follow it until it disappears.

(d) Reader:

As soon as the target is sighted at his post and the observer has aimed his alidade at the target, the reader will, by aid of his flash light, announce the scale reading in mils to his corresponding plotter at the Plotting Center. He will continue readings at 1 or 2 second intervals even though there is no change. When the target is out of sight, for his observer, he will relay the command "dark" to his corresponding plotter.

(e) NCO:

As soon as the target is sighted, he will attempt to find it with the BC Scope and place the center of his cross-hairs on it. He will follow the target as accurately as possible, observing it for description purposes. At the command "dark" by his observer, he will stop traversing his instrument and send the mil readings to the Plotting Center over the administration telephone along with a brief description. Both horizontal and vertical angles will be included in this report.

(2) Plotting Station:

(a) The recorder on the observer circuit, will be the first man to hear the command "light". He will repeat the command once, the first time it is given, and then the command "dark" when it is given, he will not repeat the command continually since the purpose of his command is to alert the Plotting Center personnel and the plotters will be receiving readings to indicate that the light is in view at their corresponding OPs.

(b) As soon as an intersection of two or more plotting strings takes place, the recorder will trace the path of the intersection, or center of the triangle, on the plotting board.

(c) When the command "dark" is heard the recorder will wait to see if any other OP takes up the command of "light", and if not, he will draw a line connecting the plotted points, an arrow to indicate direction, and a target number. See Figure 2 for an example.

(d) The Commander Artillery Training Force will be equipped with a stop watch and will record the time from "light" to "dark". He will also receive descriptions and BC Scope readings from the OPs. He will be in charge of the recorder sheets and record all information thereon.

(e) There will be a separate overlay and set of recorder sheets for each 24 hour period.

(f) Recorder will also read the coordinates of the target to the Commander for transmittal to the Patrol Sections.

(g) There will be a plotter for each OP. A string attached at one end to the plotted coordinates of the OP will be moved by the plotter around a mil scale on the plotting board. The plotter will receive readings from the OP readers at intervals and the readings will be set off.

8. Patrol Phase:

a. The Artillery Patrol will be stationed conveniently close to the Plotting Center. If the patrol is dispatched, the Patrol Cndr. will lead the patrol of one of the 1/4 ton vehicles; the remaining vehicles to be led by the Asst. Patrol Commander. (NCO of 1st or 2d grade.)

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b. The Patrol Commander will remain at the Plotting Center to assist in its function when not actively on patrol.

c. Equipment:

- (1) 2 1/4 ton vehicles
- (2) 1 - 510 radio per vehicle with one pre-set channel (See Div Arty Commo.)
- (3) 1 calibre .45 pistol per Officer and NCO
- (4) TE weapon per driver, radio operator, and guard.
- (5) ammunition—Unit of fire per weapon
- (6) 1 flashlight per vehicle
- (7) 1 tent
- (8) 1 pair of field glasses per vehicle
- (9) personal equipment
- (10) 1 compass (M-2 or Lamsatic)

d. Personnel:

- (1) 1 Officer designated as Patrol Commander
- (2) 1 NCO of 1st or 2d grade designated as Asst. Patrol Commander
- (3) 2 radio operators
- (4) 2 guards
- (5) 2 drivers

e. Procedure:

(1) All personnel will be awake and alert from 1830 to 2130 hours daily. From 2130 until 0530 hours the following day, there will be at least 1 man on guard for the two 1/4 ton vehicles.

(2) Upon being alerted by the Artillery Training Force Commander, the Patrol Commander will dispatch vehicles and crews to points on or North of the road running generally NW and SE, and passing approximately 750 yards to the North of Crossville Mt. (Road encompassing RJs 202, 207 and 106). The Artillery Patrol will be prepared to establish road blocks as indicated by the Plotting Center. Detailed instructions will be received daily by the Patrol Officer from the Arty Training Force Commander.

(3) The Artillery Patrol will be prepared to move in blackout.

(4) The Artillery Patrol, when on patrol mission will place cartridge clips in weapons. Rounds will not be in the chambers. Members of the Patrol are functioning as Military Police in that they are armed and may have to apprehend individuals. Weapons are not to be used except in self defense. Personnel apprehended are to be handled in a courteous manner; in so far as the situation permits and are to be held until the AG of S (G-2) or his authorized representative, 2d Armored Division, can arrive at the scene.

(5) Patrol activity will not interfere with traffic on Highway 190, nor with traffic on Clear Creek County Road.

(6) Signs and countersigns for the day will be given all personnel by the Arty Trng Force Cmdr.

9. An Example Problem: ("Call")

a. Observer #1 sees a target. He sights his alidade on the target and commands "light, light, light" (at 1 or 2 second intervals)

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b. Reader #1 reads 5010, 5000, 4980----- (at 1 or 2 second intervals) to plotter #1.

c. Observers 2, 3, and 4 all try to find the target. Number 2 sees it and sights his alidade on it. His reader reads 0, 10, 20, 30, 40, 40, 40,----- (1 or 2 second intervals)

d. Plotter #1 sets off 5010, 5000, 4990, 4980----- successively on his scale by pulling his string tight from the plotted OP.

e. As soon as plotter #2 receives readings, he pulls his string tight and follows the readings received on his scale. This will give an intersection between #1 and #2.

f. Recorder says "light" as soon as the command is received, and when #1 and #2 intersect; he plots the intersection on the grid sheet.

g. Plotters #3 and #4 give approximate readings from the plotted OP to the intersection to try to orient observers #3 and #4.

h. When Observer #1 gives the command "dark", recorder repeats the command. If in this case OP #3 has not picked up the target and it is still visible to him, he will say "light" (1 or 2 second interval) and continue the commands previously given by OP #1 until the target disappears from him, and then he will command "dark".

i. Recorder will repeat the first "light" command in all series and all "dark" commands.

j. At the command "dark", each person on the BC Scope will send his reading to the Plotting Center together with a brief description of the target.

k. The Arty Trng Force Cadr will alert the Patrols as to the location of the target and action to be taken.

l. All recorded data will be turned in daily at 0630 hours.

BY ORDER OF COLONEL BROWN:

3 Incls  
#1 Plotting Center & OP Sketch  
#2 Commo. Sketch  
#3 Position Overlay

A. S. POWERS  
Capt FA  
Adjutant

Distribution  
"A"

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

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

IN REPLY REFER TO: 5D-24-27

19 May 1949

SUBJECT: WILLIAM A. RHODES  
PANORAMIC RESEARCH LABORATORY  
SPECIAL INQUIRY

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

1. Reference is made to Comment 1, R&R from your office, subject: "Investigation of Flying Discs," dated 2 May 1949, signed by Colonel W. R. CLINGERMAN.

2. Attached for your information are two copies of the report of Special Agent Thomas F. Doyle, Jr, 5th OSI District, Wright-Patterson AFB, dated 19 May 1949.

3. This is an initial report. The investigation is continuing in other OSI District offices. Subsequent reports will be forwarded for your review.

THOMAS F. DOYLE, JR  
Captain, USAF  
Acting District Commander

1 Incl  
Rpt of SA T. F. Doyle  
dtd 19 May 49 (in dup)

Copy to: OSI Hq

ONE FILE COPIES TO:	INITIALS
RECORDS SECTION	
TELETYPE UNIT	
MAIL ROOM	
✓	STW
MADE IN ACCORDANCE WITH ONE	
✓ PERIODIC	NON RECORD

NO

7-1-49

5-2

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MEMO ROUTING SLIP		NEVER USE FOR APPROVALS, DISAPPROVALS, REFERENCES, OR SIMILAR ACTIONS.	
1	NAME OR TITLE <i>McAGXRW</i>	INITIALS	CIRCULATE
	ORGANIZATION AND LOCATION	DATE	COORDINATION
2			FILE
			INFORMATION
3			NECESSARY ACTION
			NOTE AND RETURN
4			SEE ME
			SIGNATURE
REMARKS			
FROM NAME OR TITLE <i>McLAYS</i>		DATE	
ORGANIZATION AND LOCATION		TELEPHONE	

DA FORM 896 EDITION OF 1 FEB 48 MAY BE USED

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CONTROL NO. Q - 937	SUBJECT: L&F Special Inquiry CONF.	DECIMAL FILE NO. 2230	FOLLOW UP ON DATE
FROM: 5D-OSI IAIS		DATED 5/19/49	NO. INCL. 1
RECORDING DESK	AIT-1	DATE 5/19/49	1530 HOUR
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
1 IAIS	N/R	HWT	24 May
2			
3			
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL AND FORM NO. 10-2 (20 NOV. 47) SEE OTHER SIDE FOR REMARKS

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UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>	FILE NO. 5D-24-27	DATE 19 May 1949
	REPORT MADE BY THOMAS F. DOYLE, JR	
TITLE WILLIAM A. RHODES PANORAMIC RESEARCH LABORATORY	REPORT MADE AT DO #5, Wright-Patterson AFB	
	PERIOD 15, 16, 17 May 1949	
	OFFICE OF ORIGIN DO #5, Wright-Patterson AFB	
	STATUS PENDING	


CHARACTER  
SPECIAL INQUIRY

REFERENCE  
None, this is an initial report.

SYNOPSIS

Investigation requested by the Chief, Technical Intelligence Division, Wright-Patterson AFB, in connection with a "flying disc" report. Information on the status of SUBJECT'S business and the standing of SUBJECT in the community is desired.

PENDING

DISTRIBUTION CG, AMC (MCIAKS) (Action Cy) 2 OSI Hq 2 DO #17, Kirtland AFB 2 File 2	ACTION COPY FORWARDED TO CG, AMC ATTN: MCIAKS	FILE STAMP
	APPROVED  THOMAS F. DOYLE, JR Captain, USAF Acting District Commander.	

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5D-24-27

~~████████████████████~~  
PANORAMIC RESEARCH LABORATORY

DETAILS:

1. This investigation is predicated upon a Routing & Record Sheet, subject: "Investigation of Flying Discs," dated 2 May 1949, signed by W. R. CLINGERMAN, Colonel, USAF, Chief, Technical Intelligence Division, Intelligence Department, Wright-Patterson AFB.

exp  
bl  
Colonel CLINGERMAN indicates that he is in receipt of a Memorandum written by GEORGE FUGATE, JR, Special Agent, CIC-ADC-4AF, in which Mr. ██████████ ██████████, Phoenix, Arizona, hereinafter referred to as SUBJECT, was interviewed as an observer of a "flying disc." SUBJECT contended that he took a picture of this disc, and two positive prints of these photos were turned over to the CIC agent. Photographic experts cannot agree as to whether the photographs mentioned in SA FUGATE'S report could have been taken under the conditions described. The experts do agree that the technique used in development and printing of the pictures is extremely crude.

Colonel CLINGERMAN requests inquiry to investigate the standing of the PANORAMIC RESEARCH LABORATORY and of SUBJECT in the community. It is further desired to know the type and amount of business conducted by the organization and with whom; and the social and professional status of SUBJECT.

Colonel CLINGERMAN states that later correspondence from the SUBJECT implies that he is connected with a PANORAMIC RESEARCH LABORATORY and Observatory in Phoenix, Arizona and refers to himself variously as Chief of Staff and President of that organization. He also uses the title "Doctor." According to his letterhead, one of the specialties of PANORAMIC is Photography.

AT DAYTON, OHIO

2. On 16 May 1949 at the Headquarters 5th District OSI (IG), the writer interviewed Special Agent GEORGE FUGATE, JR, previously mentioned in this report, formerly a member of the Counter Intelligence Corps, Air Defense Command, 4th Air Force.

Mr. FUGATE said that the interview resulting in the Memorandum previously mentioned was a bit hazy in his mind. FUGATE said that he had been instructed to interview SUBJECT in the company of Special Agent BROWER of the FBI Office, Phoenix, Arizona.

Mr. FUGATE states that the thing he remembers most is the fact he saw a large quantity of expensive looking radio equipment in SUBJECT'S home. This did not seem to be in keeping with SUBJECT'S station in life.

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5D-24-27

PANORAMIC RESEARCH LABORATORY

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FUGATE further related that about four months ago, approximately February, a friend had shown him an article in the Question and Answer Section of a magazine. FUGATE advised that the magazine is titled "Amazing Stories." The article was based on a letter by a Mr. [REDACTED] of Phoenix, Arizona. The article stated that Mr. [REDACTED] had been interviewed by two Federal agents. That he [REDACTED] had turned over two pictures of "flying discs" to these agents, and that the pictures had never been returned. Mr. [REDACTED] desired information as to how he could sue the Federal Government for these pictures. Mr. FUGATE feels that this individual is the SUBJECT of this investigation, and that SUBJECT is a publicity seeker.

PENDING

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5D-24-27

PANORAMIC RESEARCH LABORATORY

UNDEVELOPED LEADS

DISTRICT OFFICE NO. 17, KIRTLAND AFB

AT PHOENIX, ARIZONA

1. Will check the below listed organizations to ascertain the standing of PANORAMIC RESEARCH LABORATORY and/or SUBJECT in the community.

- a. Chamber of Commerce.
- b. Better Business Bureau.
- c. Credit Bureau
- d. Local Law Enforcement agencies.
- e. FBI.
- f. Any other source deemed advisable.

2. Will obtain any available information on the type and amount of business conducted by PANORAMIC RESEARCH LABORATORY and with whom; and the social and professional status of SUBJECT.

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MCIAXS/HWS/mr

MAY 19 1949

Project "Grudge"

Committee on Guided Missiles  
Research & Development Board  
Washington 25, D. C.  
ATTENTION: Colonel R. H. Curtis

1. A copy of Technical Report No. P-12-2274-1A, subject "Unidentified Aerial Objects", Project "Sign" (now project "Grudge") is forwarded for your information.

2. Since this report was published this Command has received the results of a thorough study of Project "Grudge" files made by Dr. J. A. Hynak of Ohio State University Research Foundation. Dr. Hynak, an astronomer, was under contract to study the evidence accumulated relative to flying objects and to attempt to determine which incidents could be attributed to natural celestial or astronomical phenomena. Assuming the evidence of observers and investigators of 244 cases to be accurate, Dr. Hynak concluded that 32% of incidents could be explained astronomically, 35% could be explained as balloons, aircraft, rockets, birds, etc., and 33% either lacked necessary evidence or suitable explanations were not apparent. However, when due allowances were made for inaccuracies in observing and reporting, Dr. Hynak stated that 53% might be explained astronomically. All percentages are approximate.

3. Headquarters Air Weather Service made an independent analysis of the same material to determine which incidents may have been synoptic balloons. AWS provided explanations involving objects of all types where indicated, as Dr. Hynak did. It is interesting to note that AWS dissented directly with Dr. Hynak in less than 4% of the cases studied.

4. This correlation is remarkable when it is remembered that most reports are characterized by lack of pertinent detail, contradictory descriptions among witnesses to the same incident, and obvious fallacies of human perception.

*McLaughlin*  
*11*  
*2000*  
*Information*  
*BT*

AIR INSPECTOR

MCIAXS

PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOD.  
PLNS.

OTHER

~~SECRET~~

S-11750-R

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NO. BR. LAB. SE.					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HWS/mr	3	MCIAXS	mr

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PRINT OFFICE SYMBOL,  
INITIALS AND DATE  
OF COORDINATION IN  
APPROPRIATE BLOCK  
CG, CO OR DEPUTY

AMC Form No. 10-7  
(18 Nov 47)  
(Old AMC Form No. 10-504)

~~SECRET~~

UNCLASSIFIED

Ltr AMO dtd  
"Project Grudge"

to Com. on Guided Missiles, R/D Bd, Wash. 25, D.C.

AIR INSPECTOR

5. The RAND Corporation also made an independent review of the first 172 recorded incidents and stated "we have found nothing which would seriously controvert simple rational explanations of the various phenomena in terms of balloons, conventional aircraft, planets, meteors, bits of paper, optical illusions, practical jokes, psychopathological reporters, and the like". RAND has been asked to comment on each incident to explain how this conclusion was reached.

PUBLIC INF. OFFICE

6. Other analyses are being conducted but no usable results have been obtained to date.

COMPTROLLER

7. Since 5 December 1948 a series of recurring phenomena described as "green fireballs" have been reported in the general vicinity of Albuquerque, New Mexico. Dr. Lincoln LaFas, noted meteoritic expert, has been directly, though unofficially, associated with the investigation of these sightings and has himself observed the phenomena. Dr. LaFas is convinced the green fireballs are not ordinary meteors. This group of incidents has little or nothing in common with other incidents on file with Project "Grudge". It is understood that the Scientific Advisory Committee has been requested to look into this matter and advise whether an independent investigation should be conducted, perhaps in the field of atmospheric research.

PERSONNEL & ADM.

8. Additional available information will be forwarded upon request.

RESEARCH & DEV.

FOR THE COMMANDING GENERAL:

INTELLIGENCE

1 Incl  
Tech Rpt No.  
F-TR-2274-1A

*W. R. Clingen*  
H. M. MCCOY  
Colonel, USAF  
Chief, Intelligence Department

SUPPLY AND MAINT.

(Incl not available.)

PROC. & IND. MOB.  
PLNG.

OTHER

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MCIAKS



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CONTROL NO. Q - 564	SUBJECT: FORM A Project GRUDGE CONF... Q13.2	DECIMAL FILE NO.	FOLLOW UP ON
FROM: SA 24-21J	TO: LAIS	DATED 5/13/49	NO. INCL. 1
RECORDING	AIT-1	DATE 5/13/49	0900
DESK	RECORDED	HOUR	
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY/INITIALS	DATE
LAIS	N/R	SWT	16 May
DATE OF REPEY	OTHER DISPOSITION	TRANSMITTAL AEC FORM NO. 24-2 130 NOV. 35 SEE OTHER SIDE FOR REMARKS	

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5D 24-21J  
PROJECT GRUDGE

DETAILS:

1. Investigation predicated upon receipt of a Routing and Record Sheet dated 5 May 1949 from the Technical Intelligence Division of Headquarters, Air Materiel Command, with inclosed letter dated 27 April 1949 from Mr. ██████████ Akron 8, Ohio, Phone: Blackstone 2787, Room #2.

2. Mr. ██████████ states in his letter that at about 0125 hours on the morning of 5 February 1949, about seven to nine miles south of Parkersburg, West Virginia, on Route #21, he observed a comet-like ball or saucer of sparkling flame (sparks-red) proceeding from East to West across the lower horizon. It had the appearance of molten iron or steel in the stage of complete melt. Mr. WARNER and others, unidentified, are of the opinion that it was a meteor, although mechanical device could be considered.

AT WRIGHT-PATTERSON AIR FORCE BASE

3. A review of the name files of this office reveal no former record on ██████████

INCLOSURE:

FOR DISTRICT OFFICE NO. 5, WRIGHT-PATTERSON AFB, DAYTON, OHIO

Guide to Aerial Phenomena Investigation

PENDING

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SD 24-21J  
PROJECT GRUDGE

UNDEVELOPED LEADS

DISTRICT OFFICE NO. 5, W/P AFB

AT AKRON, OHIO

EXP  
66  
Will interview Mr. [REDACTED] Akron 8, Ohio,  
Phone: Blackstone 2787, Room #2, and obtain detailed signed statement refer-  
ence sighting using inclosed guide for reference. Obtain names of any other  
witnesses and further information as to exact location of sighting.

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MEMO ROUTING SLIP		NEVER USE FOR APPROVALS, DISAPPROVALS, CONFERENCE, OR SIMILAR ACTIONS	
1. NAME OR TITLE <i>MCALPIN</i>	INITIALS	<input type="checkbox"/>	CIRCULATE
ORGANIZATION AND LOCATION	DATE	<input type="checkbox"/>	COORDINATION
2		<input type="checkbox"/>	FILE
		<input type="checkbox"/>	INFORMATION
3		<input type="checkbox"/>	NECESSARY ACTION
		<input type="checkbox"/>	NOTE AND RETURN
4		<input type="checkbox"/>	SEE ME
		<input type="checkbox"/>	SIGNATURE
REMARKS			
FROM NAME OR TITLE <i>MCALPIN</i>			
ORGANIZATION AND LOCATION		DATE	TELEPHONE

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/JEM/fmn

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

IN REPLY REFER TO: 5D 24-21E

11 May 1949

SUBJECT: PROJECT GRUDGE, Incident, Salt Lake City, Utah  
SPECIAL INQUIRY

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

1. Reference is made to Routing and Record Sheet, your office, Subject: "Request for Investigation," dated 7 April 1949, and pending Report of Investigation of Special Agent JOHN E. MORPILL, DO #5, dated 12 April 1949.

2. Inclosed for your information and necessary action is report of investigation of Special Agent LEO W. CHRISTIANSON, DO #16, Ogden, Utah.

3. The files of the 5th OSI District are being closed in this case.

1 Incl  
R/I dtd 15 Apr 49 (dup)

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

Cy to: Hq OSI

SEARCHED	INDEXED	SERIALIZED
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PERMANENT	PER - CHECK ONE	NON RECORD

*JWT*

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UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>	FILE NO. <b>47-2</b>	DATE <b>15 April 1949</b>
	REPORT MADE BY <b>Special Agent LEO M. CHRISTIANSON</b>	
TITLE  <b>MISCELLANEOUS (PROJECT "SIGN")</b>	REPORT MADE AT <b>DO #16, Hill AFB, Hill Field, Utah</b>	
	PERIOD <b>5-6 April 1949</b>	
	OFFICE OF ORIGIN <b>DO #16, Hill AFB, Hill Field, Utah</b>	
STATUS <b>CLOSED</b>		

CHARACTER **Miscellaneous**

REFERENCE **Verbal request of District Commander, 16th OSI (IG) DIST, Hill AFB, Hill Fld, Utah**

SYNOPSIS

Investigation requested by Captain PELHAM R. BURNETT, District Commander, 16th District, OSI (IG), Hill Air Force Base, Hill Field, Utah. Captain BURNETT based his request on a telephone conversation with LEO J. HILTY, Agent in Charge, Salt Lake City Office, Federal Bureau of Investigation, Salt Lake City, Utah. HILTY reported that a phenomena variously reported as a ball of fire, vapor or smoke bursts, and explosions had been reported to his office by law enforcement agencies in Cache and Weber counties. Investigation substantiated these reports and revealed that the phenomena had been sighted at various places from Salt Lake City, Utah north to the Idaho State line.

DISTRIBUTION <b>CG, CGAMA 2 cys</b> <del>CG, AIC 2 cys</del> <b>CG, Kirtland AFB 2 cys</b> <b>Hq, OSI 2 cys</b> <b>DO #16 (file) 2 cys</b> <b>DO #5 2 cys</b> <b>DO #17 2 cys</b>	ACTION COPY FORWARDED TO <b>Commanding General, CGAMA</b> <b>Hill AFB, Hill Field, Utah</b> <b>THRU: Inspector General</b> <b>CGAMA</b> <b>Hill AFB, Hill</b> <b>Field, Utah</b>	FILE STAMP
	APPROVED  <b>PELHAM R. BURNETT</b> <b>Captain, USAF</b> District Commander.	



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## DETAILS:

1. This investigation is predicated upon request by Captain PELHAM R. BURNETT, District Commander, 16th District OSI (IG), Hill Air Force Base, Hill Field, Utah. Captain BURNETT's request was based on a telephone conversation between BURNETT and LEO J. NULTY, Agent in Charge, Salt Lake City Office, Federal Bureau of Investigation, Salt Lake City, Utah at 1130 hours MST, 5 April 1949. NULTY reported that he had received reports from the Sheriff's Office, Cache County, Logan, Utah and Sheriff's Office, Weber County, Ogden, Utah indicating that people in these counties had observed some sort of phenomena in the sky between 0930 hours MST and 1000 hours MST, 5 April 1949.

2. Special Agent ERNEST C. BLISS assisted in this investigation.

AT LOGAN, UTAH

3. On 5 April 1949, Lt. ██████████ Logan City Police Department, was interviewed and stated that he was standing on Main Street in Logan when his attention was directed to an object in the sky by ██████████ of the Cache Valley Electric Company, Logan, Utah. The object, as described by Lt. ██████████ had the appearance of a puff of smoke or vapor and was judged to be approximately 15,000 feet above sea level slightly west of south from Logan. ██████████ estimated the time of his observation at about 0950 hours MST.

4. On 5 April 1949, ██████████, owner of Fred's Flower Shop, Logan, Utah was interviewed and stated that he was on the #2 tee at the Logan Golf Course when he happened to observe a very brilliant, fiery object in the sky to the southwest. SEARS stated that the object reminded him of a tracer bullet and that it definitely moved much faster than any plane he had ever seen. The object, as further described by SEARS, made no sound in its descent, was funnel-shaped, and disappeared in a bright orange flash at what seemed to be 11,000 feet MSL. ██████████ stated that the object left a bluish-white smoke or vapor trail which lasted for approximately fifteen minutes. His observation was made about 0945 hours MST. After walking from the #2 tee of the Logan Golf Course to the club house, ██████████ stated, he heard the sound of an explosion in what he estimated to be the same direction from Logan that he had seen the object disappear. The latter occurred at approximately 0955 hours MST according to ██████████. The incidents were reported to the Logan City Police Department by SEARS at 1000 hours MST.

5. On 5 April 1949, at 1250 hours MST, ██████████, employee of Logan City Corporation Light Department reported to the Chief of Police, Logan, Utah that he, PETERSEN, had seen a very strange sight that morning. When interviewed ██████████ stated that he was working with a crew of men in the North West Section of Logan, clearing limbs back from power lines, when he looked up and saw a triangular shaped object very high in the sky to the south and slightly west from Logan. According to ██████████ the object was descending very rapidly with the base of the triangle down. He further described the object as changing colors very rapidly from blue to purple, orange, yellow, and finally a very bright green when it disappeared. PETERSEN stated that the object appeared to grow smaller as it descended and estimated the base to have been about three (3) feet and the length about six (6) feet when first observed. The angle of descent was estimated to be about forty-five (45)

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DETAILS: (Cont'd)

degrees from the southwest. [redacted] called his helper's attention to the phenomena and the helper, [redacted] put the time of the observation at exactly 0950 hours MST. [redacted] stated that he had just taken his watch out to see if it wasn't time for a break for coffee at the time. [redacted] substantiated [redacted] description of the phenomena. Both [redacted] and [redacted] stated that about two minutes after the object had disappeared they heard two explosions in the direction they had last observed the object. Both men stated that it was definitely two explosions and not one explosion with an accompanying echo. [redacted] and [redacted] stated that the object they had observed disappeared while still several thousand feet in the air above the surrounding terrain, leaving a bluish-white puff of smoke or vapor.

6. On 5 April 1949, [redacted] employee of Cache Valley Electric Company, Logan, Utah, was interviewed and described the object observed by him as being like a ball of fire moving very rapidly straight down out of the sky and leaving a short stream of smoke or vapor when it disappeared in the air. [redacted] estimated the time at about 1000 hours MST and stated that the object was southwest from Logan when he observed it.

7. On 5 April 1949, Sheriff [redacted] Cache County, Logan, Utah was interviewed and stated that he had not seen any phenomena but that he had received reports of it from Sheriff [redacted] Preston, Idaho and Utah State Highway Patrolman [redacted] of Mansua, Utah. Sheriff [redacted] and his deputies had gone out into the country south and west of Logan to try to locate any possible plane crash upon receipt of these reports. They found nothing in the areas searched. According to Sheriff [redacted] report to the Sheriff at Logan, a lady, later determined to be Mrs. [redacted] of Fairview, Idaho, called and reported an explosion and smoke to the south. Mrs. [redacted] told Sheriff [redacted] that two planes must have collided in mid-air. Sheriff [redacted] stated that the object had been reported to his office by [redacted] Cornish, Utah at about 1000 hours MST.

8. On 5 April 1949, [redacted] Logan, Utah was interviewed and stated that he was standing on the steps of the Field House, Utah State Agricultural College, Logan, Utah about 0950 hours MST when he observed an orange-colored object overhead travelling to the south west and leaving a smoke or vapor trail. [redacted] said that the object was approximately thirty (30) degrees above the horizon and traveling at a terrific speed when it disappeared. He could give no estimate of the size or shape of the object.

AT CORNISH, UTAH

9. On 5 April 1949, [redacted] farmer of Cornish, Utah was interviewed and stated that he was just returning from his barn to his home when he observed a bright silvery object coming almost straight down out of the skies to the south of his home. The object, according to [redacted] left a trail of smoke or vapor both above and below a very thin layer of clouds which were present at the

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DETAILS: (Cont'd)

time. He described the object further as being either a very bright reflection or light such as is made by a powerful arc light. [redacted] said that he had had a phobia about falling stars since childhood and for that reason was quite excited by what he had witnessed. [redacted] brother, substantiated the fact that [redacted] had run over to his, [redacted] house and told him what he had seen, pointing out the smoke or vapor left by the object. [redacted] reported the incident to the Sheriff's Office at Logan, Utah. The smoke and vapor, according to the two [redacted] brothers, was visible for about fifteen minutes. Neither of the brothers heard any sound of an explosion.

10. On 5 April 1949, Patrolman [redacted] Utah State Highway Patrol, Mantua, Utah was interviewed and stated that he happened to glance up into the sky and saw two trails of vapor or smoke approximately twelve feet long to the southwest of Mantua. [redacted] stated that the smoke or vapor trails were parallel, one above the other, bluish-white in color and approximately 11,000 or 12,000 feet MSL. About one minute after looking up and seeing this phenomena, [redacted] said, "I heard and felt a rather strong explosion." [redacted] indicated that he thought at the time that the explosion was from blasting in the area but later ascertained that there had been no blasting in that region at the time. [redacted] estimated the time of his observation of the smoke trails at 1000 hours MST.

11. On 5 April 1949, [redacted] Mantua, Utah was interviewed and stated that he was about five miles west of Corinne, Utah when he heard an explosion which attracted his attention to a puff of smoke or vapor in the air and an unestimated distance to the south from where he stood. JOHNSON indicated that the explosion was felt slightly and that the smoke or vapor apparently generated by it stayed in the air for "quite a while." A small firecracker, according to [redacted] could have left the amount of smoke he observed. He placed the time of his observation at 1000 hours MST and thought the altitude of the smoke to be around 17,000 feet MSL. [redacted] did not see any object other than the smoke or vapor.

AT CORINNE, UTAH (EPD BRIGHAM CITY, UTAH)

12. On 6 April 1949, [redacted] Corinne, Utah was interviewed and stated that about 1000 hours MST he was working on a tractor in the backyard of his home when he heard and felt a terrific explosion in the air overhead. The force of the explosion rattled the windows in his home, causing his wife to run out into the yard in alarm. [redacted] stated that he looked up and saw a burst of smoke hanging stationary in the air at about fifteen or twenty thousand feet MSL only slightly south of where he stood. ([redacted] home is five (5) miles west of Corinne, Utah)

AT BRIGHAM CITY, UTAH

13. On 6 April 1949, [redacted] employee of International Harvester Company, Brigham City, Utah was interviewed and stated that he had heard an explosion and saw two (2) puffs of smoke south of Corinne, Utah at approximately 1000 hours MST.

~~UNCLASSIFIED CONFIDENTIAL~~

## DETAILS: (Cont'd)

██████████ was definite that he had heard only one explosion. No objects were observed in the air after the explosion.

14. On 6 April 1949, ██████████ Modern Cleaners, Brigham City, Utah was interviewed and stated that he was near Portage, Utah headed west when he observed a large ball of fire in the sky in a southwesterly direction from Portage. He said there was a large red glow for about half a second followed by a trail of smoke or vapor, then fire again and finally a trail of smoke. The object, according to ██████████, was descending very rapidly at approximately a 45 degree angle towards the west and resembled a tracer bullet with the exception that it was much larger. ██████████ placed the time of his observation at a few minutes before 1000 hours MST.

AT OGDEN, UTAH

15. On 6 April 1949, ██████████ Chief Deputy Sheriff, Weber County, Ogden, Utah was interviewed and stated that he began getting reports of an object and explosions at 1000 hours MST. The reports came in from Warren, Utah and the Second Street Arsenal in Ogden, and indicated the explosions to be over the Ogden River near the village of Taylor, Utah.

16. On 6 April 1949, ██████████ Guard, Second Street Quartermaster Depot, U.S. Army, Ogden, Utah was interviewed and stated he heard an explosion and looked up to observe a puff of smoke that was beginning to expand. A second or two later, according to ██████████ there was another explosion in approximately the same position as the first. In each case the smoke was bluish-white in puffs or bursts that expanded rapidly. The force of the explosions caused windows to rattle in the vicinity. ██████████ stated definitely that he thought what he had seen and heard was anti aircraft fire from perhaps a 90 MM or 105 MM gun. He placed the time of his observation as 0945 hours MST and the direction of the bursts as west and slightly north from his position at the Second Street entrance to the Depot. No debris was seen by ██████████ following either explosion.

AT WARREN, UTAH (RFD OGDEN, UTAH)

17. On 7 April 1949, ██████████ Route 2, Ogden, Utah was interviewed and stated that he heard two loud explosions at about 1000 hours MST and looked up to see two bursts of smoke quite high in the sky to the west of Warren. The bursts of smoke, according to EAST, were expanding rapidly and were followed by a dull rumbling noise. No debris was seen by ██████████

AT SALT LAKE CITY, UTAH

18. On 8 April 1949, ██████████ Assistant Airport Controller, CAA, Municipal Airport, Salt Lake City, Utah was interviewed and stated he was on duty in the Control Tower when he saw a very brilliant light at what he estimated to be many miles high in the sky. He described the light as having tremendous brilliance and travelling at a very high rate of speed at an angle toward the horizon of

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UNCLASSIFIED

16D 47-2

DETAILS: (Cont'd)

approximately sixty degrees. The bluish light first observed by [redacted] turned into a brilliant white ball of light before it disappeared in the air at 325 degrees from the control tower. [redacted] further described the object as seeming huge when first observed, gradually diminishing in size in its descent. He was unable to estimate the direction the object was traveling with such accuracy but thought it would be roughly northwest. [redacted] Chief Airport Traffic Controller, CAA, Municipal Airport, Salt Lake City, Utah substantiated [redacted] description of the phenomena.

19. On 8 April 1949, [redacted], Associate Professor of Mathematics, University of Utah, Salt Lake City, Utah was interviewed and stated that he was driving north from the south side of Salt Lake City when he observed a flashing object about thirty degrees above the horizon to the north. [redacted] estimated the object to be traveling at an angle of sixty degrees with the horizon and stated that the object was pouring off a short smoke or vapor trail. He placed the time of his observation as near 1000 hours MST and indicated quite definitely that he believed the phenomena he had witnessed to be a meteor. From reports he had received, [redacted] estimated that the object was at least twenty-five miles in the air at the time he first observed it. The phenomena lasted no more than three quarters of a second by [redacted] account.

AT HILL AIR FORCE BASE, UTAH

20. On 13 April 1949, Captain [redacted] Chief of Maintenance and Communications Service, Hill AFB, Hill Field, Utah was interviewed and stated that he was Airdrome Officer at Hill AF Base on 5 April 1949. Captain [redacted] stated that he received a request from the District Commander, 16th District OSI (IG), Hill AFB on 5 April 1949 for him [redacted] to determine if the Carrington Island Bombing Range (in Great Salt Lake) was in use. [redacted] said that he informed the District Commander, 16th District OSI (IG) that three (3) B-29 Bombers from Castle Air Force Base, Merced, California were using practice bombs on the Carrington Island Bombing Range from an altitude of 29,000 feet between 0900 hours MST and 1130 hours MST, 5 April 1949.

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47-2

INCLOSURES:

FOR CG, OAMA, HILL AFB

Photostatic copies of weather sequences, winds aloft charts, 7 milibar map for the area and time involved, and area map with lines drawn in to indicate direction of observation. (Broken lines indicate area in which explosion was felt)

FOR CG, AMC, WRIGHT-PATTERSON AFB

Photostatic copies of weather sequences, winds aloft charts, 7 milibar map for the area and time involved, and area map with lines drawn in to indicate direction of observation. (Broken lines indicate area in which explosion was felt)

FOR CG, KIRTLAND AFB

Photostatic copies of weather sequences, winds aloft charts, 7 milibar map for the area and time involved, and area map with lines drawn in to indicate direction of observation. (Broken lines indicate area in which explosion was felt)

FOR HQ OSI

Photostatic copies of weather sequences, winds aloft charts, 7 milibar map for the area and time involved, and area map with lines drawn in to indicate direction of observation. (Broken lines indicate area in which explosion was felt)

FOR DO #16

Photostatic copies of weather sequences, winds aloft charts, 7 milibar map for the area and time involved, and area map with lines drawn in to indicate direction of observation. (Broken lines indicate area in which explosion was felt)

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WEATHER FOR 0900 M to 1200 M 5th APRIL 1949

POCATELLO: 0900 M-E220-360 214/57/20→120/022  
 1030 M-E220-360 210/55/21→121/021  
 1130 M-E220-360 203/52/23→117/019  
 1230 M-E220-360 201/51/21→116/017

MALDEN CITY 0930 M-E200-350 251/54/33→115/029  
 1030 M-E200-350 252/53/31→117/029  
 1130 M-E180-340 242/51/32→112/027  
 1230 M-E180-330 230/50/30→110/024

COBURN 0930 M-E250-320 211/54/32→113/029  
 1030 M-E300-320 217/50/26→110/027  
 1130 M-E350-320 231/59/27→120/025  
 1230 M-E370-320 250/61/21→110/022

SALT LAKE 0930 M-E 200-320 211/54/33→111/020  
 1030 M-E220-330 207/51/33→115/027  
 1130 M-E200-320 201/51/28→112/024  
 1230 M-E 200-320 201/51/28→111/024

LUCIN 0930 M-E220-330 217/56/27→111/027  
 1030 M-E220-330 211/56/31→110/022  
 1130 M-E220-330 210/54/31→110/022  
 1230 M-E220-330 201/53/31→111/023

BURLEY 0930M E200-330 210/57/27→110/021  
 1030M E200-330 207/59/27→110/023  
 1130M E200-330 217/61/29→120/019  
 1230M E200-330 215/61/21→120/019

STREVELL 0930M E200-330 257/54/27→110/027  
 1030M E200-330 251/54/30→110/027  
 1130M E 200-330 251/54/27→110/027  
 1230M E200-330 254/59/31→110/026



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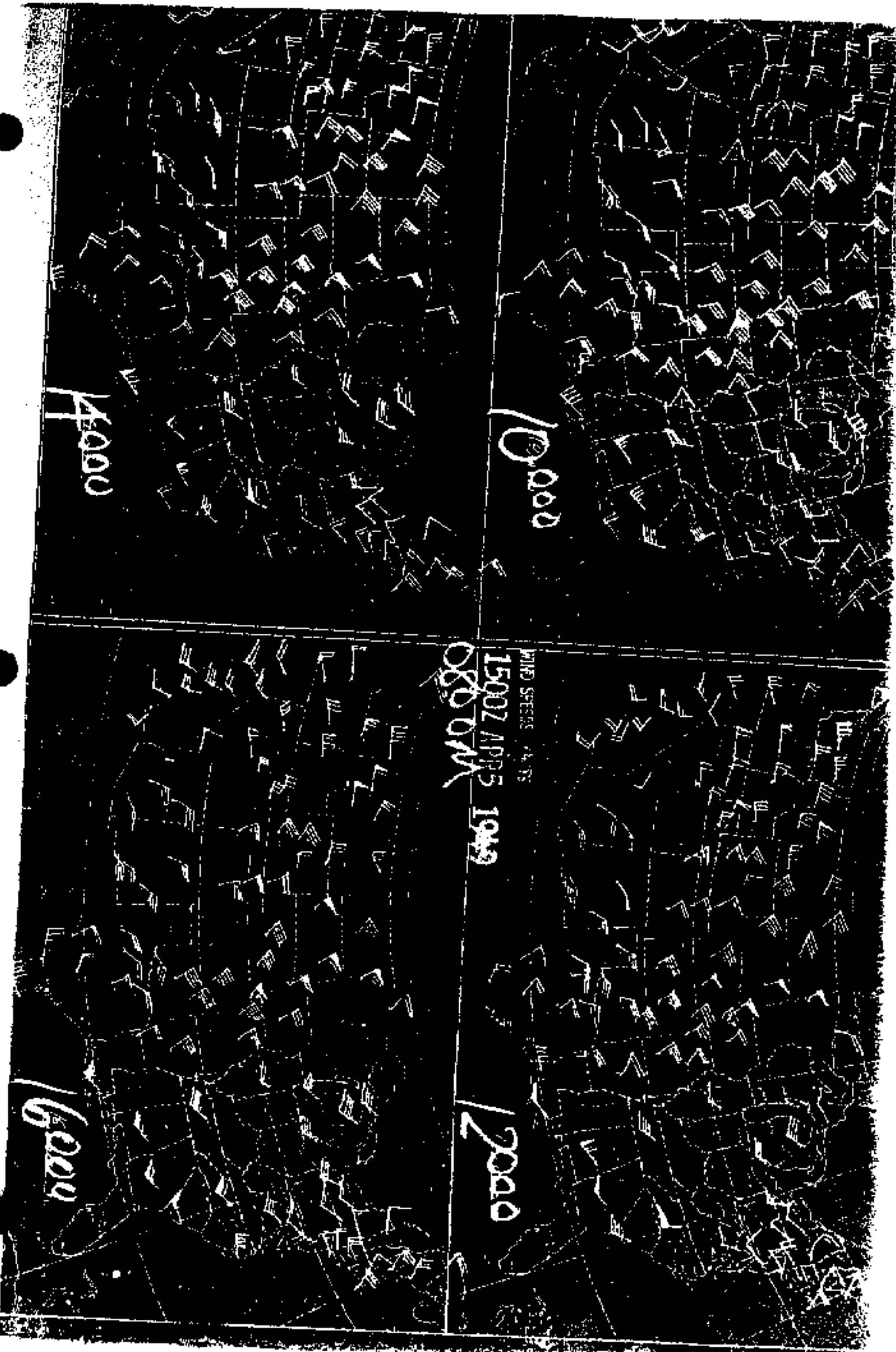
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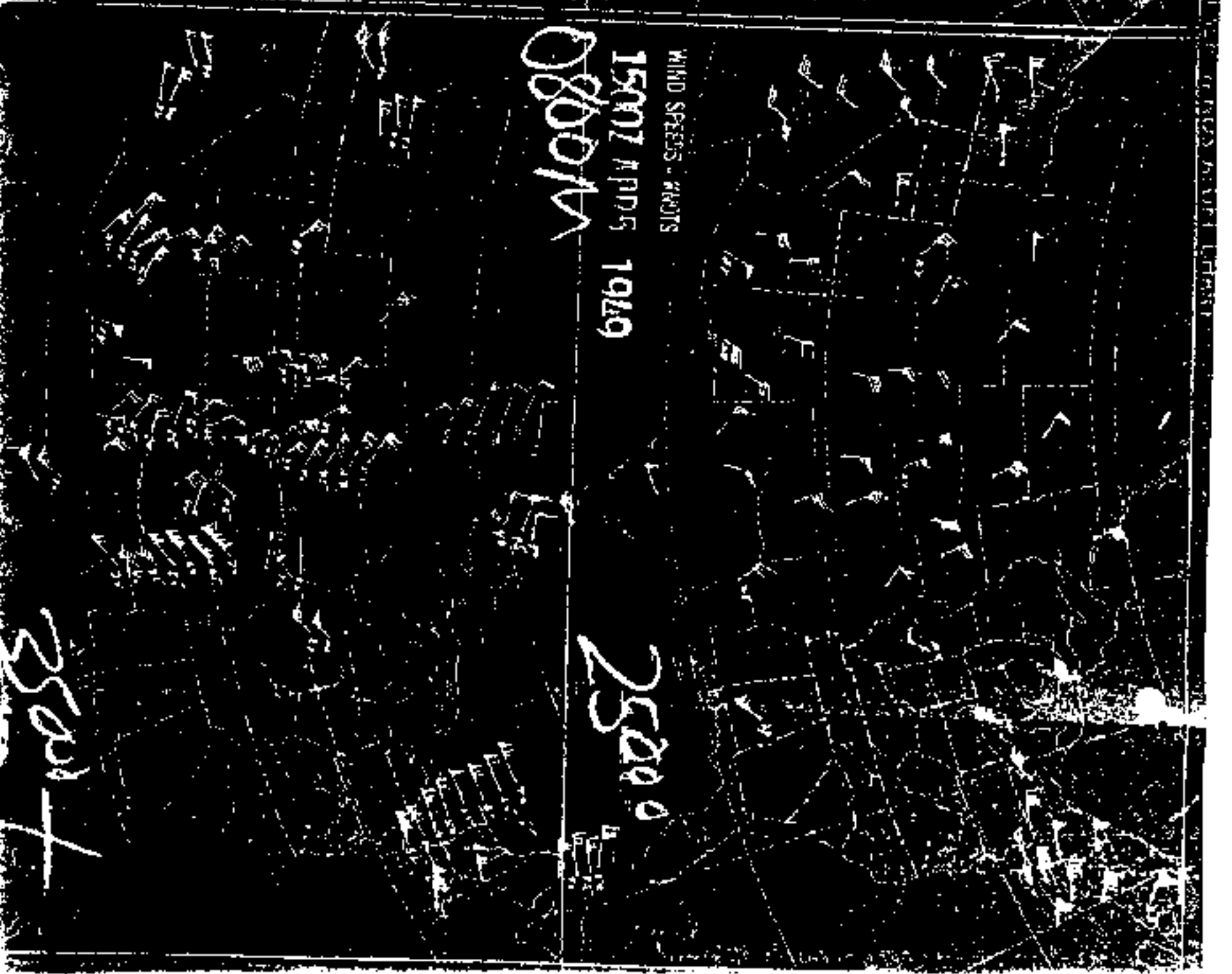
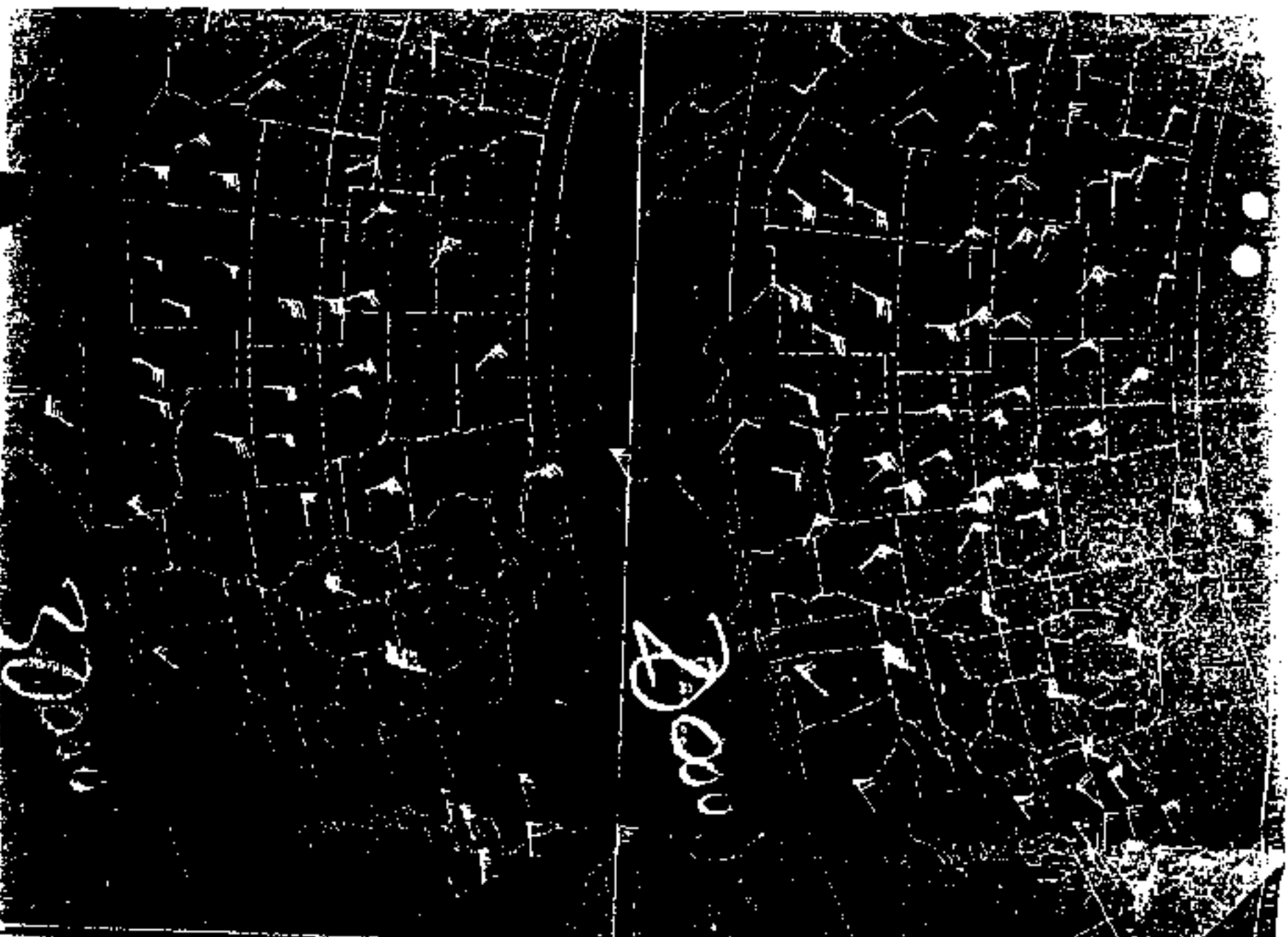


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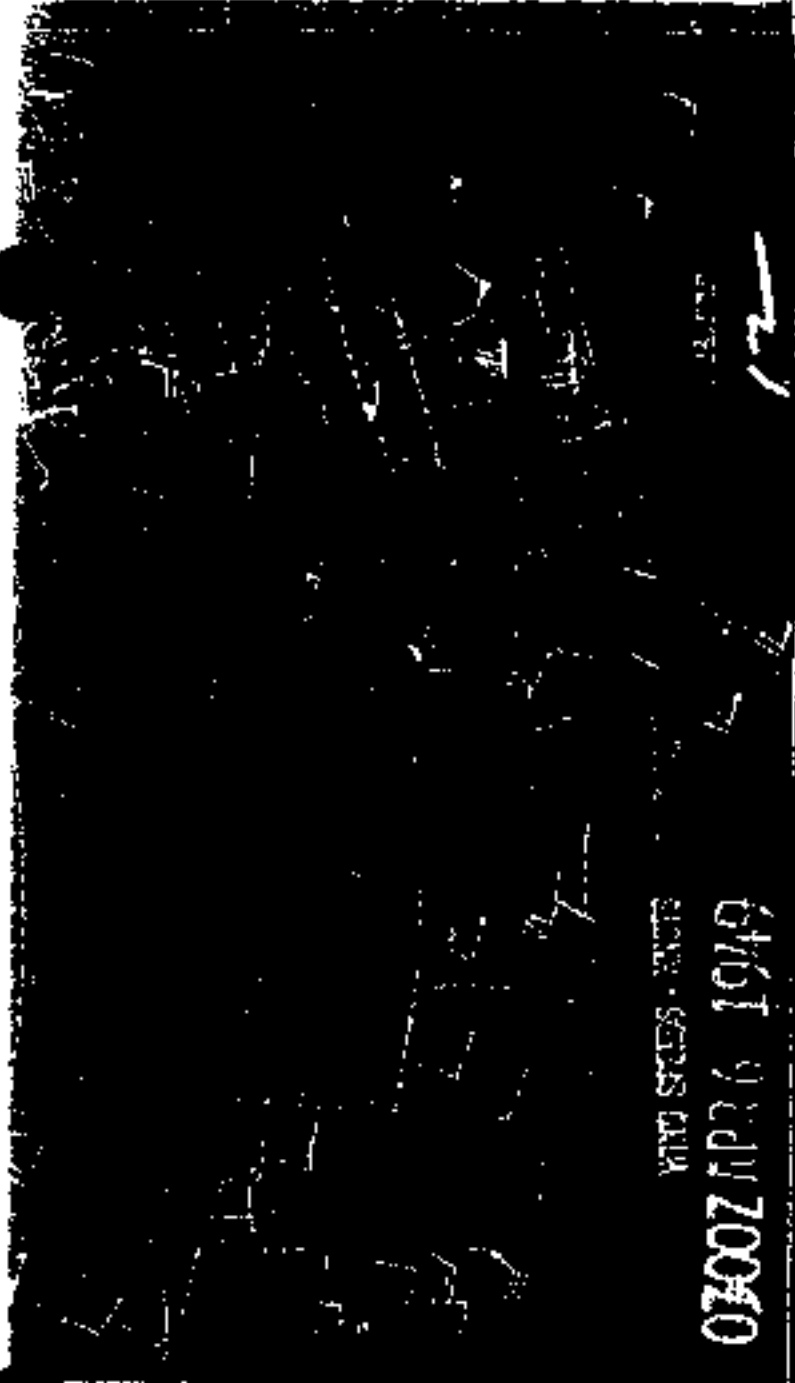
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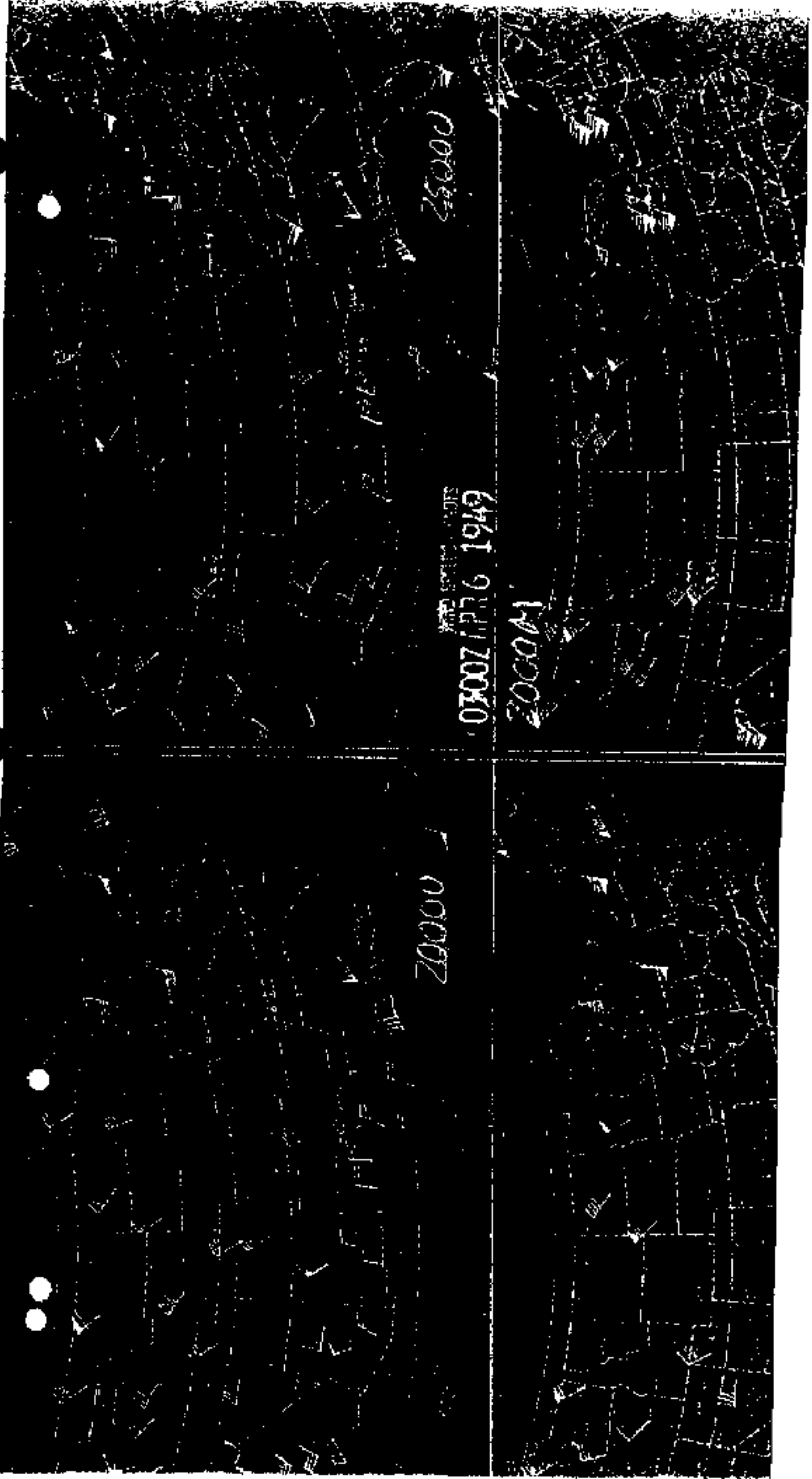
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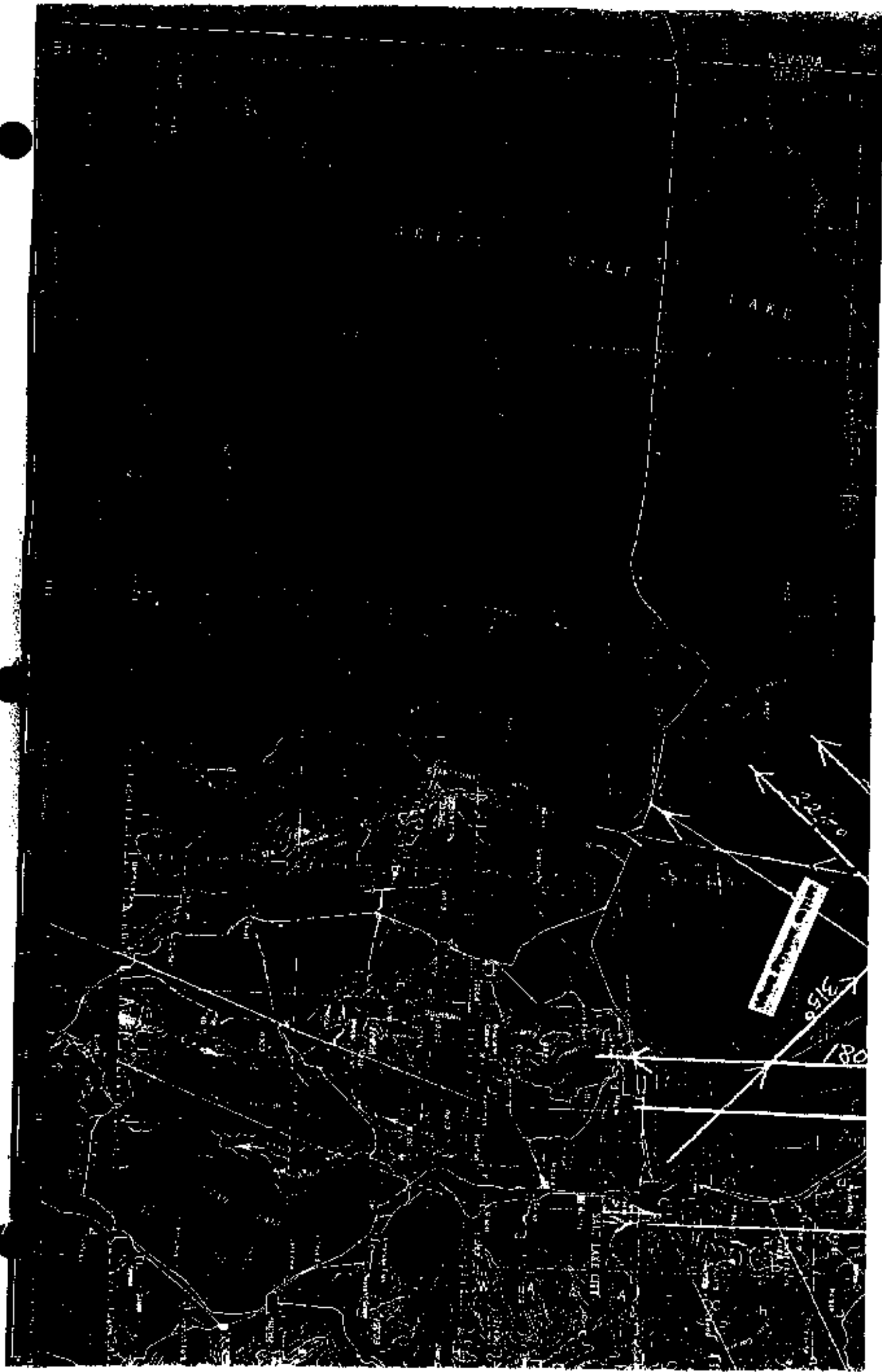
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SHEPHERD FIELD  
ARMOY, IRELAND

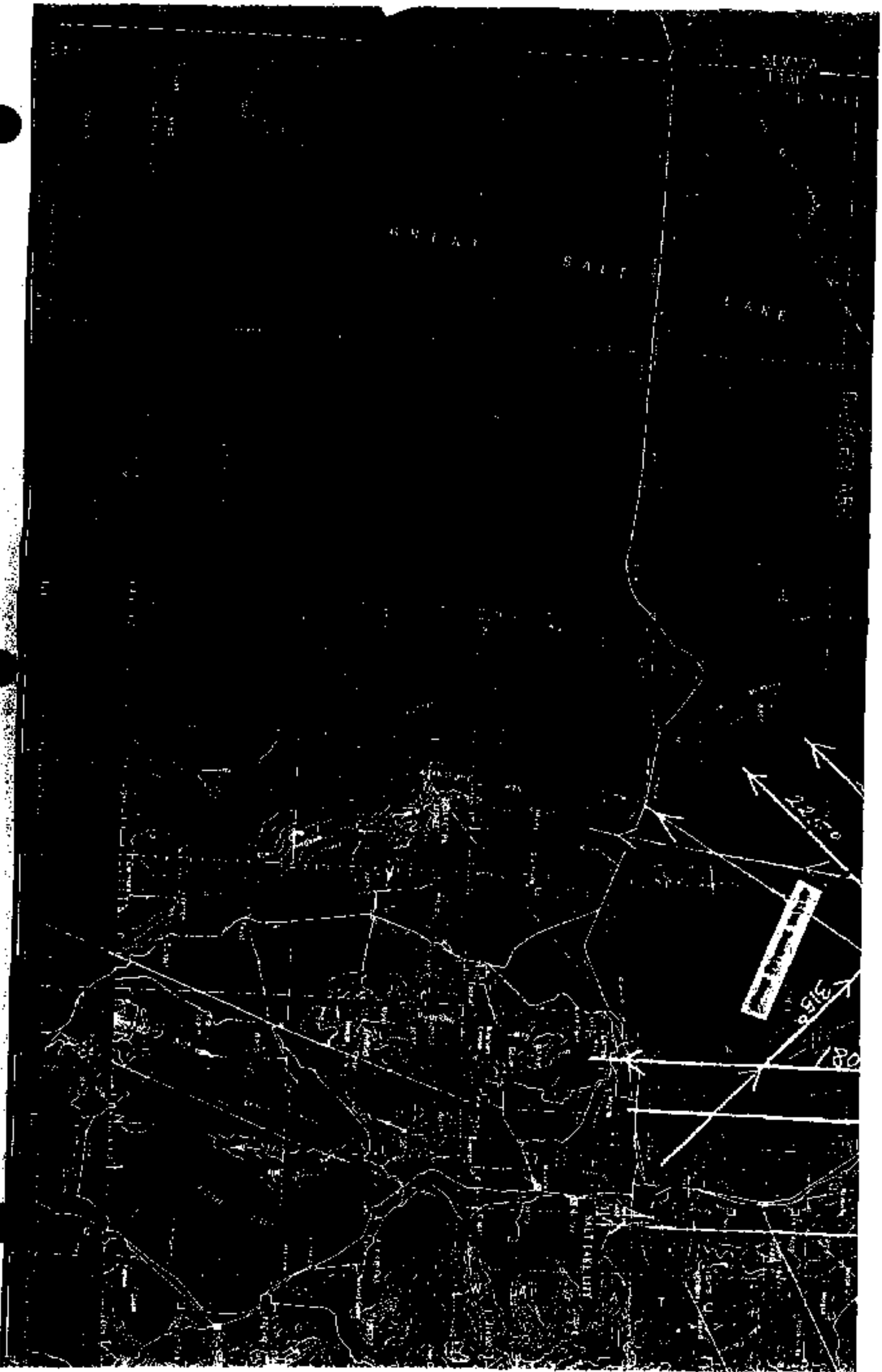
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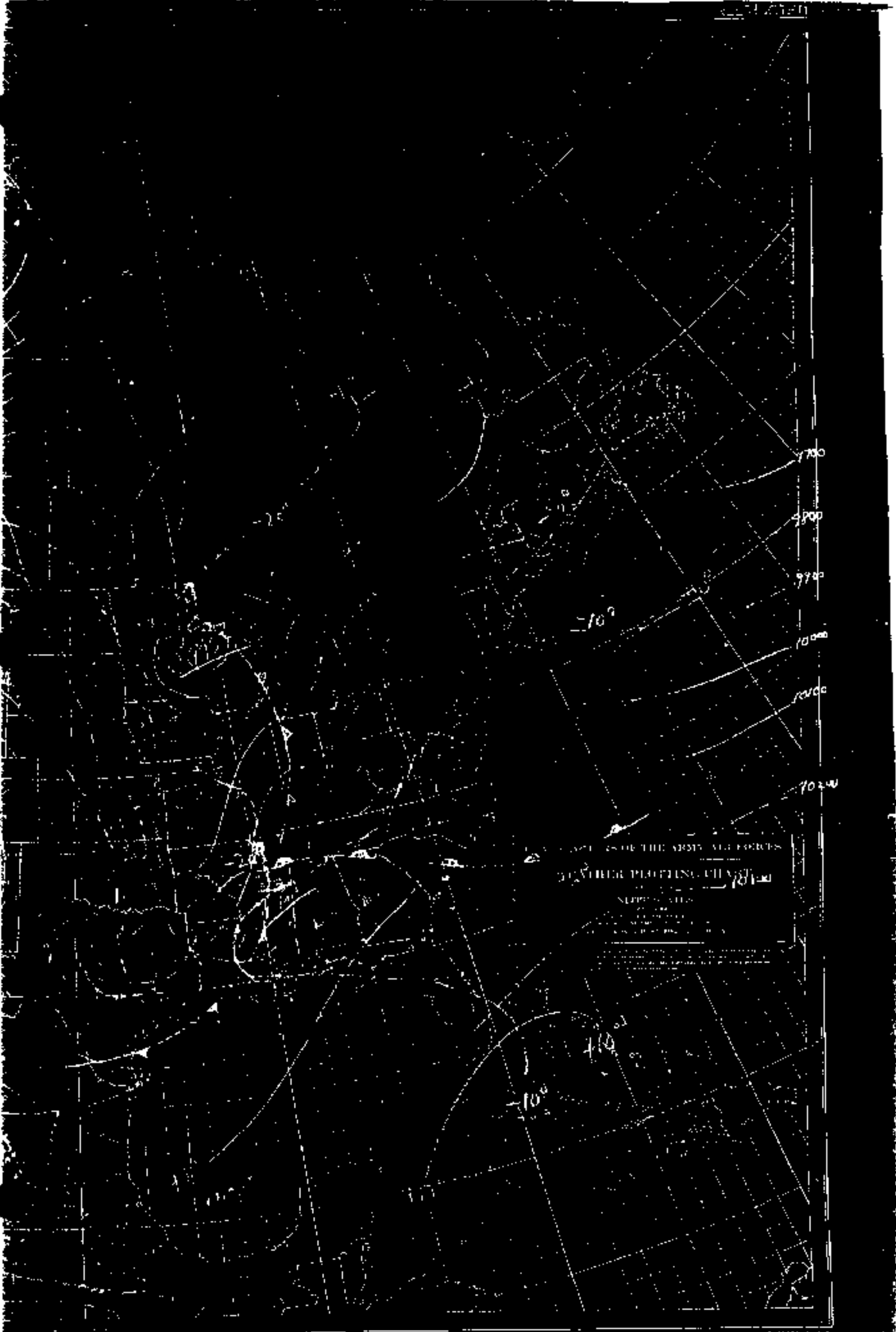
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UNITED STATES AIR FORCE

HEADQUARTERS

THE AIR UNIVERSITY

MAXWELL AIR FORCE BASE, Alabama

G/nd1/R

~~XXXXXXXXXXXXXXXXXXXX~~

452

15 APR 1949

SUBJECT: Report of Information on "Flying Disc"

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

The following TWX from Commandant Sixth Naval District Charleston, SC is quoted for your information and in compliance with Letter, subj: "Reporting of Information on Flying Discs", Hq USAF, 6 February 1948:

"Ref CNOBOE Ser zero four four two two peter three two of four Nov one nine four eight NOTAA press reports of eight April from Memphis, Tenn area indicate sighting of ovular luminous objects in western sky by several observers between zero zero three zero and zero two zero zero on seven April one nine four nine pd Objects were reported to be silvery about size of gallon jars whirling constantly and moving up and down at high altitude pd Local meteorologist states phenomena unexplainable discounting them as meteors or weather balloons pd Witnesses include Dorothy Hall and Mrs Mike Love Stewart two zero zero nine union and Helen Howell of two one two three union street Memphis...END"

FOR THE COMMANDING GENERAL:

0887

F. E. LANKSTON  
Major, USAF  
Adjutant General

Information copy to:  
Directorate of Intelligence  
Headquarters USAF  
Washington 25, D.C.

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INSPECTOR GEN'L'S  
OFFICE

Enc Ltr fr 17th Dist OSI, LFB, to 30 LFB, dtd 5 May 49, subj:  
"Unknown (Aerial Phenomena)"

  
PUBLIC INF. OFFICE

AS 1st Ind 37/ive

COMPTROLLER

HEADQUARTERS, Kirtland Air Force Base, New Mexico, 10 May 1949

To: Commanding General, AMC, Wright-Patterson AF Base, Dayton, Ohio  
ATTENTION: MCLAX-3

S

PERSONNEL & ADM.

Forwarded for your information in connection with the report of investigation forwarded from this Headquarters on 14 December 1948 by 1st Ind to letter same subject as above.

FOR THE COMMANDING OFFICER:

RESEARCH & DEV.

1 Incl  
n/c (2 cys w/d)

/s/ Oliver M. Roland  
OLIVER M. ROLAND  
Captain, USAF  
Adjutant

2nd Ind

MCLAIR/GWT/enc

MAY 20 1949

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

INTELLIGENCE

TO: The Inspector General USAF, 17th District Office of Special Investigations, Kirtland Air Force Base, New Mexico

1. Exhibit A, mentioned in Report of Investigation 24-5 dated 28 April 1949 forwarded by basic letter, was not received by this Command.

SUPPLY AND MAINT.

2. Your attention is invited to Air Intelligence Requirements Memorandum No. 4, dated 15 February 1949, which authorizes direct communication between Air Materiel Command and installations receiving information relative to so-called "Flying Disc".

FOR THE COMMANDING GENERAL:

PROC. & IND. MOB.  
PLNS.

Incl: w/d

*W. R. Clingman*  
H. M. MCCOY  
Colonel, USAF  
Chief, Intelligence Department

5-16

OTHER

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KAFB 3798

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MCLAXS

enc

AMC Form No. 3  
(Rev 1 Apr 48)  
(Formerly AMC 18-7)

WF-1-15 APR 49, 2 MI

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CONTROL NO. Q - 587	SUBJECT: 1st Indecimal File No. Unknown Aerial Fw CONF...	FOLLOW UP IN DATE	
FROM: XII TO: IAIS	Kirtland AFB	DATED 5/10/49 NO INCL.	
RECORDING DESK: AIT-1	DATE RECORDED	5/13/49 1100	
ROUTED TO IAIS	SUSPENSE DATE M/R	ESTABLISHED BY (INITIALS) J.W.T.	DATE 16 May
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL AFC FORM NO. 18-1 (30 NOV 47) SEE OTHER SIDE FOR REMARKS

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Basic ltr SRF 319.1, dated 2 May 1949, fr Hamilton Flight Service  
Center, to CG, Hq, AMC, subj: Report on Unidentified Flying Objects

AIR INSPECTOR

SRF 319.1 (2 May 1949)

1st Ind

MCIAIS/GWT/asm

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

MAY 16 1949

TO: CG, Hamilton AF Base, Hamilton Field, Calif.

PUBLIC AFF. OFFICE

1. Additional information as outlined in the inclosed Guide to  
Investigation is requested relative to sighting reported by basic  
letter.

COMPTROLLER

2. It is particularly desired that weather and atmospheric re-  
search agencies be contacted for possible release of balloons or  
aerial testing equipment prior to time of sighting.

PERSONNEL & ADM.

FOR THE COMMANDING GENERAL:

*W. J. ...*  
H. M. McGOY  
Colonel, USAF  
Chief, Intelligence Department

2 Incls:

1. Copy TRX to CG, AMC fr  
EFSC, dtd 2 May 49

2. Guide to Investiga-  
tion, n/a. (1-4pgs) N/A

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & MND. MOB.  
PLNG.

OTHER

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USHER CO 78TH FTR WG HAMILTON AFB HAMILTON CALIF

CG  
AIR MATERIEL COMDG  
WRIGHT-PATTERSON AFB OHIO

PRIORITY

CO FLT SV WASE 25 DC

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56

GOVT PREPAID HAM HF \_\_\_\_\_ HFSC 2 DASH E DASH 8 PD ATTN MIKE CHARLIE ITEM ABLE  
KRAY OBOE DASH THREE PD FOL MSG RECD FROM SALT LAKE AIR ROUTE TRAFFIC CONTROL AT  
1140 MST TWO MAY FOUR NINE OLN QUOTE MR [REDACTED] CMA A RADIO OPERATOR  
FROM THE CHARLIE ABLE ABLE RADIO STA AT ELKO CMA NEV CMA CALLED FROM HIS HOME TO  
ELKO RADIO AND ADVISED HE SAW WHAT APPEARED TO BE THREE FLYING DISCS IN THE  
VICINITY OF ELKO GOING NORTHWEST PD THEY REMAINED IN THE VICINITY THREE OR FOUR  
MINUTES PD MR [REDACTED] ENTERED HOUSE TO GET FIELD GLASSES CMA THRU GLASSES THEY  
APPEARED TO BE THIRTY FEET IN DIAMETER AT APPROX FOURTEEN THOUSAND FT PD THEY  
MADE LEFT TURN AND DEPARTED AHEAD OF UNITED AIR LINES PLANE DEPARTING ELKO PD  
SPEED ESTIMATED AT THREE TO FOUR HUNDRED MILES PER HR PD UNITED AIR LINES PILOT  
DID NOT SEE THEM PD UNQUOTE PAR ONLY MIL ACFT IN THE VICINITY AT THAT TIME WAS  
ONE BAKSR DASH TWO SIX PD WEATHER AT ELKO CLEAR CMA VISIBILITY THREE ZERO MILES  
OR GREATER PD

PD SGD PEDRAZZINI COMDG HFSC

I CERTIFY THAT IT IS ESSENTIAL THIS MSG BE TRANSMITTED BY ELECTRICAL MEANS  
AND THAT ORDINARY OR AIR MAIL WILL NOT SUFFICE IN ITS DELIVERY

CONFIDENTIAL

HAROLD O PEDRAZZINI  
LT COL USAF COMDG HFSC

2145Z  
2 MAY 49

R M KOLENSCHLAG  
CAPT USAF ADJ 1 1

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CONTROL NO. - 203	SUBJECT: <b>LEP</b> <b>Report on Unidentified Flying Objects</b> <b>CONF...</b>	DECIMAL FILE NO.	FOLLOW UP ON
FROM: <b>Hamilton Fld Cal</b>	DATE	DATED <b>5/2/49</b>	NO. INCL <b>1</b>
TO: <b>IAIS</b>	RECORDING <b>AIT-1</b>	DATE <b>5/5/49</b>	HOUR <b>1400</b>
DESK	SUSPENSE DATE	ESTABLISHED BY INITIALS	DATE
<b>IAIS</b>	<b>NIR</b>	<b>JWT</b>	<b>8 May</b>
DATE OF REPLY	OTHER DISPOSITION	TRANSMITTAL AND FORM NO. 10-1 (20 NOV 47) SEE OTHER SIDE FOR REMARKS	

UNCLASSIFIED

27 Apr 49

ASAC-47

SUBJECT: Request for Technical Investigation

2 May 1949

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

1. In accordance with a conversation between Mr. A. T. Hutton, Foreign Liaison Section, Technical Intelligence Division, your Command, and Major W. R. Cook of Guided Missiles Branch, this Directorate, on 25 April, the attached statement containing historical information relative to a French development in the guided missile field is forwarded for your information.
2. The referenced correspondence was brought to the attention of this Directorate, by Mr. Joseph E. Gilligan, 28 Pemberton Square, Boston, Massachusetts, who received it from his employee Joseph Stapello, as evidence of past activity in the rocket field. Mr. Joseph Stapello has recommended that a contact be made with Professor J. Gaillard, located at 12 Rue des Arts, Colombes (Seine), France, in order that we may have complete information on this subject.
3. It is requested that your Command establish a high priority project to contact Professor J. Gaillard thru the Air Force Technical Liaison Officer in the Paris Air Attache Office. Professor Gaillard has been notified that he will be contacted by an American representative in the near future.
4. It is further requested that a technical report of this contact, including details of any value, be forwarded to this Directorate as soon as possible.

BY ORDER OF THE CHIEF OF STAFF:

1 Incl  
Statement (in dup)

W. L. BUNT  
Brigadier General, USAF  
Director of Research and Development  
Office, Deputy Chief of Staff,  
Material

WAD-37467

1-37096

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TO: SAC, [redacted] (Ref: [redacted]), subj: Request for Technical Investigation

INSPECTOR GEN'L'S  
OFFICE

12-1200

1st Ind

12-1200 (vii)

  
PUBLIC INF. OFFICE

TO: [redacted], Wright-Patterson Air Force Base, Dayton, Ohio 45433-1100 1949

FROM: [redacted], Director of Research and Development,  
Office: Brig. General [redacted], Washington 25, D. C.

CONTROLLER

Request has been forwarded to Office of the Air Attache,  
Paris, France to interrogate Professor [redacted], all infor-  
mation obtained from this interrogation will be forwarded immediately.

PERSONNEL & ADM.

NO INFO FOR [redacted]

Incl  
[redacted]

*C. [redacted]*  
[redacted]  
[redacted], [redacted]  
[redacted], Intelligence Dept

RESEARCH & DEV.

INTELLIGENCE

*[Handwritten signature]*

SUPPLY AND MAINT.

PROC. & IND. MOB.  
PRG.

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12-1200

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UNITED STATES AIR FORCE  
THE INSPECTOR GENERAL  
OFFICE OF SPECIAL INVESTIGATIONS  
**REPORT OF INVESTIGATION**

FILE NO. 5D 24-216 DATE 29 April 1949

REPORT MADE BY JOHN E. MORRILL fmn

TITLE  
  
PROJECT GRUDGE  
Incident, Memphis, Tennessee  
7 April 1949

REPORT MADE AT DO #5, Wright-Patterson AFB, Dayton, Ohio  
PERIOD 28 and 29 April 1949  
OFFICE OF ORIGIN DO #5, Wright-Patterson AFB, Dayton, Ohio  
STATUS PENDING

CHARACTER  
SPECIAL INQUIRY

REFERENCE  
None, this is an initial report

SYNOPSIS  
  
Investigation requested by R&R from MCLAXS, Hq AMC, dated 26 April 1949, to obtain detailed information from witnesses, as well as weather and research agencies of sightings of unidentified aerial phenomena at Memphis, Tennessee on 7 April 1949.

*Handwritten notes:*  
Ag. Br. - Extra copy returned  
Synchab: MCLAXS  
Home: Reel 1-11  
Tel: - 6-6332

DISTRIBUTION  
CG, AMC (MCLAXS) 2  
Hq OSI 2  
DO #5 (Incl) 2  
File 2

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APPROVED

*Signature:* J. E. Morrill  
JEROME L. BRAUN  
Acting District Commander

# UNCLASSIFIED

5D 24-21G  
PROJECT BRIDGE

## DETAILS:

1. Investigation predicated upon an RAR from MCIAAS, HQ AIG, dated 26 April 1949, in which request was made to contact particularly weather and research agencies for possible releases of balloons or radar tracking targets, at Memphis, Tennessee, on 7 April 1949.

### AT WRIGHT-PATTERSON AIR FORCE BASE

2. The files of this office contain a copy of a teletype received by Technical Intelligence Division, HQ AIG, from 5th Naval District, Charleston, S. C., which is quoted:

"\* \* \* \* \* PRESSED REPORTS OF 8 APRIL FROM MEMPHIS, TENNESSEE, AREA INDICATE SIGHTINGS OF OVALAR LUMINOUS OBJECTS IN WESTERN SKY BY SEVERAL OBSERVERS BETWEEN 0050 AND 0200 on 7 APRIL 1949. OBJECTS WERE REPORTED TO BE SIMILAR ABOUT SIZE OF BALLOON BARS WHIRLING CONSTANTLY AND MOVING UP AND DOWN AT HIGH ALTITUDES. LOCAL METEOROLOGIST STATES PHENOMENA UNEXPLAINABLE DISCOUNTING THEM AS METEORS OR WEATHER BALLOONS. WITNESSES INCLUDE DORREY HALL AND MRS. M. L. STEWART, 2009 UNION AND HELEN HOWELL OF 2123 UNION STREET MEMPHIS."

Inclosure:

FOR CSE DISTRICT OFFICE NO. 3, MAXWELL AIR FORCE BASE, ALABAMA

Guide to Aerial Phenomena Investigation (in quad)

PENDING

SEARCHED  
SERIALIZED  
INDEXED  
FILED  
APR 10 1949  
FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE

UNCLASSIFIED

UNCLASSIFIED

CONTROL NO. 35	SUBJECT: <b>FORM</b> <b>Project Bridge</b> <b>CONF...</b>	DECIMAL FILE NO. Q-144	FOLLOW UP ON DATE
FROM: <b>5D OSI</b>	DATED <b>4/29/69</b>		NO. INCL. <b>1</b>
TO: <b>LALS</b>	RECORDING <b>AIF-1</b>	DATE <b>5/2/69</b>	HOUR <b>1330</b>
DESK	ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS) DATE
	<b>LALS</b>	<b>N/A</b>	<b>JWT 3 May</b>
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL AND FORM NO. 10-1 (20 NOV. 67) SEE OTHER SIDE FOR REMARKS

UNCLASSIFIED

UNCLASSIFIED

ABC FORM NO. 18-807  
71 REV. 1 NOV 48

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCAGXR-34		5/13/49
2			
3			
4			
5			

FOR: FOLLOWING ACTION (S) AS CHECKED

APPROVAL	INVESTIGATION	RECOMMENDATIONS
CONFERENCE	INFORMATION	SIGNATURE
COMPLIANCE	NOTE AND FILE	SEE OR PHONE ME
COORDINATION	NOTE AND RETURN	VERBAL REPORT
COMMENT	PREP. OF REPLY	
DISTRIBUTION	REPLY DIRECT TO WRITER	

REMARKS:

*Customs Files  
Duplicate Retained*

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE
MC1855	Tamela	66398

WT-1-18 NOV 47 (MIL. EDITION)

UNCLASSIFIED

~~CONFIDENTIAL~~  
UNCLASSIFIED

5D 24-21G  
PROJECT GRUDGE

UNDEVELOPED LEADS

FOR OSI DISTRICT OFFICE NO. 8, MAXWELL AIR FORCE BASE, ALABAMA

AT MEMPHIS, TENNESSEE

Will contact weather and research agencies, and interview all witnesses, obtaining statements as to aerial phenomena at Memphis, Tennessee on 7 April 1949, using the inclosed guide for reference.

THIS FILE COPY TO: [unclear]  
[unclear] [unclear]  
[unclear] [unclear]  
[unclear] [unclear]  
[unclear] [unclear]  
[unclear] [unclear]

~~CONFIDENTIAL~~  
3

UNCLASSIFIED



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

UNCLASSIFIED

THE INSPECTOR GENERAL USAF  
15TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
GREAT FALLS AIR FORCE BASE, GREAT FALLS, MONTANA

IN REPLY REFER TO: 100-0

28 April 1949

SUBJECT: Unknown Subject, "Flying Discs", Dillon, Montana, 3 April 1949

TO: Commanding General  
Air Materiel Command  
Wright-Patterson Air Force Base  
Dayton, Ohio.  
ATTENTION: MCIAAO-3

1. Reference is made to the Report of Special Agent Frank E. Seigal, of this office, dated 26 April 1949, based upon information received from a reliable government agency by this office on 7 April 1949.

2. Attached for your information are two copies of report of Special Agent Frank E. Seigal, of this office, dated 26 April 1949.

3. Particular attention is drawn to the fact that the direction of travel of the unconventional aircraft conforms with the radio beams in the Dillon range as indicated on the inclosed sectional map inclosed with the attached report.

4. This report of investigation is submitted in AF Form 112 inasmuch as AF Form 112 is not available at this office.

5. This investigation is closed by this office as all logical leads have been investigated.

GRIC FILE	INITIALS
AF FORM 112	
HQ BR 118 30 00	
COPY	
RECEIVED	

GROUP NO. 1	1 Incl.
END WORK ONE	Rpt of SA Frank E. Seigal
	(in dup)

JOHN P. BRYNILDSEN  
Captain, USAF  
District Commander

*John P. Brynildsen*

CENTRAL FILES  
By: [Signature]  
Retained  
Approved: MCIAOX  
Name: [Signature]  
Tel: 6-6332  
5-V

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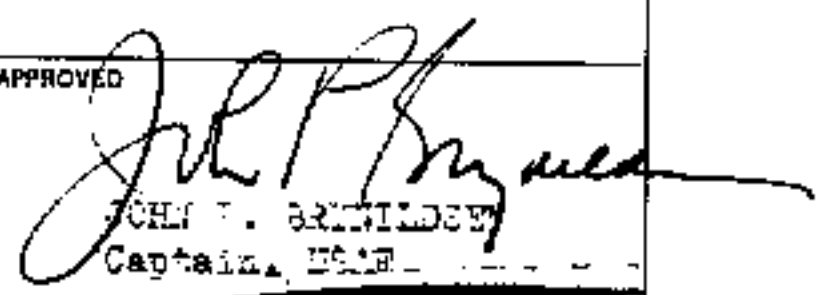
HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>	FILE NO. 100-0	DATE 26 April 1949
	REPORT MADE BY FRANK E. SIEGAL, SA	
TITLE  UNKNOWN SUBJECT "Flying Discs" Dillon, Montana 3 April 1949	REPORT MADE AT DO #15, Great Falls AFB, Montana	
	PERIOD 5 April-26 April 1949	
	OFFICE OF ORIGIN DO #15, Great Falls AFB, Montana	
	STATUS CLOSED	

CHARACTER  
UNCONVENTIONAL AIRCRAFT

REFERENCE  
None; this is an initial report.

SYNOPSIS  
On 3 April 1949, this office received a memorandum from a reliable government agency concerning the alleged sighting of so-called "Flying Discs". Interviews of persons reporting alleged sighting of these objects indicated that they were alleged to have seen a so-called "Flying Disc" in the vicinity of Dillon, Montana, at approximately 1150 hours, 3 April 1949, the object allegedly appearing at an altitude of approximately three to five thousand feet over the northern part of the City of Dillon, maneuvering about in several directions for several minutes and then rapidly disappearing over and beyond the mountains east of Dillon. The object was alleged to have been observed by four persons, whose accounts of its size, appearance and movements largely corroborated each other. The reliability of the observers was regarded by responsible citizens of the community to be beyond a question of doubt.

CLOSED

DISTRIBUTION Commanding General, Air Materiel Command, Wright-Patterson AFB Dayton, Ohio, Attn: A612XO-5 Director of Intelligence 2 HQ, USAF, Washington, DC, (2 Incls) HQ, OSI (2 Incls) File	ACTION COPY FORWARDED TO Commanding General, Air Materiel Command, Wright- Patterson AFB, Dayton, Ohio Attn: A612XO-5	FILE STAMP
	APPROVED  JOHN F. BRINDLEY Captain, USAF DISTRICT COMMANDER	

UNCLASSIFIED

## DETAILS:

1. On 6 April 1949, this office received a memorandum from a reliable government agency concerning information pertaining to the alleged sighting of an unconventional aircraft, so-called "Flying Discs". This office conducted interviews of persons that were alleged to have observed the object and inasmuch as AF Forms 112 are not available at this Air Force Base, the following report is submitted:

AT DILLON, MONTANA:

2. On 3 April 1949, Mr. [REDACTED], who owns and operates a construction company at Dillon, Montana, reported sighting an object commonly known as a "Flying Disc" at approximately 1150 hours, 3 April 1949. Mr. [REDACTED] at the time of the alleged appearance of the object, was standing in the yard of his construction company located approximately one mile southeast of Dillon, Montana, facing north and at approximately 1150 hours, 3 April 1949, saw what appeared to be a "Flying Disc" at an altitude of approximately three to five thousand feet over the northern part of the City of Dillon, Montana, and approximately four miles north of Mr. MILLER. The object appeared to be approximately twenty feet in diameter and four to five feet in depth through the center. The object at the time of sighting appeared to be rocking or rotating in a semi-circular motion. It appeared to be constructed of metal such as aluminum and was bright on the upper side and reflected sunlight. The lower side appeared to be either blue-gray or greenish-gray, which did not reflect light. The shape of the object was that of a plate or disc placed upon another inverted plate or disc. The edges of the disc were believed to be exceedingly thin with considerable thickness in the middle.

3. The object, after rocking from side to side for at least six completed arcs, proceeded in an easterly direction and descended rapidly from the height at which it was first observed down to an altitude of approximately 700 or 1000 feet at which it again started the rocking motion. After rocking a few times and reflecting light each time, the upper side came into view. It had then moved rapidly in a southwesterly direction to a position approximately 1000 feet in altitude and two miles west of Dillon, Montana, at which time it again started the rocking motion. After rocking a few times, it proceeded rapidly to a position above the airport of Dillon, Montana, at approximately a 1000 foot altitude and twelve miles northeast of Dillon, Montana. The object again rocked a few times and rapidly disappeared over and beyond the mountains east of Dillon, Montana.

4. The object did not show evidence of exhaust, smoke, odor or sound. The visibility at the time of the alleged appearance of the object was approximately forty miles. The sky was clear. The object did not appear to have any protruding fins, stabilizers, slots or duct openings. The object was alleged to have travelled at a speed faster than 1000 miles per hour or so fast, the observers said, the object seemed to blur.

5. Information relative to the observer is as follows:

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<u>NAME OF OBSERVER</u>	<u>ADDRESS</u>	<u>OCCUPATION</u>	<u>HOBBIES OF OBSERVER</u>
[REDACTED]	Grandview Heights, Dillon, Montana	Owner and operator of Miller Construc- tion Company, Dillon	Commercial pilot and aviation engineer in which he has been engaged for approximately five years.

The observer appeared to be of healthy appearance with the ability to determine color, speed and size. The bankers, police department and the Sheriff's office of Beaverhead County were interviewed concerning the reliability of the observer and they said that it was beyond reproach and beyond a question of doubt.

6. Information relative to witnesses:

<u>WITNESS</u>	<u>ADDRESS</u>	<u>OCCUPATION</u>
[REDACTED]	[REDACTED] Dillon, Montana	Oil station attendant and local distributor of gas and oils in Dillon, Montana.
[REDACTED]	[REDACTED] Dillon, Montana	Employee of Miller Construction Company
[REDACTED]	[REDACTED] Dillon, Montana	Owner and operator of trucking company in Dillon, Montana.

The above named witnesses whose reliability was considered beyond question, stated the same as Mr. MILLER except that there was a variation of fifteen to twenty-five feet in diameter.

7. Contact was made with the local facilities and organizations which follow celestial phenomena and revealed that no unusual phenomena existed. Teletype sequences of local weather conditions in Dillon and surrounding area were obtained and are attached hereto. A report of winds aloft in the area of Dillon and vicinity was also obtained and is attached hereto.

INCLOSURES

FOR COMMANDING GENERAL, AIR MATERIEL COMMAND, WRIGHT-PATTERSON AFB, OHIO:

1. Teletype sequence of local weather conditions in Dillon area
2. Report of winds aloft
3. Sectional map of Yellowstone Park (W-3)

FOR DIRECTOR OF INTELLIGENCE, HEADQUARTERS, USAF, WASHINGTON 25, D. C.

1. Teletype sequence of local weather conditions in Dillon area.
2. Report of winds aloft.
3. Sectional map of Yellowstone Park (W-3)

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~~CONFIDENTIAL~~

AW 10 031130MST

HIA 250030 217/46/25\*28/012/ 902 1419 30 24973

IDA 060 200/50/28\*4/009/ 002 0019 50 24593

DBS 050 190/49/21 15/008/ 308 0049 25 24953

DLN E200040 220/45/23\*7/014/ 000 0069 21 25003

AW 10 031230MST

HIA 250030 210/50/29\*13/011

IDA 060 200/51/24\*8/008

DBS 250050 186/53/20\*10/008

DLN E200040 220/49/22\*8/014

A CERTIFIED TRUE COPY:  
*Robert A. Stevenson*  
ROBERT A. STEVENSON  
MAJOR USAF

~~CONFIDENTIAL~~

UNCLASSIFIED

UNCLASSIFIED

~~CONFIDENTIAL~~

WINDS ALOFT OVER GREAT FALLS, MONTANA, 3 APRIL 1949

At 12000 feet over Montana on the above date, winds varied from Northwest to West Northwest, 20 to 25 knots and became stronger at 1700 hours.

At 0900 hours on the above date, winds aloft were as follows:

ALTITUDE	COMPASS BEARING	VELOCITY
5000 feet	240 degrees	24 knots
7000 feet	250 degrees	19 knots
10000 feet	240 degrees	16 knots
12000 feet	290 degrees	15 knots
14000 feet	310 degrees	17 knots

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MC Form No. 10-509  
(Rev. 1 Nov 65)

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCAGXR-14		
2			
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FOR: FOLLOWING ACTION(S) AS CHECKED

<input checked="" type="checkbox"/> Approval	<input checked="" type="checkbox"/> Investigation	<input checked="" type="checkbox"/> Recommendations
<input checked="" type="checkbox"/> Conference	<input checked="" type="checkbox"/> Information	<input checked="" type="checkbox"/> Signature
<input checked="" type="checkbox"/> Compliance	<input checked="" type="checkbox"/> Note and File	<input checked="" type="checkbox"/> See or Phone Me
<input checked="" type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Note and Return	<input checked="" type="checkbox"/> Verbal Report
<input checked="" type="checkbox"/> Comment	<input checked="" type="checkbox"/> Prep. of Reply	
<input checked="" type="checkbox"/> Distribution	<input checked="" type="checkbox"/> Reply Direct to Writer	

REMARKS:

*Copy to [unclear]*  
*Duplicate Retained*

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE
MCIBKS	Towles	6629f

37-1-22 JAN 47 8 AM 800M

UNCLASSIFIED

UNCLASSIFIED

CONTROL NO. 4 - 32	SUBJECT: Ltr Unknown Subject Fling Disc CONF...	DECIMAL FILE NO.	FOLLOW UP ON DATE
FROM: 15th Distr Off Special Investigator	TO: IAXS	DATE: 4/28/49	NO. INCL: 1
RECORDING DESK: AX-1	DATE RECORDED: 5/2/49	HOUR: 1300	
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
IAXS	N/C	JWT	2/2/49
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL AFC FORM NO. 62-2 (10 NOV. 47) SEE OTHER SIDE FOR REMARKS

UNCLASSIFIED





Case #84-22

LEADS:

1. Investigation conducted upon request of DC #3, Dwight Buchanan III, Dayton, Ohio.

IN WILLAMOOK, OREGON:

2. On 11 April 1968, Mr. [REDACTED] occupation as chief, was interviewed at his repair shop beside Hughes Grocery and Filling Station, Pleasant Valley, Oregon; and at his home at [REDACTED] Willamook, Oregon. [REDACTED] stated that at about 1100 hours, 13 January 1968, while driving south on Highway 101 below the old Naval Air Station, which is approximately four miles south of Willamook, Oregon, his attention was attracted to a shiny object glinting in the sun. The object seemed to be stationary, was a silver color, and seemed to have no distinct shape. The map coordinates show the place of observation as latitude 43° 19' 12" N, and the longitude as 122° 41' 12" W. [REDACTED] saw the object through the windshield (which was clean) of his car at about a 30° angle from the ground. It seemed to be about 1/2 to 3/4 of a mile from him to the southeast, and the altitude seemed to be about 500 feet. It was in view for about 30 or 35 minutes, during which time [REDACTED] drove to Pleasant Valley, about 1/2 mile away, and went into his shop to get his binoculars. By the time he returned outside the object had disappeared. It did not seem to have the entire time of observation, had no sound or odor (his automobile motor was running, and sound would not have been distinguished from the town), and its size seemed to be about 10 or 12 feet in diameter. [REDACTED] stated that the object was about the size of his own hand or arm's length from his eye; from where he saw it. It left no trail and did not shimmer. [REDACTED] observed the brilliance with the aid of the sun shining on a sheet of stainless steel and reflecting from it. The weather was pleasant, no ground haze, clear, very good light; [REDACTED] did not see any clouds in the sky. The only witnesses with [REDACTED] was his wife BOB, interviewed at their home at Rt. #3, Box 113, Willamook, Oregon, whose account did not differ from [REDACTED]. He stated that [REDACTED] does not wear glasses, and in his work as a welder he has a lot of talking with on the water. [REDACTED] was not in the armed services in the war, as he was deferred because of heart. However, he did go through a civilian service training program.

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3. On 11 April 1968, Mr. [REDACTED], father of Mrs. [REDACTED] was interviewed at the [REDACTED] home at [REDACTED] Willamook, Oregon where, with his wife, he lives in a small house at the end of the [REDACTED] road. [REDACTED] stated that at about 1100 hours on 13 January 1968 he was dumping his [REDACTED] trash on the line behind his home. While passing an article of clothing to the [REDACTED], his attention was attracted to a silvery disc the shape of a saucer and about the size of the full moon going directly over his head in a definite



~~CONFIDENTIAL~~

Case #14-50

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see some object in the sky. Having the additional fact that it was over, and the fact of the shape of the object [redacted] saw, it could easily have been the plane gliding to the run. The plane gliding away from [redacted] would not seem to move, and the sound of the [redacted] automobile motor would drown out any sound of the plane's motor. [redacted] is 50 years old, does not wear glasses, and does not appear to be the type of a man that would state he saw something for the sensation it would cause. [redacted] is about 35 years old or over, wears thick spectacles, and is a little deaf. It is believed that he might have prepared the story so as to relieve his daughter's and her husband's feelings when people in the area retold the story in the newspaper.

RETURNED UPON COMPLETION TO THE OFFICE OF ORIGIN

ENCLOSURE

Flight plan of Luscombe D-100 airplane, dated 23 January 1940, (actually 25 January 1940).

~~CONFIDENTIAL~~

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~~CONFIDENTIAL~~

FLIGHT PLAN

\*\*\*\*

TILLAMOOK OREGON

DATE 1-23-48

NAME AND ADDRESS K. C. Nicholson (Rt. 2 R. 31nk)

TELEPHONE NUMBER 527J1

PILOT LICENSE NUMBER \_\_\_\_\_

COLOR OF AIRPLANE Silver

HC NUMBER \_\_\_\_\_

TYPE OF AIRPLANE Loosona

POINT OF DEPARTURE Tillamook

ROUTE OF FLIGHT 120°

DESTINATION MacMinnville

CROSSING AIR SPEED 100

RADIO FREQUENCIES \_\_\_\_\_

TIME OF DEPARTURE 10:50

ESTIMATED TIME ENROUTE 2 hrs.

FUEL IN HOURS AND MINUTES 4 hrs

REMARKS \_\_\_\_\_

LET'S MAKE IT A PRACTICE TO FILE AND CLOSE A FLIGHT PLAN  
 COSTS YOU VERY LITTLE AND IS THE BEST ASSURANCE FOR YOUR PROTECTION AND  
 SAFETY.....

COASTWAY SCHOOL OF AERONAUTICS  
 \*\*\*\*\*

A CERTIFIED TRUE COPY:  
*Earl D. Jamison*  
 EARL D. JAMISON  
 2d Lt, USAF  
 Summary Court

~~CONFIDENTIAL~~

UNCLASSIFIED

UNCLASSIFIED

UNITED STATES AIR FORCE  
THE INSPECTOR GENERAL  
OFFICE OF SPECIAL INVESTIGATIONS  
**REPORT OF INVESTIGATION**

FILE NO. 5D 24-21E DATE 22 April 1949  
REPORT MADE BY JOHN E. MORRILL *fm*  
REPORT MADE AT DC #5, Wright-Patterson AFB, Dayton, C.  
PERIOD 22 April 1949  
OFFICE OF ORIGIN DC #5, Wright-Patterson AFB, Dayton, C.  
STATUS PENDING

TITLE  
  
PROJECT GRUDGE  
Incident, Morgantown, West Virginia  
April 1949

CHARACTER  
**SPECIAL INQUIRY**

REFERENCE  
None, this is an initial report

SYNOPSIS  
  
*Q*  
Investigation requested by Technical Intelligence Division, Hq AIC, Dayton, Ohio, to interview all witnesses to the unidentified Aerial Phenomena alleged to have been sighted near Morgantown, West Virginia, by a [redacted] Morgantown, West Virginia, in April 1949.

CENTRAL FILES  
[Handwritten notes and stamps]

DISTRIBUTION	ACTION COPY FORWARDED TO	FILE STAMP
CG, AIC (MCIAAS) Action	2 CG, AIC (MCIAAS)	
DC #3 (Incl)	2	
Hq OSI (Incl)	2	
file (Incl)	2	

APPROVED  
*J. M. Braun*  
JEROME M. BRAUN  
Acting District Commander

UNCLASSIFIED

SD 21-212  
PROJECT BRIDGE

DETAILS:

EX-12  
b6

1. Investigation was requested by the Technical Intelligence Division of the Air Materiel Command, Dayton, Ohio, in an R&R sheet dated 20 April 1949 to interview all witnesses to the unidentified Aerial Phenomena alleged to have been sighted near Morgantown, West Virginia, by a [REDACTED] Morgantown, West Virginia.

AT WRIGHT-PATTERSON AIR FORCE BASE

2. The files of this office reveal the following message received from the Chief of Staff, USAF, by the Technical Intelligence Division of HQ, AIC:

"The following is quoted from a letter addressed to USAF by [REDACTED] Morgantown, West Virginia, dated 11 April 1949, for information and such action as necessary: 'Please be advised that recently I have seen two of the so-called flying saucers. The last one a week ago was much slower and nearer than the first one. Both were going Southwest, very very fast. The general outline would resemble a flattened funnel. I have not spoken to anyone about the incidents because you have to see them to believe they exist. Reason for reporting I have not heard of any in this area and assume that these might be some of the first and in this case you could use the information.'" End USAF Item 3/Restricted.

Enclosure:

FOR HQ OSI AND FILE

1. Copy of message USAF Item 3/Restricted

FOR 1st OSI DISTRICT OFFICE

1. Guide to Investigation of Unidentified Aerial Phenomena (copy)
2. Copy of message USAF Item 3/Restricted (copy)

PENDING

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SD 24-21E  
PROJECT GRUDGE

UNDEVELOPED LEADS

FOR DISTRICT OFFICE NO. 3, HARRISBURG, PA

AT MORGANTOWN, WEST VIRGINIA

EXP  
60  
1. Will interview [REDACTED], Morgantown, West Virginia, regarding the alleged sightings and will report to this office using the completed guide to investigation as inclosures.

2. Will attempt to locate and interview other sources of information concerning the alleged sightings.

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~~RESTRICTED~~  
C O P Y

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE  
HQ USAF, WASHINGTON 25, D. C.

AFMPC-20

21 April 1949

SUBJECT: Century Chemical Products Company, 520 West Fort Street,  
Detroit 26, Michigan; Fraud Against the Government

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

1. Reference is made to report of investigation made by 5th OSI District, file No. 5D 10-11, dated 16 March 1949, title, "Century Chemical Products Company, 520 West Fort Street, Detroit 26, Michigan," copy of which was transmitted to your headquarters by the 5th District, OSI.

2. It is requested that your comments or action taken in connection with this matter be made known to this headquarters, particularly in connection with recommendations in paragraphs 2 and 3 of R&R, Comment 2, dated 28 January 1949, from the Office of the Surgeon, set forth on page 13 of above referred to report of investigation.

BY COMMAND OF THE CHIEF OF STAFF:

/s/ ALFRED A. NESSLER, JR.  
Brigadier General, USAF  
Director, Procurement & Industrial  
Planning, Office, Deputy Chief of  
Staff, Materiel

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~~RESTRICTED~~  
~~SECRET~~

UNCLASSIFIED

UNCLASSIFIED

AMC Form No. 10-7  
(Rev. 1 Apr 48)

INSERT  
OFFICER SYMBOL AND  
FULL SIGNATURE IN  
APPROPRIATE BLOCK  
CG, CO OR DEPUTY

Re: Ltr dtd 21 Apr 48 from Hq USAF subj: "Century Chemical Products  
Company, 520 West Fort Street, Detroit 23, Michigan; Fraud Against  
the Government."

AIR INSPECTOR

1st Ind.

MCM5X151/RE/10

Headquarters, AMC, Wright-Patterson Air Force Base, Dayton, Ohio.

3 June 1949

PUBLIC INF. OFFICE

Headquarters, United States Air Force, Director of Procurement and  
Industrial Planning, Washington 25, D.C.

COMPTROLLER

Pending the availability of a standard specification covering  
decorants, all requirements generated within the USAF will be met through  
the procurement of the following as recommended by The Air Surgeon:

PERSONNEL & ADM.

- a. Dyphen
- b. Clorox
- c. Zonite
- d. Azochlar

FOR THE COMMANDING GENERAL:

L. P. DAHL  
Colonel, USAF  
Chief, Material Section  
Supply Division

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

CTW  
MCM5X151  
MCM5X151

PROC. & IND. MDE.  
PLNG.

OTHER

~~CONFIDENTIAL~~

UNCLASSIFIED

*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK	ORIG. FILE COPIES TO RECORDS SEC. ADD	INITIALS	EXTRA COPY RETAINED	OFF. SYMBOL	INITIALS
HQ. SN. <input checked="" type="checkbox"/>	2. AIR. SN. <input type="checkbox"/>	LD	YES	MCM5X151	LD

UNCLASSIFIED

~~SECRET~~  
HEADQUARTERS  
MILITARY AIR TRANSPORT SERVICE  
WASHINGTON 25, D. C.

23 March 1949

SUBJECT: Request for Evaluation of Unidentified Aircraft Sightings

TO: Director of Intelligence, DCS/O  
Headquarters, USAF  
Washington 25, D. C.

1. Reference is made to the following Secret priority messages, information copies of which were sent to Directorate of Intelligence, Headquarters, USAF (copies attached);

a. TWX from Hq. SAC dated 192130Z

b. TWX from CO Airfield, Goose Bay, Labrador dated 211930Z

2. A message has been received this date from Headquarters, Newfoundland Base Command, Ft. Pepperrell, Newfoundland which refers to above referenced wires and states that information available at that headquarters indicates the reported flights did not terminate or originate in the area encompassed by the Newfoundland Base Command. They refer to previously reported sightings of unidentified aircraft in the Greenland area and suggest such activity may now have shifted to the North American Continent.

3. It is requested that both United States Air Force and Canadian sources be checked to ascertain whether aircraft of other commands may have been operating near Fort Chimo, Quebec at the times noted in attached messages.

4. The Newfoundland Base Command would further appreciate an evaluation of these reports in order that the importance of similar future sightings can be determined.

FOR THE COMMANDER:

2 Incls:  
As listed above

/s/James F. Brady  
JAMES F. BRADY  
Lt. Colonel, USAF  
Chief, Intelligence  
Division

S-29770

UNCLASSIFIED

~~SECRET~~

*Handwritten notes:*  
11/11/49  
X-4-52.1  
Important to Henry

UNCLASSIFIED

MEMO ROUTING SLIP

1	NAME OR TITLE <i>MCAGXR-14</i>	INITIALS	CIRCULATE
	ORGANIZATION AND LOCATION	DATE	CONCURRENCE
2			FILE
			INFORMATION
3			NECESSARY ACTION
			NOTE AND RETURN
4			SEE ME
			SIGNATURE

REMARKS

*1 ltr - 3 Incls.  
For Permanent File*

FROM NAME OR TITLE <i>MC, AX5</i>	DATE <i>4-7-49</i>
ORGANIZATION AND LOCATION	TELEPHONE <i>66332</i>

DA 1 OCT 47 895

Replaces WD AGO Form 895, 1 Jun 46, which may be used.

16-4887-2 GPO

UNCLASSIFIED

UNCLASSIFIED

~~SECRET~~

INSET  
OFFICE SYMBOL AND  
FULL SIGNATURE IN  
APPROPRIATE BLOCK

CG, CO OR DEPUTY

3/8 fr HQ MATS, dtd 23 Mar 49, subj: Request for Evaluation of Unidentified Aircraft Sightings.

AFOIR-00-10

1st Ind

4 April 1949

AIR INSPECTOR

Dept of the Air Force, Hq USAF, Washington 25, D.C.

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

PUBLIC INF. OFFICER

1. Request compliance, through this Headquarters, with par 4, of basic letter.

CONTROLLER

2. This Headquarters is endeavoring to secure the information requested in par three (3) of basic letter.

BY COMMAND OF CHIEF OF STAFF:

PERSONNEL & ADM.

2 Incls  
n/c

/s/

GEORGE D. GARRETT, JR.  
Lieutenant Colonel, USAF  
Actg Chief, Collection Branch  
Air Intelligence Requirements Branch  
Directorate of Intelligence

RESEARCH & DEV.

UNCLASSIFIED

UNCLASSIFIED

CONTROL NO. P - 208	SUBJECT: 1st Ind Request for Evaluation of Unidentified Airt Sighting      crest S-29770	DECIMAL FILE NO.	FOLLOW UP ON DATE
FROM: HQ USAF TO: IAIO	ir of Intell P-473	DATED 4/6/49	NO. INCL. 2
RECORDING DESK	ALI-3	DATE OF 4/6/49	RECORDED 1100 HOUR
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
IAIO	6/21/49	HWR	5/20/49
DATE OF REPLY:	OTHER DISPOSITION:	TRANSMITTAL AND FORM NO. 10-2 (20 NOV. 47) SEE OTHER SIDE FOR REMARKS	

UNCLASSIFIED

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UNCLASSIFIED

INSERT  
OFFICE SYMBOL AND  
FULL SIGNATURE IN  
APPROPRIATE BLOCK  
OR, CC OR DEPUTY

3/L fr Hq MANS, dtd 23 Mar 49, subj: Request for Evaluation of Unidentified  
Aircraft Sightings.

AIR INSPECTOR

2d Ind

MCIAIS/INS/dtw

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

APR 20 1949

TO: Director of Intelligence, DCS/O, Headquarters, United States Air Force,  
AFOSI APOFB-CO, Washington 25, D.C.

PUBLIC INF. OFFICER

COMPTROLLER

PERSONNEL

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOB.  
PLNG.

OTHER

1. Reference is made to paragraph 1b of basic communication. TWX from  
CG, Newfoundland Command to this Command, dated 251645Z March indicated that  
incident reported in TWX from CG Airfield, Goose Bay, Labrador dated 211930Z  
does not fall within the scope of USAF Air Intelligence Requirements Memorandum  
number 4, dated 15 Feb 49. Therefore, the written report mentioned in the Goose  
Bay Message, inclosure 2 of basic letter, was not submitted to this Command.

2. The report referred to in paragraph 1a of basic letter indicates that  
object sighted may have been a conventional aircraft. This Command is awaiting  
additional information concerning this incident.

3. In view of the above, this Command is unable to make a further evaluation  
of these reports at this time.

FOR THE COMMANDING GENERAL:

*H. N. McCall*  
H. N. McCall  
Colonel, USAF  
Chief, Intelligence Department

2 Incls  
n/c

*Tavelly*  
*Subinski*  
*Daymond*  
*Hawthorn*

UNCLASSIFIED

*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK	ORIG. FILE COPIES TO	INITIALS	EXTRA	OFF. SYMBOL	INITIALS
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UNCLASSIFIED ~~SECRET~~

HEADQUARTERS  
MILITARY AIR TRANSPORT SERVICE

CR NBR 02/20

INCOMING CLASSIFIED MESSAGES

DTG. 192130Z

PRECEDENCE Priority

FROM: HQ SAC

TO: HQ AMC

INFO: HQ USAF, HQ MATS, HQ NFLD BASE COMD, DIRECTORATE OF INTEL HQ USAF  
CMA CHIEF INTEL DIV MATS AND ABLE CHARLIESLANT SUGAR INTELL NBC.

REF NBR:

REF PROJ SIGN PD MSG FROM CO DET CRYSTAL ONE COMA CHIMO-FORT,  
CMA QUEBEC CMA STATED UNIDENTIFIED OBJECT SIGHTED TEAT STATION ONE  
NINE FIVE ZERO ZERO ZEBRA ONE EIGHT MARCH FOUR NINE CMA OBJECT DIS-  
PLAYED RED LIGHT SAME AS ACFT CMA APPROX ONE ZERO THOUSAND FEET ALT  
PD  
PD ESTIMATED SPEED TWO HUNDRED MILES PER HOUR PD DIRECTION OF FLIGHT  
WAS WEST TO EAST CMA REMAINED IN SIGHT FOR APPROX THREE MINUTES PD  
NO SOUND WAS HEARD PD OBJECT SIGHTED BY FOUR RELIABLE WITNESSES PD  
ADDITIONAL INFO WILL BE FURNISHED UPON COMPLETION OF INVESTIGATION  
FROM THIS STATION.

Paraphrase not required. Handle as SECRET correspondence per para-  
graphs 511 and 60a (4), AR 380-5, 15 August 19461

S-29770

*Incl No. 1.*  
UNCLASSIFIED ~~SECRET~~



**UNCLASSIFIED**

~~SECRET~~  
DEPARTMENT OF THE ARMY  
STAFF MESSAGE CENTER  
INCOMING CLASSIFIED MESSAGE

SECRET  
PRIORITY

PARAPHRASE NOT REQUIRED

From: CO Airfield Goose Bay Labrador

To : COMGENAMC Wright Patterson AFB Dayton, Ohio

Info: CSUSAF attn Dir of Intell Wash DC; COMMATS attn  
Chief Intell Div MATS Andrews AFB Md; CO NBC  
attn AC/S Intell Ft Pepperrell Wfld

DTG: 211930Z

21 February 1949

Report from Crystal 1, Fort Chimo, Quebec, states that on 19 Feb 1949 at about 1840 hours, a sound appearing to be a slow running aircraft engines was heard from a general southwesterly direction from the Base at a very high altitude. The sound remained within hearing distance for about 15 to 20 minutes, during which no objects or lights were observed. Check has been made to establish the fact that there were no Canadian or USAF planes from Goose Bay in the vicinity at that time. Written report will follow.

ACTION: AF

INFO : ID, FC

DM IN 5140 (22 Feb 49) DTG 211930Z mcs/D  
RC 23/22

~~SECRET~~

COPY

S-29770

**UNCLASSIFIED**

*encl 2*

~~CONFIDENTIAL~~

UNCLASSIFIED

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

16 March 1949

SUBJECT: Information regarding Unidentified Flying Objects

TO: Commanding General  
Air Materiel Command  
Wright-Patterson AFB  
Dayton, Ohio  
ATTN: MCLAXD-3

1. At approximately 2000 CST, 12 March 1948 an illuminated object, traveling at a high rate of speed, was reported to have been seen by numerous persons in this area.
2. Investigation revealed that the University of Minnesota was not aware of any solar phenomenon nor were aerial testing apparatuses being used.
3. Local military, commercial and private aircraft operations officers reported all flights were normal.
4. The three citizens, making the most credible reports, were interviewed using a copy of Essential Elements of Information as a guide.
5. Results of interviews are inclosed for your information.

*Central Files*

*Handwritten notes on right margin*

3 Incl:  
REI Project "SIGN"  
Re: 

*exp 66*

*Richard H. Ingraham*  
RICHARD H. INGRAHAM  
WOJG USAF  
Intelligence Officer

ORIG FILE COPIES TO:		INITIALS
RECORDS SECT, <input type="checkbox"/>	LAB BR <input type="checkbox"/>	<i>IB</i>
HQ BR <input type="checkbox"/>		
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<input checked="" type="checkbox"/> PERMANENT	<input type="checkbox"/> NON RECORD	

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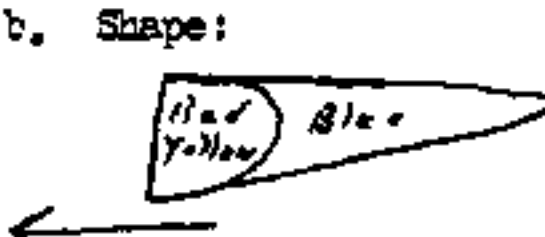
~~CONFIDENTIAL~~

263

*Handwritten mark*

(Re: Sightings of Unidentified Aerial Objects)

PROJECT "SIGN"

1. Date of sighting: 12 March 1949
2. Time of sighting: 1950-1955 CST
3. Where sighted:
  - a. Air
    - (1) Aircraft DC-3, speed 160 mph, altitude 3,000 MSL, direction 325°.
    - (2) Had just passed Chariton, Iowa and was approximately forty (40) miles S-SE of Des Moines' Municipal Airport.
    - (3) Clock position of object from observers aircraft was eleven (11) o'clock.
4. One object was sighted.
5. Distance of object from observer:
  - a. Definitely a considerable distance, perhaps fifty (50) miles possibly much more at an elevation angle.
  - b. Angle of elevation from horizon approximately 35°.
  - c. No accurate estimate of altitude given.
6. Time in sight: approximately five (5) seconds.
7. Appearance of object:
  - a. Color was reddish yellow at leading edge with blue trailing area.
  - b. Shape:  *Reported As Ball with Leading edge straight.*
  - c. Apparent construction: Fiery
  - d. Size:
    - (1) Quite large. Appeared six or eight times larger than a falling star.
8. Direction of flight:
  - a. Descending from East to West.

- 9. Tactics or maneuvers:
  - a. Forward and descending path.
- 10. No evidence of exhaust.
- 11. Cloud formations were not noted.
- 12. No lights were noted except that entire object was illuminated.
- 13. No visible means of support was noted.
- 14. Propulsion: No opinion.
- 15. No method of control or stability was noted.
- 16. No features were noted.
- 17. Speed in miles per hour not estimated except definitely slower than falling star.
- 18. No sound was noted.
- 19. No projections were observed.
- 20. Object disappeared below the horizon.

Relative to the Observer

- 1. Name of observer: [REDACTED]
- 2. Address: [REDACTED] Minneapolis, Minnesota
- 3. Occupation: Airlines Captain.
- 4. Place of business: Mid-Continent Airlines, Minneapolis, Minnesota.
- 5. Experience: Nineteen (19) years as pilot.
- 6. Ability to determine color, speed of moving objects and size at distance is believed to be excellent.
- 7. Reliability of observer:
  - a. Neighbors and employer consider Mr. [REDACTED] exceptionally reliable.
- 8. Notes relative to observation:
  - a. Sightings obtained from position of aircraft. Aircraft still on course when object disappeared.
  - b. Attention was drawn to object by the co-pilot, Mr. W. W. Thompson.

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EXP  
64

9. Witnesses:

a. Mr. [REDACTED], Minneapolis, Minnesota. Employed by Mid-Continent Airlines as a co-pilot.

b. CAA Controller on duty 1900-2000 hours CST at Des Moines, Iowa.

(1) Held radio conversation with Mr. [REDACTED] immediately following the disappearance of object and he, the controller, commented that the object appeared to be a burning aircraft.

10. Mr. [REDACTED] character and intelligence are considered to be excellent.

GENERAL

1. Local weather conditions as recalled by Mr. [REDACTED] and Mr. [REDACTED] at the time of sighting object were as follows:

a. Surface winds East at 10 mph. Winds aloft at 3,000 feet East at 15 mph.

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103

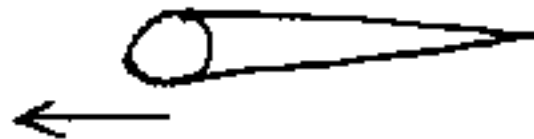
~~CONFIDENTIAL~~  
ESSENTIAL ELEMENTS OF INFORMATION

UNCLASSIFIED

(Re: Sightings of Unidentified Aerial Objects)

PROJECT "SIGN"

1. Date of sighting: 12 March 1949
2. Time of sighting: Approximately 2000 CST
3. Where sighted:
  - a. Ground
    - (1) Minneapolis, Minnesota; from an automobile at the intersection of 26th Street and Fremont Avenue North.
4. One object was sighted.
5. Distance of object from observer:
  - a. The object seemed to be at about the normal height of an aircraft over the city.
  - b. The angle of elevation from the horizon was approximately  $45^{\circ}$ .
6. Time in sight was perhaps thirty (30) seconds.
7. Appearance of object:
  - a. A glowing ball of fire trailing a flame approximately three (3) times it's diameter.
  - b. Shape - circular.



- c. Apparent construction - opaque.
    - d. Size (estimated):
      - (1) Approximately thirty ~~degrees~~<sup>feet</sup> (30<sup>ft</sup>) in diameter.
      - (2) Approximately the size of a transport airplane.
8. Direction of flight was Southwest.
9. Maneuvers:
  - a. A steady gentle curve toward the earth.

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UNCLASSIFIED

SRCN	27
INDEX	___
SERIAL	___
CLSFY	___
FILE	___

DEPARTMENT OF THE AIR FORCE  
 HEADQUARTERS UNITED STATES AIR FORCE  
 WASHINGTON

THE INSPECTOR GENERAL USAF  
 3RD DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
 1612 S. CAMERON STREET, HARRISBURG, PA.

MAR 11 1949

24-9

SUBJECT: PROJECT "SIGN"

THRU: District Commander  
 5th District OSI (IG) USAF  
 Wright-Patterson Air Force Base  
 Dayton, Ohio

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

1. Reference is made to letter from 5th District OSI, Wright-Patterson AFB, Dayton, Ohio, dated 3 January 1949, File 5D 24-4.

2. Forwarded for your information and any action deemed appropriate is the final report of Special Agent TOMEY ZEVRAIS, 3d District OSI, dated as above. With the submission of this report, all logical investigative leads have been covered and reported.

EX 36

3. Interviews with witnesses of Subject phenomena failed to give any logical explanation of same. Investigation disclosed that [redacted] and [redacted] who reported the sighting of the spherical objects, are of unquestionable veracity and integrity and no reason to doubt their statements was disclosed.

4. In order that OSI records may be complete, it is requested that this office be informed of the results of any action which may be taken.

FOR THE DISTRICT COMMANDER:

1 Incl  
 Report of SA [redacted]  
 dtd as above (in dup)

*Woff*  
*for*

UNITED STATES AIR FORCE	
THE INSPECTOR GENERAL	
BACCHUS B. BLIND, JR.	
Captain, USAF	14 MAR 1949
Deputy Commander	
OFFICE OF SPECIAL INVESTIGATIONS	
5TH DISTRICT	
ROUTE TO	FILE

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5D 24-4

1st Ind

5D-OSI/JWF/fmm

(11 Mar 49)

Subj: PROJECT "SIGN" (SPECIAL INQUIRY)

5th District OSI (IG), Wright-Patterson AFB, Dayton, Ohio, 15 Mar 49

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

Forwarded for your information and any action deemed appropriate.

*John W. Farrell*  
 JOHN W. FARRELL  
 Major, USAF  
 Acting District Commander

1 Incl  
n/c

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RECORDS SECT. 100	HQ BRL	/S
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CONTROL NO. 1-658	SUBJECT: 1 Ind Project Sign (Special Inquiry) (Conf) 0-1692	DECIMAL FILE NO.	FOLLOW UP ON DATE
FROM: 5th District OSI(IG)	TO: AXS	DATED: 3/11/49	NO. INCL: 1
RECORDING DESK	AXI-3	DATE RECORDED	3/16/49 HOUR 1030
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (Initials)	DATE
1 AXS	<i>Planned</i>		3/17
2 14 VO	NR	<i>Hill</i>	<i>1/11/49</i>
3			
DATE OF REPLY	OTHER DISPOSITION:	TRANSMITTAL AMC Form No. 10-2 (20 Mar 47) SEE OTHER SIDE FOR REMARKS	
WF-67 DEC 48 125M 3rd of 2			

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3-11



24-9

1949

REPORT MADE BY

TONEY ZEVRAIS

REPORT OF INVESTIGATION

TITLE

PROJECT "SIGN"

REPORT MADE AT

DO #3, 1612 S. Cameron St., Harrisburg, Pa.

PERIOD

10, 24 Feb - 2, 3 Mar 49

OFFICE OF ORIGIN

DO #3, 1612 S. Cameron St., Harrisburg, Pa.

STATUS

CLOSED

CHARACTER

SPECIAL INQUIRY

REFERENCE

Letter from DO #5, Wright-Patterson AFB, Dayton, Ohio, dated 3 Jan 49, File 5D 24-4

SYNOPSIS

Investigation predicated from information received from Technical Intelligence Division, Hq, AMC, Wright-Patterson AFB, Dayton, Ohio regarding the sighting of unidentified aerial phenomena near Ambridge, Pa., by [redacted] and [redacted] during the week of 20 December 1948. At 0130 hours 17 December 1948, [redacted] and [redacted] sighted several unidentified spherical objects approaching high above the horizon from the north, and before reaching a point directly overhead, made a sharp 90° turn towards the west and faded from view while still high above the horizon. Greater Pittsburgh Airport, Coraopolis, Pa. Weather Sequence at 0130 hours 17 December 1948, indicated visibility clear (1 1/2 miles) fog and smoke. Wind from west, 12 miles per hour. Military and civilian flight records disclosed no flights over Ambridge at 0130 hours 17 December 1948. References contacted concerning character of [redacted] and [redacted] disclosed no derogatory information, and both are considered good, sober citizens whose veracity has never been doubted.

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DISTRIBUTION

CG, AMC, Wright-Patterson AFB  
(Action Copy)

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DO #5, WP AFB

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Hq, OSI

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File

2

ACTION COPY FORWARDED TO

CG, AMC, Wright-Patterson AFB, Dayton, Ohio

APPROVED

*Michael G. Frisch*  
MICHAEL G. FRISCH  
Major, USAF

DISTRICT COMMANDER

FILE STAMP

DETAILS:

1. This investigation was requested by Commanding General, Hq, AKC, Wright-Patterson AFB, Dayton, Ohio, Technical Intelligence Division, regarding the sighting of unidentified aerial phenomena by [REDACTED] and [REDACTED] during the week of 20 December 1948.

AT FREEDOM, PA.

2. This is a joint investigation of Special Agent HARRY H. PERRY, Jr. and the writer.

3. On 10 February 1949, Mr. [REDACTED] Freedom, Pa., was interviewed in his home and stated in substance that on 17 December 1948 at approximately 0130 hours while working as a yardmaster in the railroad yard of the Spang-Chalfant Corporation, which is on the north side of Ambridge, Pa., he sighted what appeared to be a formation of spherical objects, approximately the dimension of a late full moon. These objects were first sighted at a 45° angle above the horizon to the north. The objects appeared to be moving at a high rate of speed towards the south. At this time the topmost object appeared to dive beneath the formation and accomplish a sharp 90° turn to the right. This maneuver was followed by the rest of the formation. The objects then disappeared very high above the horizon towards the west where they faded from the view of the observer. All movements appeared to be definite as in controlled flight. The objects seemed to be whitish or luminescent and no exhaust vapors or flames were evidenced. At the time of this sighting, the sky was clear, moonlit, and visibility according to the observer, was excellent. It was estimated the objects were visible for approximately thirty (30) seconds and appeared to be rotating around their axes. No lights other than the overall luminescence of the object were apparent and no antennae, wings, fins, projections, propellers, slots, ducts or openings were visible. At the time of the sighting [REDACTED] was standing near a railway switching locomotive and therefore could not definitely state whether or not there was any noise emanating from the objects. [REDACTED] stated he has no hobbies as his family and position take up most of his time. [REDACTED] upon request and to the best of his ability, drew a rough sketch of the objects which is inclosed with this report as Exhibit "A", and at a later date mailed to this office a page from an unnamed magazine, depicting objects similar to the ones he sighted, which is attached hereto as Exhibit "B".

NOTE: [REDACTED] appeared to be an intelligent, conscientious, reliable, sober family man.

AT NEW BRIGHTON, PA.

4. On 24 February 1949, Mr. [REDACTED] New Brighton, Pa., was interviewed in his home and stated in substance that on 17 December 1948 at approximately 0130 hours, while working as conductor in the railroad yards of the Spang-Chalfant Corporation, Ambridge, Pa., his attention was attracted by a shout from the night yardmaster, [REDACTED] who was

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pointing up into the sky. [REDACTED] who at the time, was atop a freight car, immediately looked up towards the direction indicated by [REDACTED] and sighted what appeared to be a group of eight (8) white objects, approximately 45° above the horizon moving up the river from Rochester, Pa. towards Ambridge. (The Ohio River between Rochester and Ambridge flows from south almost directly north, consequently objects would be moving towards the south). The objects which resembled wheels turning around hubs were traveling at what appeared to be a high rate of speed. The objects suddenly dove, changed positions, and executed a sharp 90° turn to the right fading from view towards the west while still high above the horizon. [REDACTED] estimated the time objects remained in his view as approximately thirty (30) seconds. The objects were solid, white, rotating wheels and approximately the size of a high full moon. The weather during this period was clear. In view of the fact that [REDACTED] was standing on a freight car close to the switching engine, he could not state if noises of any type were emanating from the objects. The objects appeared to be definitely under control and no antennae, wings, fins, projections, propellers, slots, ducts, or openings were visible and did not leave a vapor trail nor were there signs of exhaust. HILDEBRAND could not make a definite statement concerning the speed, size, or altitude of the objects. [REDACTED] has no hobbies other than his automobile as he stated he is entirely occupied by his family and job.

NOTE: [REDACTED] is the father of three (3) children and appears to be well settled, honest, and a conscientious person.

AT CORAOPOLIS, PA.

5. On 24 February 1949 the weather sequence for Greater Pittsburgh Airport, Coraopolis, Pa., for 0130 hours 17 December 1948 was obtained as follows:

0130 17 December 1948 GRP Sequence, clear, 1 1/2 miles visibility (fog and smoke) pressure 190 millibars, 33°F, dew point 31°F, winds from west at 12 mi per hr, altimeter 30.07. Pressure rising 3/100 millibars. No precipitation in last 12 hours. Maximum temp. 57°F. Winds aloft for this period could not be obtained from GRP.

AT McKEESPORT, PA.

6. On 2 March 1949 the winds aloft for Allegheny County Municipal Airport, McKeesport, Pa., was obtained from U.S. Weather Bureau, Municipal Airport, Allegheny County, for the following times and dates:

2200 16 Dec 48	2000 MSL	260°	7 mph
	3000 MSL	270°	9 mph
	4000 MSL	270°	8 mph
	5000 MSL	270°	7 mph
	6000 MSL	270°	8 mph

0400 17 Dec 48 2000 MSL 270° 29 mph  
 3000 MSL 260° 30 mph  
 4000 MSL 280° 29 mph  
 5000 MSL 270° 36 mph  
 6000 MSL 270° 45 mph  
 7000 MSL 270° 53 mph  
 8000 MSL 260° 71 mph  
 9000 MSL 270° 72 mph

7. On 2 March 1949 Mr. [REDACTED] Chief, Aircraft Communications, Allegheny County Municipal Airport, McKeesport, Pa., was interviewed concerning radio contacts made with aircraft in flight in the Pittsburgh area on 17 December 1948. Radio contacts are as follows:

0015 17 Dec 48 AF 8801 5 min NE Pitts at 5000 VFR  
 0023 AF 8801 over GRP at 3000 VFR  
 0201 NAN 47172 over Pitts 8000 VFR

8. On 2 March 1949 Mr. [REDACTED] Tower Operator, Allegheny County Municipal Airport, McKeesport, Pa., was interviewed and the following information regarding incoming and outgoing flights of aircraft was obtained:

	<u>Incoming</u>	<u>Outgoing</u>
17 Dec	0025 TWA 3011 fr. LaGuardia	0025 Capital 74 to Washington
	0031 Capital fr Washington	0028 Capital 22 to Washington
	0159 Capital fr Newark	0100 TWA 3011 to St. Louis
	0215 Capital fr Newark	0111 TWA 1031 to Columbus
		0116 TWA 1433 to Columbus

AT CORAOPOLIS, PA.

9. On 2 March 1949 a check of the files of the Airway Communication Service, Greater Pittsburgh Airport, Coraopolis, Pa., for 17 December 1948, revealed the following information regarding incoming and outgoing flights of military aircraft:

<u>Incoming</u>	<u>Outgoing</u>
0029 B-25 fr Cleveland	0153 C-45 to Middletown

Radio check-in call C-45 at 0220 enroute from Orchard Place to Bolling AFB. There were no local flights from GRP after 1800 16 December 1948.

AT AMBRIDGE, PA.

10. On 24 February 1949 Mr. [REDACTED] Industrial Relations Supervisor, Spang-Chalfant Corp., Ambridge, Pa., was interviewed in his office regarding [REDACTED] and [REDACTED] stated in substance that although he never had occasion to have personal contact with either of the men, he

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could definitely state that from the viewpoint of employer-employee relationship their work, character, and integrity were beyond reproach. Each man has been employed in the freight yards for over twelve (12) years and on no occasion have given cause for suspension or reprimand. Both are considered good, solid American citizens and typical family men of the community. Physically and mentally, both men are in excellent condition due to the nature of their work, which necessitates coordination and good eyesight as their work in the switchyards is at night.

11. On 24 February 1949 Mr. [redacted], Yardmaster, Spang-Chalfant Corp., Ambridge, Pa., was interviewed in his office and stated he is personally acquainted with both men for over twelve (12) years, both as a friend and supervisor. [redacted] is night yardmaster under [redacted] and [redacted] is a car conductor, responsible for the shifting and making up of freight cars in and out of the Corporation's yards. [redacted] stated that in his estimation, both men are good, sober, citizens whose veracity he would never doubt, and on no occasion has he had cause to mistrust or reprimand either man.

AGENCY

12. On 24 February 1949 the following agencies were checked with negative results:

Police Department, New Brighton, Pa.  
Constable, Freedom, Pa.

Inclosures:

FOR CG, AMC, WRIGHT-PATTERSON AFB, DAYTON, OHIO

1. The signed statements of [redacted] and [redacted], dated at Beaver County, Pennsylvania, 3 March 1949.
2. Exhibit "A" - a rough sketch of the objects drawn by [redacted].
3. Exhibit "B" - a page from an unnamed magazine depicting objects similar to the ones sighted by [redacted].

FOR DISTRICT OFFICE NO. 5, WRIGHT-PATTERSON AFB, DAYTON, OHIO

Copy of statement of [redacted] and [redacted], dated at Beaver County, Pennsylvania, 3 March 1949.

FOR HQ, OSI, WASHINGTON, D.C.

Copy of statement of [redacted] and [redacted], dated at Beaver County, Pennsylvania, 3 March 1949.

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3-7-68

AMC Form No. 14-7  
(Rev 4 Apr 48)

INSERT  
OFFICE SYMBOL AND  
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OR DEPUTY

AIR INSPECTOR

MCIAXS

PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

ROC. & IND. MOB.  
PLNG.

OTHER

MCIAXS/GWT/aw

MAR 10 1949

SUBJECT: Project "Grudge" Status Report

TO: Director Research & Development, DCS/M  
Headquarters USAF  
Washington 25, D. C.

In accordance with established procedure the following project status report is submitted.

a. Since the establishment of a project for the study of unidentified aerial phenomena, approximately 256 reports have been recorded as worthy of further consideration and study.

b. Reported objects vary in shape from whirling discs to the popular conception of interplanetary space ships. To date these configurations have fallen into the following categories:

13.3%	Disc
43.	Sphere or elliptical (includes balls of fire)
6.	Cylinder
2.5	Winged
32.2	Undetermined and other

c. As the result of a request for aid and advice in carrying out the investigation of the numerous green fireball incidents observed in the vicinity of Los Alamos, New Mexico, Capt Groszlowe and Lt Smith of this Headquarters proceeded to Kirtland Air Force Base, N. M. During this visit, Sq, Air Materiel Command's position and requirements in this matter were explained. Results of experience gained in investigations of similar incidents by this Headquarters were discussed.

d. Naval and other research agencies have been contacted in an effort to obtain additional information as to release schedules, wise,

*McAughy F11 333.5 Investigative  
400.312 Special Project*

*BFH*

*W. Smith  
Admiral J.  
Diamond  
Wright*

*list  
Project  
Grudge*

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**AMC**  
Subject: Project "Grudge" Status Report

- AIR INSPECTOR
- PUBLIC INF. OFFICE
- COMPTROLLER
- PERSONNEL & ADM.
- RESEARCH & DEV.
- INTELLIGENCE
- SUPPLY AND MAINT.
- PROC. & MNG. MOE. PLNG.
- OTHER

shape, point of origin and probable flight paths of experimental balloons now being used by these agencies. It is felt some sightings may be attributed to objects of this nature.

a. Results of studies by consulting agencies are now being received and distributed.

FOR THE COMMANDING GENERAL:

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

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17th DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

ACM/LEN/web

File No: 24-8

9 March 1949

SUBJECT: UNKNOWN (Aerial Phenomena)

TO: Commanding Officer  
Kirtland Air Force Base  
Kirtland Field, New Mexico  
ATTN: Inspector General

1. Reference is made to Reports of Investigation, this district, dated 9 February and 11 February 1949, file number and subject as above, copies of which have been forwarded your headquarters.

2. Attached for your information are four copies of Report of Investigation, this district, dated 9 March 1949, file number and subject as above.

3. It is requested that two copies of the attached Report of Investigation be forwarded to Headquarters Air Material Command, which has been designated as the headquarters responsible for the coordination of this investigation.

4. This is a supplemental report. Investigation is continuing and subsequent reports will be submitted to your headquarters for your information and possible guidance.

*A. C. Murrelle, II*

A. C. MURRELLE, II  
Captain, USAF  
Acting District Commander

1 Incl  
Rpt of Inv (quad)

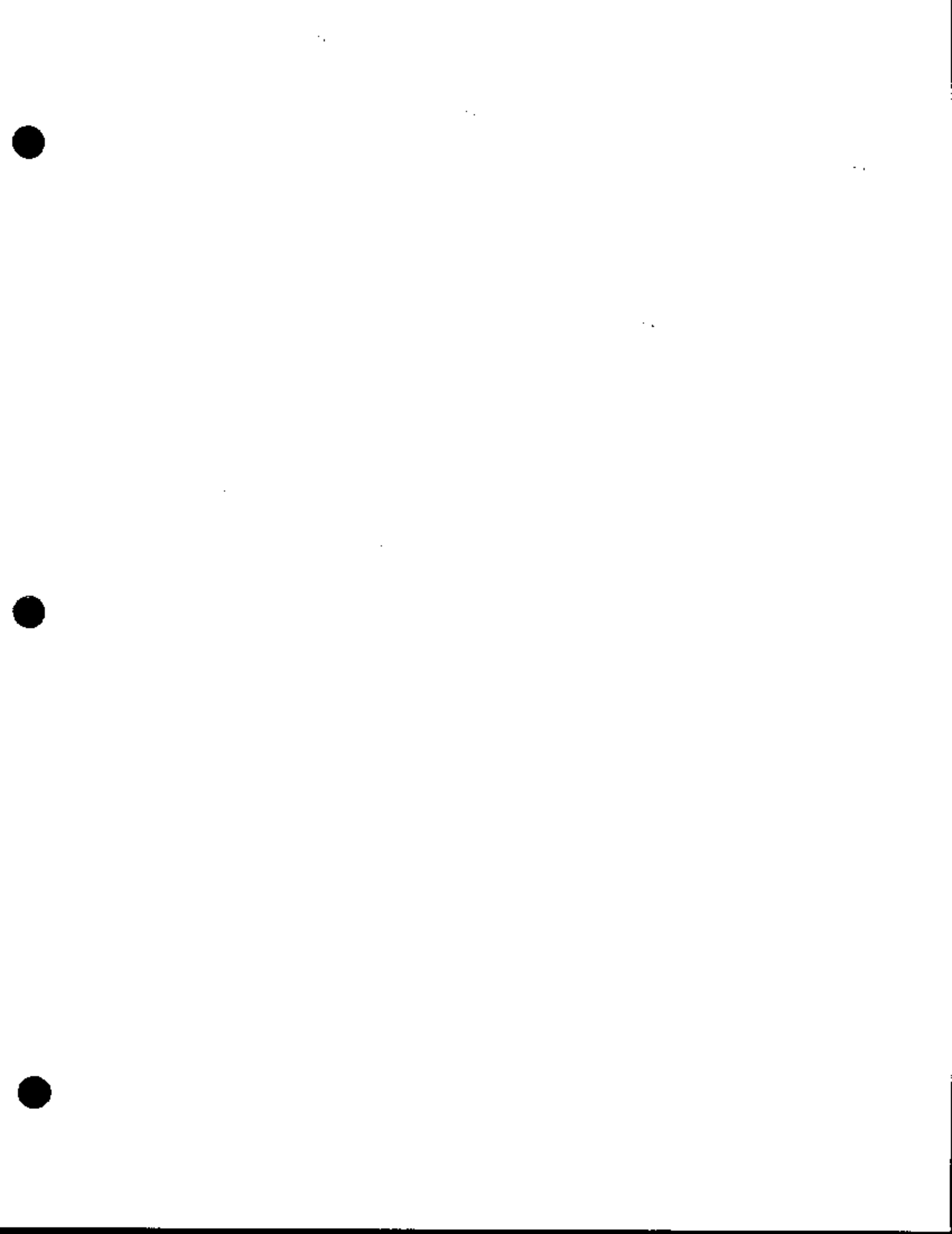
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KAFB 3688

Necessary for...





8. The writer proceeded to the spot from which Dr [redacted] observation had been made and took observations with a pocket compass. These readings showed that the road headed due southwest, rather than south as [redacted] thought. The true heading adduced from the observation given by the [redacted] was 243°. It is to be noted that this heading does not agree with the readings reported by Dr [redacted]

9. The condition of the roads was such that it was impossible for the writer to reach Klageah, Arizona, by automobile on 17 February 1949. No personal interview with either [redacted] or the Indians was possible therefore.

NOTE: "Sheep Springs" is a very common place name in this area, so that no accurate location is possible without additional information.

AT ALBUQUERQUE, NEW MEXICO

10. A Memorandum Report was received in response to a letter requesting interview of Mr. [redacted] Fort Worth, Texas, meteoricist. This interview was conducted on 18 and 19 February 1949 by Special Agent HENRY M. LANGLOIS, 23rd District OSI. Verbatim report follows:

EX-106  
 "1. Mr. [redacted], was interviewed at his office at [redacted], Fort Worth, Texas, on 18 and 19 February 1949. Mr. MONRIG had no direct knowledge of the "fireball" which occurred at about 1900 hours, 30 January 1949; however, he is extremely interested in meteorites and this avocation of his is well known, consequently individuals who did see the "fireball" contacted him and he had in his possession a file concerning the observations of these persons. This file was examined and the following pertinent information extracted:

"a. The first telephone call to Mr. [redacted] was from a Mr. [redacted] who telephoned at 1855 plus 20 seconds (time is exact since watch was checked with WWV shortly before this call) to report that he had seen a green flame trailing sparks going from North to South in the West. This occurrence had happened a minute or so prior to his telephone call. The observation had been made from the residence of [redacted] Fort Worth, Texas. The green flame appeared to have a trajectory of approximately 30 degrees downward from the horizontal. Mr. [redacted] with reference to this call interviewed a Miss [redacted] on 1 February 1949, who was the first to observe the phenomena in the [redacted] residence and from her indicated positions measured with a hand transit the beginning point as being North 62 degrees West, true, at approximately 6 plus degrees altitude and the end point at being North 86 degrees West altitude 3½ degrees or lower. The exact time of duration by rehearsal was measured to be 1.8 seconds. The approximate size of the "fireball" was considered to be from 1/2 down to 1/3 the size of a full moon.

"b. The second call received on 30 January 1949, was from a Mrs. [redacted] who resided at [redacted], Fort Worth, Texas, who reported a real bright green burst seen in the West followed by a lot of little sparks. Mr. [redacted] did not contact Mrs. [redacted] per-

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Encls Ltr to AMC fr Hq Fourth Army, dtd 15 Mar 49, "Unconventional Aircraft"

AIR INSPECTOR

1st Ind

WCIAAO-3/HWS/rm

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

MAR 25 1949

TO: Commanding General, Headquarters Fourth Army, Fort Sam Houston, Texas

[Redacted]

PUBLIC INV. OFFICE

1. It is requested that source of report in basic communication be contacted for further information.

COMPTROLLER

2. In this and future reports concerning unidentified flying objects, as much of the information outlined in inclosed Guide to Investigation as is available, should be included.

FOR THE COMMANDING GENERAL:

PERSONNEL & ADM.

1 Incl *N/A*  
"Guide to Investigation"  
(dup)

*W. R. Cline*  
W. R. CLINEBMAN  
Colonel, USAF  
Acting Chief  
Intelligence Department

RESEARCH & DEV.

INTELLIGENCE  
WCIAAO  
*R. H. ...*

*W. R. Cline*  
SUPPLY AND MANT.

PROC. & IND. MOE.  
PLNS.

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AIR INSPECTOR

MCIAIS/GWT/aw

MCIAIS

MAR 15 1949

PUBLIC AFF. OFFICE

SUBJECT: Unconventional Aircraft

COMPTROLLER

TO: Commanding General  
Fourth Army  
Fort Sam Houston, Texas

PERSONNEL & ADM.

1. Reference is made to "Summary of Information" dated 25 February 1949 from Branch Intelligence Office, Little Rock, Arkansas, subject "Sighting of Unconventional Aircraft" forwarded by confidential letter from HQ, Fourth Army, dated 2 March 1949, file number 452.1 AKADG, subject "Unconventional Aircraft".

RESEARCH & DEV.

2. Additional information is requested regarding the sighting reported in referenced communication. A copy of "Guide to Investigation" is inclosed as an aid in obtaining desired information.

3. It is particularly desired that weather units in the area be contacted for schedules of release and probable trajectory of lighted synoptic balloons.

4. It is requested further that a check be made to determine whether lighted beacons or searchlights were in the vicinity at the time.

5. All collected data should be directed to Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, Attention: MCIAIO-3.

FOR THE COMMANDING GENERAL:

INTELLIGENCE

*W. Smith*  
*H. Towles*  
*J. Williams*  
*C. Johnson*

SUPPLY AND MAINT.

PROC. & INV. MOB.  
PING.

1 Incl *N/A*  
Guide to Inves

*W. R. Clingerman*  
W. R. CLINGERMAN  
Colonel, USAF  
Actg Chief, Intelligence Department

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*Vertical handwritten notes on the right margin, including "11-1-49" and "W. R. Clingerman".*

COPY

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HEADQUARTERS FOURTH ARMY  
Fort Sam Houston, Texas

15 March 1949

152.1 AXADS

SUBJECT: Unconventional Aircraft

TO: Commanding General  
Air Materiel Command  
Wright-Patterson Air Force Base  
Dayton, Ohio  
ATTN: M.C.I.

1. Reference letter Intelligence Division, OSUSA, OSOED 152.1, 25 March 1948, subj, "Unconventional Aircraft," and to Control No. A-1917.
2. Inclosed Summary of Information, this office, subject and file as above, 15 March 1949, re unidentified flying light observed New Mexico on 8 March 1949 at 1835 hours, if forwarded for your information and any action deemed necessary.

FOR THE COMMANDING GENERAL:

1 Incl  
As stated

EUSTIS L. POLAND  
Colonel, GSC  
AC of S, G-2

*(Handwritten signature)*  
X452.1  
Circulation  
2/18/49

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**UNCLASSIFIED UNCLASSIFIED**

**CROSS REFERENCE  
AND SUSPENSE RECORD**

~~Secret~~

**FILE UNDER NO: 333.5 Investigations**

**DATE: 3-16-49**

**FROM: MCIAXO-1**

**TO: Director of Intelligence, Hqs USAF Wash 25, D.C.**

**SUBJECT: Security Measures on Current Pratt & Whitney Engines Sold in France**

**DOCUMENT FILED UNDER: 452.13 Pratt & Whitney**

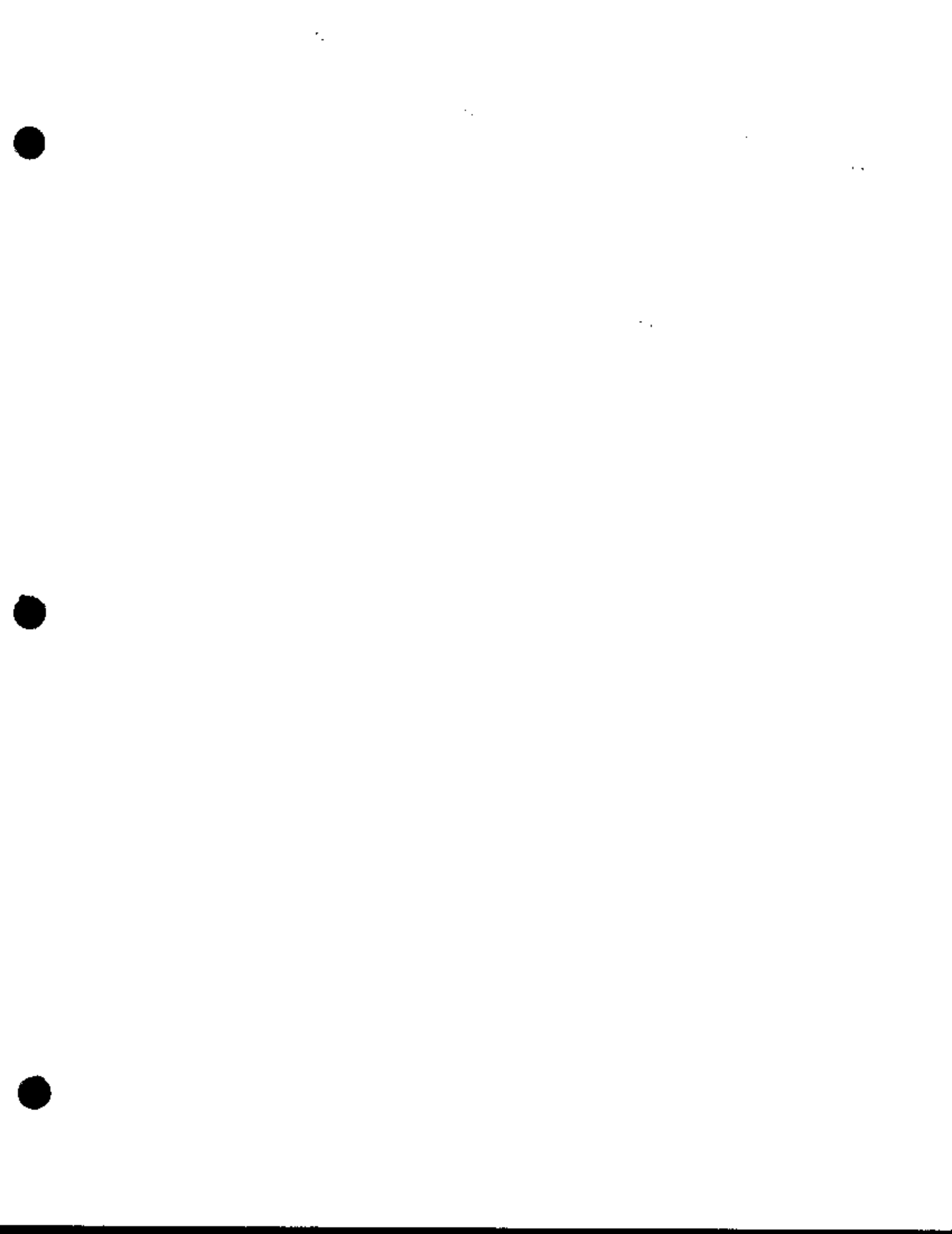
~~Secret~~

<b>SUSPENSE RECORD</b>			
<b>DATE</b>	<b>FOR ATTENTION OF</b>	<b>DATE</b>	<b>FOR ATTENTION OF</b>

**ACTION TO BE TAKEN ON SUSPENSE DATE**

**UNCLASSIFIED**

**UNCLASSIFIED**



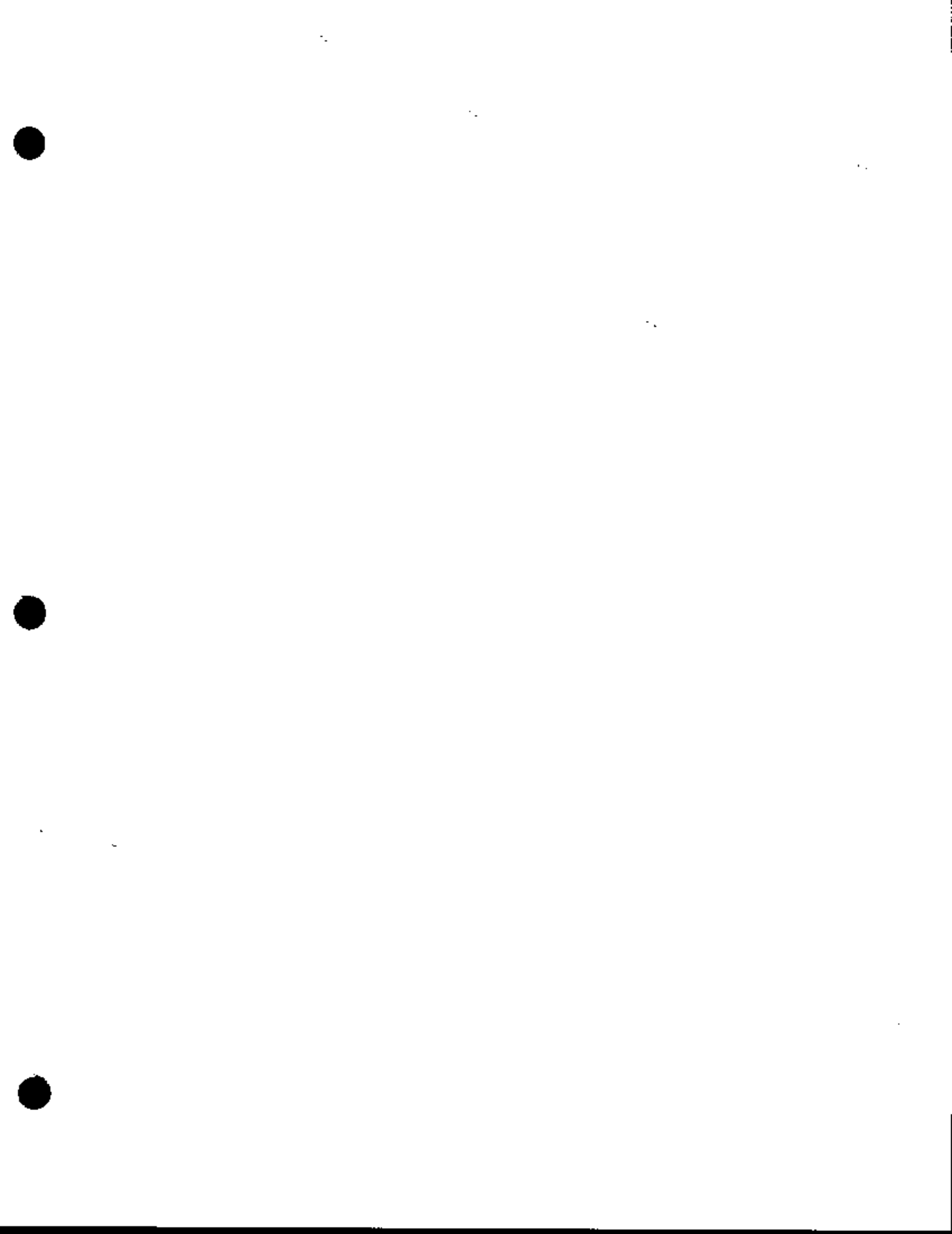
10. No evidence of exhaust was noted except the trailing flame.
11. No effect on clouds was noticed.
12. No lights were noted except the entire object was luminous.
13. No means of support was noted.
14. No means of propulsion was noted except the trailing flame.
15. No means of control and stability were noted.
16. No air ducts were noted.
17. Speed in miles per hour:
  - a. Compared to a transport at slow speeds as in gliding.
18. No sound was heard.
19. No projections were noted.
20. The object disappeared behind trees.

Relative to the Observer

1. Name of observer: [REDACTED]
2. Address: [REDACTED] Hopkins, Minnesota
3. Occupation: Salesman
4. Employer: Fels & Company, Philadelphia, Pennsylvania
5. Experience:
  - a. No special experience that would contribute to observation.
6. Ability to determine color, speed of moving objects and size at distance considered fair.
7. Reliability of observer:
  - a. Neighbors and police department of Minneapolis, Minnesota report Mr. [REDACTED] exceptionally reliable.
8. Notes relative to observer:
  - a. Sightings were obtained from position of automobile and known distances.
  - b. Attention was drawn to the object by its' bright light.

Ext  
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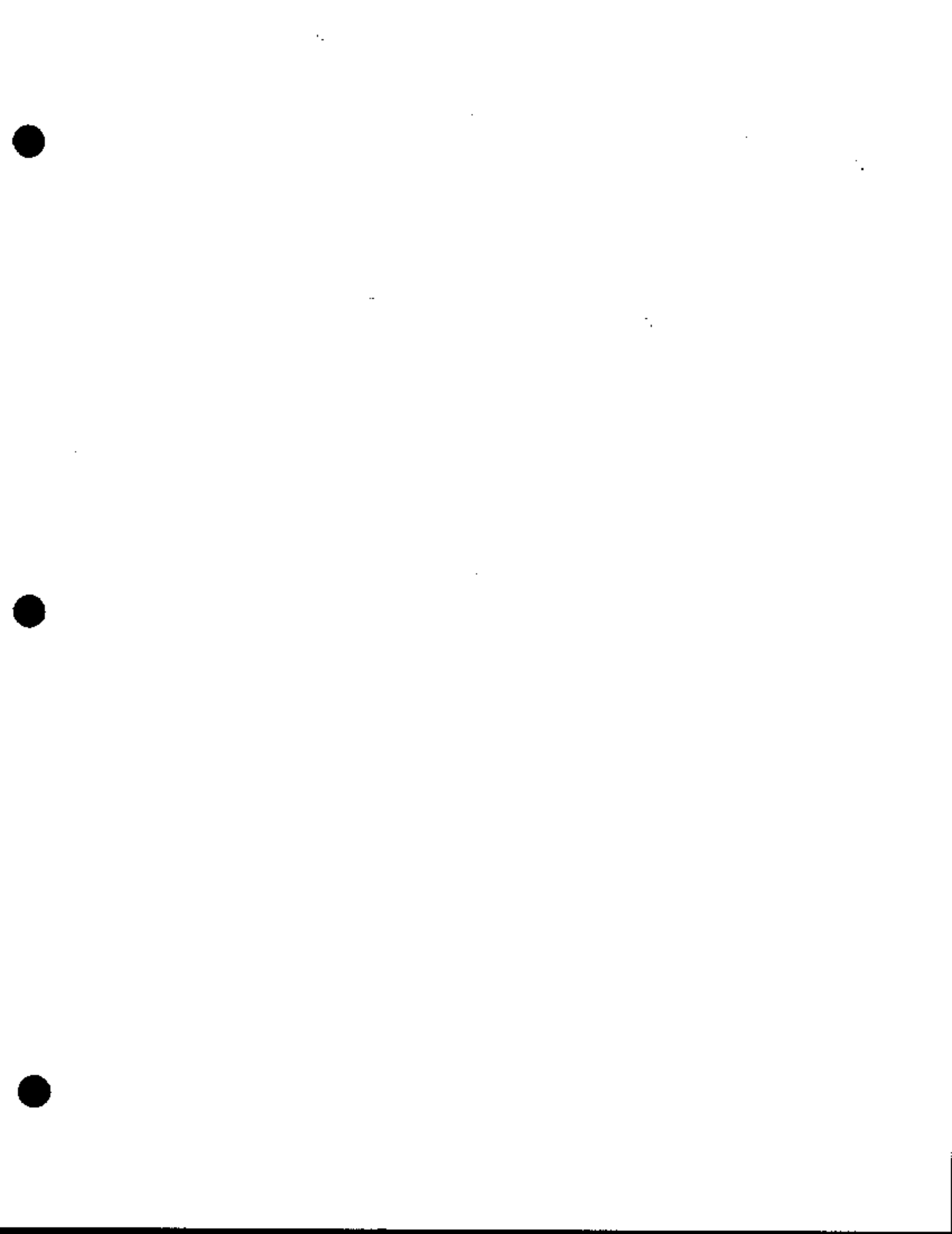




11. Effect on clouds was not noticed.
12. No lights were noted other than entire luminous body.
13. No means of support was evident.
14. No means of propulsion was evident.
15. No means of control and stability were evident.
16. Physical features could not be distinguished.
17. Speed in miles per hour:
  - a. Much faster than high speed aircraft; very much slower than falling star.
18. No sound was heard.
19. No projections were observed.
20. Manner of disappearance:
  - a. Object disappeared behind trees. It seemed to have struck the ground within one-half miles. Brightness increased as object came nearer.

Relative to the Observer

- EXP  
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1. Name of observer: [REDACTED]
  2. Address: [REDACTED] Minneapolis, Minnesota.
  3. Occupation: Electrician.
  4. Employed by Northwest Airlines, Minneapolis, Minnesota.
  5. Experience:
    - a. Worked for two and one-half (2 1/2) years with radar as a scanner.
  6. Ability to determine color, speed of moving objects and size at distance believed to be satisfactory.
  7. Reliability of observer:
    - a. Neighbors and employer believe Mr. [REDACTED] to be very reliable.
  8. Notes relative to observation:
    - a. Sightings were obtained from position of house.



*Handwritten notes in top left corner.*

Basic: Ltr fr 17th Dist OSI, KAFB, to CO, KAFB, dtd 9 Mar 49, Subj: "Unknown (Aerial Phenomena)"

AG 1st Ind OMN:jb  
HEADQUARTERS, Kirtland AF Base, Kirtland Field, New Mexico, 10 Mar 49

TO : Commanding General, AMC, Wright-Patterson AF Base, Dayton, Ohio.

Forwarded for your information in connection with the report of investigation forwarded from this Headquarters on 14 December 1948 by 1st Ind to letter same subject as above.

FOR THE COMMANDING OFFICER:

*Handwritten signature of Oliver M. Noland*

OLIVER M. NOLAND  
Captain, USAF  
Adjutant

1 Incl: n/c (1 cy w/d)

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HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. 24-8	DATE 9 March 1949
TITLE  UNKNOWN  (Aerial Phenomena)		REPORT MADE BY JACK L. BOLING	REPORT MADE AT DO # 17, Kirtland AFB
		PERIOD 16 - 19, 21 February 1949	OFFICE OF ORIGIN DO # 17, Kirtland AFB
		STATUS PENDING	
CHARACTER SPECIAL INQUIRY			
REFERENCE Report of EDGAR J. BETHEART, file 24-8, dated 9 February 1949			
SYNOPSIS  <p>Numerous persons were interviewed without result in and between Grants and Gallup, New Mexico, and Ganado, Arizona. Dr and Mrs [redacted] reported the sighting of a "fireball" at a point two miles east of Ganado. It was reported that two Indians had also sighted a "fireball". Their location was given as "east of Sheep Springs", the exact location of which is unknown.</p> <p>Mr [redacted] of Fort Worth, Texas, was interviewed in connection with information he had collected pertaining to the sighting of a fireball on 30 January 1949.</p> <p>Dr LaPAZ reported his findings relative to the sighting of 30 January 1949.</p>			
DISTRIBUTION		ACTION COPY FORWARDED TO	FILE STAMP
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Hq, OSI (1 Incl) 2			
File 2		APPROVED	
		<i>A. C. Murrelle, II</i> A. C. MURRELLE, II Captain, USAF Acting DISTRICT COMMANDER	

EXP b6

sonally as her information given over the telephone was not considered sufficiently detailed to warrant additional investigation.

"c. The third call received 30 January 1949, was from a Mrs. [redacted] who is employed at a casino at Lake Worth, Fort Worth, Texas. Mrs. [redacted] reported that she had observed a blue streak through a West window of the casino which started high in the sky and proceeded from North to South ending approximately in the West. This blue streak was quite wide appearing wider than a full moon. The streak came to a point at its rear end. The duration was approximated as being approximately 1 to 2 seconds. Mr. [redacted] did not contact Mrs. [redacted].

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"d. Mr. [redacted] Fort Worth, Texas, reported at a later date, that he was driving with his brother in a car on the highway from Sandley to Fort Worth, Texas, at approximately 1900 hours, 30 January 1949, and saw a sulphurous, green ball of fire moving from North to South in the West just prior to its apparent disintegration which occurred slightly North of due West and about 15 degrees North of the moon and 10 degrees lower than the moon. Just prior to disintegration the color changed from green to an orange-yellow and then to a deep red color. According to the observer the disintegration appeared similar to a rocket burst.

"e. Mr. [redacted] was interviewed early in February by Mr. [redacted] since he discovered that [redacted] was on duty in the CAA Control Tower at Meacham Field, Fort Worth, Texas, during the time of the occurrence of the phenomena and had observed it. [redacted] observations were rehearsed in the control tower and from this it was determined that the indicated beginning point was approximately North 64 degrees West, true, at an altitude of about 13 degrees and that the end point was approximately due West but no altitude was determined due to extraneous lights in the vicinity of the air field. The duration of the observation was considered to be about 2.4 seconds. The color of the "fireball" was compared as similar to the green of the runway lights. [redacted] did not see any terminal flare.

"f. On the night of 30 January 1949, Mr. [redacted] placed a telephone call to Big Springs Municipal Airport, Big Springs, Texas, and spoke to a Mr. [redacted] who, together with two others, was in the control tower at the air field and observed the phenomena. His observations placed the beginning point at about 5 degrees West of North and the end point slightly north of West of Northwest. The exact duration was between 5 and 7 seconds. The altitude was considered to be about 20 degrees above the horizon. The course was from North to South.

"2. Mr. [redacted] in an attempt to determine the end point of the "fireball" wrote to various individuals in the neighborhood of Paducah, Texas, for reports of the observation of the phenomena, since according to his calculations the end point should have been observed from

that vicinity as being "in the moon". Reports received from that area from individuals who had observed the phenomena gave the end point as a little to the right and below the moon.

"3. From this information and from other information furnished by a Mr. [redacted] of Radio Station KPET, Lamesa, Texas, Mr. [redacted] has plotted the ground tract as being from approximately Tulia, Texas to Tokio, Texas.

"4. From correspondence in Mr. [redacted] file it appears evident that Mr. [redacted] has been contacted by Army or Air Force Intelligence Agents.

"5. Mr. [redacted] has actively engaged in his avocation of the study of meteorites for the past 13 years; consequently his interviews and determinations are considered to be the best available source in this area. Mr. [redacted] has indicated his complete willingness to assist in reporting on any further occurrence or to furnish information on any past occurrences which he may have in his files."

11. A report was received from Dr [redacted] containing his findings relative to the observation of 30 January 1949. In this report the descriptions of the object agree with those given for previous sightings, except that as the ground track of the object is approached, the color shifts from green to red or orange. The ground track extends from near Amarillo, Texas, to Loop, Texas, a distance of some 143 miles. The course is slightly west of due South. Well over a hundred interviews were considered in the development of data for the IAPAZ report, which is attached to and made a part of this report.

NOTE: The sub-final points given by both [redacted] and [redacted] agree to about ten miles. IAPAZ evaluates the reports by laymen on the basis of the person's experience and probable ability to furnish accurate information as to azimuth and elevation. It is possible that [redacted]'s data is not so weighted, inasmuch as many of the readings were obtained from Mr [redacted] who gives equal value to all readings, and then takes an average.

- PENDING -

Inclosures:

FOR COMMANDING OFFICER, KIRTLAND AFB

Report of Dr [redacted], University of New Mexico, dated 21 February 1949

FOR HEADQUARTERS OSI

Report of Dr [redacted], University of New Mexico, dated 21 February 1949

EXP  
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UNDEVELOPED LEADS

DISTRICT OFFICE NO. 17, KIRTLAND AFB

Will report any further observations of aerial phenomena of this nature.

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~~CONFIDENTIAL~~

THE UNIVERSITY OF NEW MEXICO  
ALBUQUERQUE

Institute of Meteoritics

February 21, 1949

To: Lt Colonel Doyle Rees, Commanding Officer  
District No. 17  
Office of Special Investigations

From: Lincoln LaPaz, Director  
Institute of Meteoritics

Subject: Anomalous luminous phenomena (4th report)

EXP 46

1. Several additional sightings of unexplained aerial light phenomena have occurred since the third report in this series was prepared. Outstanding among the as yet undescribed incidents was the green fireball of Sunday evening, January 30, 1949, 5:54 p.m. MST. Within less than one minute after the appearance of the fireball, an eyewitness (Mr. [redacted]) called to report the impression of a group of persons who saw the fireball through an east window while seated about the dinner table in a brightly lighted room. Within twelve hours after the fireball appeared, more than 100 eyewitness accounts had been phoned or written in to the Institute of Meteoritics, or had been obtained by its director through personal interviews. An unusually high percentage of the reports came from military personnel (waiting out under the sky for Post Theaters to open), from guards and other special agents already alerted to watch for anomalous luminous phenomena and from airplane pilots, control tower men and oilwell workers working on the late afternoon to midnight shift.

2. On February 1st, a staff car was placed at the writer's disposal by Major William Godsoe of the Fourth Army and a field survey was begun of the region in New Mexico and Texas in which the majority of the observers reporting the fall lived. This survey, carried out under unusually severe weather conditions, included visits to the following localities: Moriarty, Estancia, Vaughn, Ramon, Mesa; Roswell, Caprock, Tatum and other towns in New Mexico; and Lamesa, Brownfield, Plains, Lubbock, Huleshoe and other towns in Texas. (Several of these towns were visited two or more times.) At Roswell, where very effective cooperation was provided by the OSI group at Walker Air Base under Lt Paul Ryan, and the local CAF unit under Lt H. K. Cobean, Special Agent Bill Rickett was added to the survey party and gave much aid in later work. At Lamesa, Texas, the ground survey party was joined by an air search party consisting of Major Charles Phillips, USAF, Captain Melvin E. Neef and Special Agent Jack L. Boling, from the 17th District OSI Office at Kirtland Field, and Corporal Cochran.

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On February 4th, the four persons just named flew a low-level air reconnaissance mission in a T-11 aircraft over the area surrounding the earth-point of the fireball of January 30th. At the same time a second ground survey party under Lt Paul Ryan made a careful field search along a route extending from Lamesa through Amherst, Texas, to Clovis, New Mexico.

3. As a result of the ground and air searches referred to above, and of an analysis of the very large amount of information obtained from eyewitnesses by personal interviews, by telephone conversations and by letter, it has now (three weeks after the fall) become clear that several thousand persons in New Mexico and Texas saw this great fireball leisurely traverse the sky. It has been possible to determine that the January 30th fireball became visible at an altitude of approximately twelve miles over a point at latitude  $34^{\circ} 50'$ , longitude  $102^{\circ} 5'$ , and disappeared at an altitude of approximately eight miles over a point at latitude  $32^{\circ} 48'$ , longitude  $102^{\circ} 22'$ , after traversing a nearly horizontal path approximately 143 miles long at a velocity of from seven to fourteen miles per second. Although the January 30th fireball must be ranked among the brightest observed in the last quarter-century, and in spite of the fact that its real path lay closer to the earth throughout its entire extent than any other meteorite path of which the writer has knowledge (excepting only the anomalous green fireballs of December 12th and 20th, 1948), the meteoritic detonations and long continued rumblings which without exception accompany large meteorite falls were not observed on January 30th by anyone in the very large region covered by the various ground surveys. However, what may have been Udden Noises (anomalous whizzing and hissing sounds frequently reported by very distant observers as having been heard at the same time that a meteoritic fireball was seen) were heard at Roswell, New Mexico, and near Mule shoe, Texas.

4. In addition to the absence of noise anomaly referred to in the last paragraph, the fireball of January 30th, 1949, shows several other features (e.g. nearly horizontal path, absence of long enduring luminous train or dust clouds, North to South direction, etc) characteristic of the green fireballs earlier described in this series of reports. However, the January 30th fireball was much brighter than any of those earlier reported and differed from the other green fireballs in that many of the Texas observers who were situated nearest its path reported its color as blue, orange, red and even purple instead of green.

5. Up to the present time (February 21st), no evidence whatever supporting the belief that solid fragments fell to earth from the January 30th fireball has been discovered. However, as promptly as possible, a much more thorough ground search should be made in the probable area of fall as outlined by the earlier surveys, for, in my opinion, the fireball of January 30th is the only one of the anomalous luminous objects under investigation which gives any indication of having been a meteorite fall.



~~CONFIDENTIAL~~  
DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

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THE INSPECTOR GENERAL USAF  
19TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
FAIRFIELD-SUISUN AIR FORCE BASE, CALIFORNIA

19D OSI 24-6

24 February 1949

SUBJECT: PROJECT "SIGN"  
SPECIAL INQUIRY


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

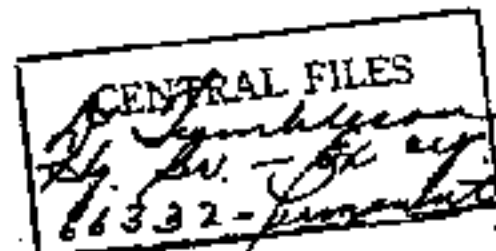
ATTENTION: Intelligence Department, MCLAKO

1. Reference is made to the report of Special Agent ARMIN F. HEROLD, JR., of this office, dated 20 January 1949.

2. Forwarded for your information and any action deemed appropriate is the final report of Special Agent ARMIN F. HEROLD, JR., of this office, dated 23 February 1949. With the submission of this report, all logical investigative leads have been covered and reported.

1 Incl  
Rpt of S/A ARMIN F. HEROLD, JR. District Commander  
dtd 20 Jan 49 (dup)

  
JOHN G. SWOPE  
Colonel, USAF  
District Commander



~~CONFIDENTIAL~~

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*Vertical handwritten notes on the right margin, including "MCLAKO" and "66332-".*

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**UNCLASSIFIED**

5D 21-4  
(24 Feb 49)

1st Ind

5D-CSI/CTE/244

Subj: PROJECT "SIGN" (SPECIAL INQUIRY)

5th District OSI, (IG), Wright-Patterson AFB, Dayton, Ohio, 8 Mar 49

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

Forwarded as a matter pertaining to your Command.

*John W. Farrell*  
JOHN W. FARRELL  
Major, USAF  
Acting District Commander

2 Incl  
n/c

*For information*

CONTROL NO. - 337	SUBJECT: 1st Ind Project SIGN (Special Inquiry, CONF.	DECIMAL FILE NO.	FOLLOW UP ON DATE
FROM: 5D-251	TO: 5D-251	DATED: 3-8-49	NO. INCL: 2
RECORDING DISK	DATE RECORDED: 3-8-49	HOUR: 0900	3000
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (Initials)	DATE
1. MCIAXO			
2.			
3.			
DATE OF REPLY	OTHER DISPOSITION: WF-1-7 DEC 68 125M 541 of 3		TRANSMITTAL AMC Form No. 18-2 (20 May 27) SEE OTHER SIDE FOR REMARKS

*Handwritten notes:*  
7/9/49  
11332-1-1-49

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

THE SECRETARY OF THE AIR FORCE  
ATTENTION: CHIEF OF STAFF  
WASHINGTON, D. C.

11 February 1948

File No: 24-3

SUBJECT: Unknown (Aerial Phenomena)

TO: Commanding Officer  
Highland Air Force Base  
Highland Field, Ill.  
ATTN: Inspector General

1. Reference is made to Report of Investigation, 11th District  
157, dated 7 February 1948, subject same and file number same as above,  
copies of which have been forwarded your headquarters.

2. Attached for your information are four (4) copies, Report of  
Investigation, this office, dated 7 February 1948, and four (4) copies  
Report of Investigation, this office, dated 11 February 1948, subject  
of each same as above.

3. It is requested that two (2) copies of each of the attached  
reports be forwarded to Headquarters Air Inspector General, which has  
been designated as the headquarters responsible for the coordination  
of this investigation.

4. This is a supplemental report. Investigation is continuing and  
further reports will be submitted your headquarters for your information  
and general guidance.

*W. M. ...*  
Acting District Commander

- 2 Encls
- 1. Rpt of Insp of Subj etc
- 2. Rpt of Insp of Subj etc
- 3. Rpt of Insp of Subj etc
- 11 Feb 1948

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KRFB 3653

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Basic: Ltr 17th Dist OSI, KAFB, to CO, KAFB, dtd 19 Feb 49, Subj:  
"Unknown (Aerial Phenomena)."

AG 1st Ind OLN:jb  
HEADQUARTERS, Kirtland AF Base, Kirtland Field, N. Mex., 21 Feb 49

TO : Commanding General, AWC, Wright-Patterson AF Base, Dayton, Ohio.

Forwarded for your information in connection with the report of investigation forwarded from this Headquarters on 14 December 1948 by 1st Ind to letter same subject as above.

FOR THE COMMANDING OFFICER:

*Oliver L. Noland*  
OLIVER L. NOLAND  
Captain, USAF  
Adjutant

2 Incls: n/c (1 cy w/d)

ORG FILE COPIES TO:	INITIALS
RECORDED COPY HQ 365-1000	<i>JS</i>
EXTRA COPY SERIALIZED	
VALUE PERMANENT	

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The writer set up a transit at the exact location from where Pfc [redacted] sighted the object and obtained the following readings:

- Location: 33° 56' North and 106° 05½' West (Holloman AFB)
- Object First Sighted: 38° Magnetic North and 11° elevation.
- Object Last Sighted: 75° Magnetic North and 3° elevation.

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6. Mr. [redacted], Alamogordo, New Mexico was interviewed on 8 February 1949. Mr. [redacted] advised that his position at the time of the sighting was approximately 3 miles South of Three Rivers, New Mexico, but that he was not positive inasmuch as a Mr. [redacted] Alamogordo, New Mexico, was in the car with him and UMPHRESS believed that they were not at Three Rivers when the object was sighted. The description of the object by [redacted] was that it was a longish object, green with a white flame in front. [redacted] added that he saw the object for about 15 seconds. An attempt was not made to take transit readings with Mr. [redacted] because of his indeterminate position at the time of his sightings. Other than the difference of the shape of the object, the description given by [redacted] concurred with the other description noted herein.

AT TULAROSA, NEW MEXICO

7. Sgt. [redacted], Holloman AFB, Alamogordo, New Mexico was interviewed on 1 February 1949 and made the following statement:

"On the 30th of January 1949 at approximately 1800 hours, while in the company of Mr. [redacted] of Boeing Aircraft, I observed an object that appeared to be traveling diagonally across in front of me, at an angle of 35 to 40 degrees above my normal line of sight. Its distance seemed very close and appeared to be traveling very slowly. The object was in my sight for approximately three or four seconds. The actions of said object during this time were as follows:

Gentle downward glide; bright burning (Green and yellowish light) a fizzling out and then a bright burning, and then appeared to die out. (This could have been the effects of its passing beyond my view).

My direction of travel was nearly due East, thus the object's direction was East-Southeast or Southeast. The weather at that time was clear and cold, no ground wind and no indications of upper winds. My location was West of Tularosa, New Mexico, beyond the railyards of the Southern Pacific Railroad."



HEADQUARTERS UNITED STATES AIR FORCE  
THE INSPECTOR GENERAL  
OFFICE OF SPECIAL INVESTIGATIONS

FILE NO.

24-8

DATE

11 February 1949

REPORT OF INVESTIGATION

REPORT MADE BY

PAUL L. SMITH

REPORT MADE AT

DC #17, Kirtland AFB

PERIOD

31 Jan, 1-5 Feb 1949

OFFICE OF ORIGIN

DC #17, Kirtland AFB

STATUS

RTR

TITLE

Aerial Phenomena

CHARACTER

Special Inquiry

REFERENCE

Telephone call from Hq 17th Dist OSI, Kirtland AFB, on 31 Jan 49

SYNOPSIS

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Acting on telephonic instructions received from DC #17, Kirtland AFB, Kirtland Field, New Mexico, on 31 January 1949, in which Mr. [redacted] JR., Administrative Supervisor, advised that a peculiar light or aerial phenomena had been observed at 1755 hours, 30 January 1949, in the vicinity of Walker AFB, Roswell, New Mexico, and that Sgt [redacted] a tower control operator of Walker AFB, be contacted for information. The following action was taken: A check with Police Department, Sheriff's Office, Municipal Airport, the Continental, Pioneer, and Charter Service Air Lines in Roswell, New Mexico, was made to determine if any of these agencies had received any reports pertaining to this phenomena. Results negative. Night persons who had witnessed this aerial phenomena were interviewed at Walker AFB, and grid coordinates with an engineer's transit reading of azimuths and elevations was taken at points of observation on Walker AFB. An almost house-to-house search was conducted East of Roswell by OSI and Dr. LINCOLN L. RAG of the University of New Mexico for all possible witnesses. This search extended throughout southeast New Mexico and West Texas. The search for additional information extended North of Roswell to Clovis, New Mexico, and South of Roswell to a point about fifteen miles South of Artesia, New Mexico. In Artesia, this questioning elicited the information that about the approximate date of the appearance of this meteor (interviewees could not recall the exact date), a noise resembling somewhat the sound made by the robot bombs utilized by Germany against England

DISTRIBUTION

DC, DC #17 (Action Copy)  
OSI Hq  
File

ACTION COPY FORWARDED TO

DC, DC #17, Kirtland AFB

FILE STAMP

APPROVED

DOYLE RUES  
Lt. Colonel, USAF  
DISTRICT COMMANDER

*246*

In 1944 was heard by two men. An aerial and ground search conducted in the vicinity of Lamesa, Texas, for physical evidence was negative. A report from a ten year old boy in Amherst, Texas, reporting a sound concomitant with the aerial phenomena, was obtained.

DETAILS:

1. A telephone call from Mr. CHARLES MASTRIPER, Administrative Supervisor, 30 #17, Kirtland AFB, Kirtland Field, New Mexico, on the morning of 31 January 1949, instructed this office to ascertain the azimuth, elevation, and direction of a peculiar light observed near Walker AFB at 1755 hours, 30 January 1949, by Sgt [REDACTED]

2. This is a joint report of Special Agents JACK E. WILLIAMS, LEWIS S. RICHETT, and the writer.

AT ROSWELL, NEW MEXICO

3. The Municipal Airport, Sheriff's Office, and Police Department of Roswell, New Mexico, were contacted on 31 January 1949 and advised that no report had been received in their agencies of an aerial phenomena the preceding day. The Continental, Pioneer, and Charter Service Air Lines stated on this date that no flares had been utilized by any of their personnel in or near Roswell.

AT WALKER AFB, ROSWELL, NEW MEXICO

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4. Sgt [REDACTED], AF [REDACTED] (MOS [REDACTED]; Sgt [REDACTED], AF [REDACTED] (MOS [REDACTED]; 3 Sgt [REDACTED], AF [REDACTED] (MOS [REDACTED]; Cpl [REDACTED], AF [REDACTED] (MOS [REDACTED]; and Pvt [REDACTED], AF [REDACTED] (MOS [REDACTED], all of 1900-4 AASB Detachment, Walker AFB, Sgt [REDACTED], [REDACTED] (MOS [REDACTED]; and [REDACTED], Special Agent of Office of Special Investigations, Walker AFB, Roswell, New Mexico, were interviewed on 31 January 1949 and the following facts obtained: On 30 January 1949 at 1755 hours, a blue-green light resembling a flare was observed travelling on a horizontal line. This light came out of the North headed South at an estimated altitude of 2,000 feet, moving slowly, and disappeared in the vicinity of 31 Walker Air Force Base. To some observers, this phenomena disappeared in its entirety while other statements mentioned a disappearance as a disintegration into a shower of smaller lighted fragments such as a shower of sparks. The only sound accompanying this object was heard by Sgt [REDACTED] who described it as a high pitched whining noise similar to that of a blowtorch. All of these observers sighted this light from a position West of it while facing East.

5. Obtaining the services of an engineer's transit, the following information was secured by taking a reading from points of observation:

First observed at 52° magnetic.  
Last observed at 37½° magnetic.  
Elevation of 22°.

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The following grid coordinates were secured:

- a. Center of Walker AFB: 104° 51' W  
33° 13' N
- b. Control Tower (reading from center of WAFB): 75' W  
3470' N
- c. Tennis Courts: 1125' W  
5650' N
- d. Base Theater: 1925' W  
5060' N

241 D

6. An interview with Cpl. [redacted], AF [redacted] (MOS [redacted]), 1900-4 AACS Detachment, Walker AFB, Roswell, New Mexico, on 1 February 1949, elicited information identical with the other observers.

7. On 2 February 1949, an attempt was made to contact any person who might have observed this phenomena from the East or facing West. This questioning continued for about forty (40) miles East of Roswell with negative results.

8. Special Agent RICKETT continued this search throughout Southeast New Mexico and West Texas from 1400 hours, 2 February 1949, to 2400 hours, 5 February 1949, in the company of Dr. LINCOLN LA PAZ of the University of New Mexico. All information obtained during this part of the investigation was retained by Dr. LA PAZ and will be incorporated into his report to OSI.

AT CLOVIS, NEW MEXICO

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9. Acting on information relayed to the OSI from a Major GOESBIE of Sandia Base stating the Sheriff at Clovis, New Mexico, had information pertaining to a meteor landing on a farm in the vicinity of Clovis, an attempt on 2 and 3 February 1949 to locate this farm in Clovis met with negative results. Questioning of persons and law enforcement agencies enroute to and in Clovis did not produce any information of a pertinent nature. The Sheriff at Clovis stated that he knew nothing of the meteor.

AT ROSWELL AND ARTESIA, NEW MEXICO

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10. On 4 February 1949, a search was conducted South of Roswell to a distance of approximately fifteen (15) miles South of Artesia, New Mexico, to determine if possible the extent of observation of this aerial phenomena. Mrs. [redacted], Artesia, New Mexico, was questioned as to a light observed by her, and it was ascertained that she had witnessed this phenomena. A noise resembling a racing motorcycle was heard in the vicinity of Artesia on or about 30 January 1949 about 0530 hours. The people hearing this noise stated its duration was about three (3) minutes. Mr. [redacted] and [redacted] Allen Oil Company, East Main Street, Artesia, New Mexico, stated they had been separated by a distance of about three (3) miles at this time and both heard the noise. No directions, altitude, or speed was obtained because of the difficulties of locating a sound in the air. Both observers stated

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positively that the sound was not emanating from an aircraft. When questioned as to the sound, [redacted] revealed the fact that as a soldier in the European Theater of Operations during the war, he had observed and heard many robot bombs (buzz bombs). According to [redacted] the sound he heard was somewhat like the noise produced by these bombs.

AT ARHERST, TEXAS


11. In accordance with instructions from Dr. LI PAZ on 8 February 1949, in Lamesa, Texas, a trip was made to Arherst, Texas, for the purpose of interviewing Lester [redacted] the ten (10) year old son of Mr. [redacted] President of the First National Bank, Arherst, Texas. An interview with this family confirmed the fact that young [redacted] had witnessed the aerial phenomena, with the added information that he had heard a rumbling noise emanating from it. The best description offered by this ten year old boy was its similarity to a short roll of thunder. No other member of this family had seen or heard anything out of the ordinary; this is explained by the fact that the boy was playing outdoors with his dog. No mention was made by [redacted] as to any peculiar actions on the part of this dog during the observation. [redacted] position when he observed this light was facing South. A highway running North and South is located about a mile and a half to the West of his home. No railroad was observed South of his home. Approximately thirty (30) other persons questioned in this small town had not seen or heard anything with the exception of Miss [redacted] Clerk, First National Bank, Arherst, Texas. Miss [redacted] stated that she was in a car heading South about twenty (20) miles North of Arherst on Highway 51 when she observed this red and blue light. Its direction at this time was South of her. An interrogation of Miss [redacted] elicited information identical to the description of the phenomena. Mr. and Mrs. [redacted] (parents of Miss [redacted]) were in the car, and also witnessed the light. No sound was heard by these persons.

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HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. 21-8	DATE 9 February 1949
TITLE  SPECIAL INQUIRY (Aerial Phenomena) 30 January 1949		REPORT MADE BY EDGAR J. BETHART	
		REPORT MADE AT DO #17, Kirtland AFB	
		PERIOD 31 January; 1, 2, 3, 4, 8 February 1949	
		OFFICE OF ORIGIN DO #17, Kirtland AFB	
		STATUS REFERRED UPON COMPLETION	
CHARACTER SPECIAL INQUIRY			
REFERENCE Telephonic request from Captain MELVIN NEFF, on 31 January 1949.			
SYNOPSIS  This investigation was requested by Captain MELVIN E. NEFF, 17th District OSI (IG) USAF. Seven (7) people were interviewed and six (6) readings were taken with a transit in an effort to locate the azimuth of the aerial phenomena.			
DISTRIBUTION  DO #17, Kirtland AFB 4 (Action Copy) OSI, Headquarters 2 File 2		ACTION COPY FORWARDED TO DO #17, Kirtland AFB	
		APPROVED  A. C. MURRELLE, II Captain, USAF Acting DISTRICT COMMANDER	
		FILE STAMP  24c	

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## DETAILS:

1. This investigation is predicated upon a telephonic request by Captain MELVIN E. NEFF, 17th District OSI (IG) USAF on 31 January 1949 to obtain all pertinent data in connection with an aerial phenomena seen in the vicinity of Alamogordo, New Mexico on 30 January 1949, at approximately 1800 hours.

2. On 1 February Major [REDACTED] Adjutant, Holloman AFB, Alamogordo, New Mexico advised that on 30 January 1949 at approximately 1800 hours, he sighted a single bright green object in an Easterly direction. [REDACTED] hesitated to estimate the altitude or distance of the object. [REDACTED] described the object as a bright green ball of flame traveling in a Southerly direction, without evidence of smoke or a trail of any kind. [REDACTED] advised that there were no clouds and that the object did not make any noise to his knowledge. [REDACTED] advised that the object seemed "to fizzle out" in the air.

3. On 2 February 1949, the writer set up a transit at the approximate location where Major [REDACTED] sighted the object and obtained the following readings:

Location: 33° 56' North and 106° 05½' West (Holloman AFB)

Object First Sighted: 55° Magnetic North and 3° elevation.

Object Last Sighted: 63° Magnetic North and 3½° elevation.

4. On 3 February 1949, at the Office of Special Investigations, Holloman AFB, the writer interviewed Mr. [REDACTED] electronics technician with Boeing Aircraft Company, Holloman AFB, who advised that on 30 January 1949 at approximately 1800 hours, while in the vicinity of Tularosa, New Mexico, and in the company of Sgt. [REDACTED], Holloman AFB, he saw a single, bright green ball of fire to the East. The ball of fire seemed to be traveling in a southerly direction. [REDACTED] believed the object to be at an elevation of about 15° but declined to make an estimate of his distance from the object. [REDACTED] advised that the ball was visible for approximately 10 seconds. [REDACTED] stated that there was no apparent exhaust to the object, nor were there any clouds in the sky. [REDACTED] stated that the object seemed to die out of its own accord and did not explode.

5. On 4 February 1949, Pfc [REDACTED], Weather Detachment, Holloman AFB, Alamogordo, New Mexico advised that he had seen a green ball of flame with a trail of some kind in an Easterly direction. [REDACTED] described the object as traveling in a Southerly direction and added that the object was visible to him for approximately 6 seconds. [REDACTED] described the object as being bright green and disappeared without an explosion but by merely seeming to burn out. [REDACTED] advised that there were no clouds and no apparent wind, and that the object was soundless.

8. On 1 February 1949, the writer set up a transit at the approximate location where Sgt. [redacted] sighted the object and obtained the following readings:

Location: 33° 04' North and 106° 02' West

Object First Sighted: 47° Magnetic North and 26½° elevation.

Object Last Sighted: 65° Magnetic North and 26° elevation.

AT WHITE SANDS NATIONAL MONUMENT, NEW MEXICO

9. On 3 February 1949, the writer, accompanied by Mrs. [redacted] [redacted], Alamogordo, New Mexico and Mrs. [redacted] [redacted], Alamogordo, New Mexico, attempted to locate in the White Sands National Monument the spot from which the object had been sighted on 30 January 1949, at approximately 1755 hours. Because of the many devious turns of the road, only an approximate location could be established. Through the use of a transit the following readings were obtained: Location 33° 49' North and 106° 13' West.

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a. Mr. [redacted]

First sighted object: 55° Magnetic North and 12° elevation.

Last sighted object: 60° Magnetic North and 10° elevation.

b. Mrs. [redacted]

First sighted object: 68° Magnetic North and 20° elevation.

Last sighted object: 80° Magnetic North and 19° elevation.

c. Mrs. [redacted]

First sighted object: 65° Magnetic North and 11° elevation

Last sighted object: 72° Magnetic North and 8° elevation.

All of the above concurred in the description of the object as being a single, bright burning green object, which was in view approximately 3 seconds. Body had a gentle downward glide and seemed to fizzle out with the light becoming less intense and finally disappearing altogether. Angle of elevation was estimated above with transit and none would venture a guess as to the distance of the object. Original statements were to the effect that object appeared to be between the Base and the White Sands, located to the West of the Base.

- REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN -

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**CROSS REFERENCE  
AND SUSPENSE RECORD**

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**FILE UNDER NO:** 333.5 Investigations

**DATE:** 2-9-49

**FROM:** MCIAXO-3

**TO:** Secretary of AF Wash 25, D.C.

**SUBJECT:** Transmittal of Photograph

**DOCUMENT FILED UNDER:** 062 Photograph

~~CONFIDENTIAL~~

**SUSPENSE RECORD**

DATE	FOR ATTENTION OF	DATE	FOR ATTENTION OF

**ACTION TO BE TAKEN ON SUSPENSE DATE**

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AIR INSPECTOR

VCLAXS/LST/mak

FEB 9 1949

VCLAXS

PUBLIC INF. OFFICE

**SUBJECT:** Project Status Report on Project "Sign"

COMPTROLLER

**TO:** Chief of Staff  
United States Air Force  
Washington 25, D. C.  
**ATTN:** AFARD

PERSONNEL & ADM.

In accordance with an established procedure of this Department the following project status report is submitted to your office.

RESEARCH & DEV.

a. Activity with respect to Project "Sign" has included a technical review of additional reported incidents, further efforts to analyze previously reported incidents and compilation of a current status report, which is about half completed.

INTELLIGENCE

b. By direction of higher authority, factual data and possible hypotheses, concerning some of the reported incidents, were supplied to Mr. Shallett, journalist, to serve as the basis for an article to be published by the Saturday Evening Post. No conclusions, concerning any of the reported incidents were provided.

*WRC*

SUPPLY AND MAINT.

c. In reply to a request for information, concerning the occurrence of unidentified aerial lights in the region of New Mexico, the 1-2 Section of the Fourth Army, Headquarters, Fort Sam Houston, Texas was informed that no plausible explanation for this phenomenon has yet been developed.

PROC. & IND. MOB. PLNG.

d. A conference was held 2 February 1949, between Colonel Maxwell, Assistant Chief, Power Plant Laboratory and Air Force Project Officer of the WPA Project, and the project engineer for Project "Sign", relating to the probable technical limitations of atomic powered propulsion, as a concept, in the present early state of knowledge and development of the subject. The possibility that some of the reported incidents may have represented atomic powered craft was discussed. This possibility was considered to be highly improbable.

OTHER

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AIR INSPECTOR

Ltr to Chief of Staff, Washington 25, D. C. Attn: AFIRD, subj: Project Status Report on Project "Sign"

PUBLIC INF. OFFICE

e. Further incidents, that have been reported, have brought the total number of observations of unidentified aerial objects within the United States to 243. Incidents, reported from foreign nations, have reached a total of approximately 30.

COMPTROLLER

f. No new types of unidentified aerial objects have been reported. All individual sightings fall within the previously described groups of:

PERSONNEL & ADM.

- (1) Flying Disks
- (2) Flying Saucelages
- (3) Round-shaped Objects
- (4) Balls of Light

FOR THE COMMANDING GENERAL:

*W. R. Clingenman*  
 for H. M. MOODY *Ret. USAF*  
 Colonel, USAF  
 Chief, Intelligence Department

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOB. PLNG.

OTHER

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**NAVY DEPARTMENT**

**OFFICE OF THE CHIEF OF NAVAL OPERATIONS**

**WASHINGTON 25, D. C.**

Op-3227

P16-3/QH

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Serial 0187732

00

3 FEB 1949

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2-1-49  
1-1-49

From: Chief of Naval Intelligence.  
To: Director of Intelligence, U.S. Air Force.  
Air Intelligence Requirements Division,  
Attn: Collection Branch.

SUBJECT: Report on Flying Discs.

Reference: (a) DI/USAF Conf ltr AFOIR-CO-5 dtd 14 Oct 48.

Enclosure: (A) DIO 13ND Conf ltr Serial 0349-C/C dtd 25 Jan 49,  
with enclosure attached thereto.

1. Enclosure (A) is forwarded herewith as a matter of interest to your office in compliance with reference (a).

R. H. RODGERS  
By direction



*m. Kasper receive  
document by the  
document 4/19*

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2-52

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B/L fm MD, CNO, dtd 8 Feb 49, subj: Report on Flying Discs

AFOIR-CO-14 (L-2-82)

1st Ind

16 FEB 1949

Dept. of the Air Force, Hq. USAF, Washington 25, D. C.

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

ATTN: MCI

*JAM*

WEM

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2-2

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DIO/13ND/JACKET  
Serial 0349-3/G

~~CONFIDENTIAL~~

25 January 1949

From: District Intelligence Officer, THIRTEENTH Naval District.  
To: Chief of Naval Intelligence, Navy Department, Washington 25, D. C.  
Subject: "Flying Discs".  
Ref: (a) CNO Conf ltr Op-322V P16-3/QN ser 04422732 of 4 Nov 48.  
Encl: (A) Copy of newspaper clipping "PORTLAND OREGONIAN" 24 Jan 49.

1. Enclosure (A) is forwarded for information.

A. E. JARPELL

*M. R. ...  
By ...  
Cy - 66554*

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C-C-P-Y

Encl. (A)

221

UNCLASSIFIED

"PORTLAND OREGONIAN"  
January 24, 1949

'SAUCER' VIEWED NEAR TILLAMOOK

TILLAMOOK, Jan. 24 (Special - The flying saucers are back.

Mr. and Mrs. Burt Leckington, driving south on highway 101 at 11:05 a.m. Sunday, saw a silvery object in the sky above them at an elevation of about 2000 feet, they reported.

Mrs. Leckington first discovered the object about one quarter mile southeast of Pleasant Valley. She called her husband's attention to it and they watched it as they drove slowly to the store at Pleasant Valley.

There the store operator, Allen Hughes, went with Leckington to observe it, but by that time it had disappeared. A check of the airport here indicated that a yellow plane was the only one in the air at the time.

Mrs. Leckington described the object as round and silver. She said she could not tell whether it was moving.

SEARCHED  
SERIALIZED  
INDEXED  
FILED  
Mr. Rogers - for Mr.  
Gunn - for Mr. C  
66332

UNCLASSIFIED

C-O-P-Y

UNCLASSIFIED

WRIGHT-PATTERSON FLIGHT SERVICE CENTER  
WRIGHT-PATTERSON AIR FORCE BASE  
DAYTON, OHIO

70734

7 February 1949

BT 5007: Report of Unidentified Flying Object

TO: Commanding General  
Air Materiel Command  
Wright-Patterson A. Base, Ohio  
ATTN: 10140-3

The following report of an unidentified flying object is submitted in compliance with Flight Service Regulation 200-1.

a. LOCATION AND TIME OF SIGHTING: Godman AFB, Ft Knox, Kentucky, 02500, 7 February 1949.

b. WEATHER AT THE TIME:

(1) 02500 Weather: Clear 10 miles visibility, 31.35 MB, temperature 31, dew point 29, wind 030 at 7, Kollsman Setting 29.99.

(2) 03500 Weather: Clear 10 miles visibility, 31.39 MB, temperature 29, dew point 26, wind 030 at 7, Kollsman Setting 29.01.

c. NAMES, POSITIONS, AND ADDRESSES OF WITNESSES:

*LEAVE* (1) Sgt [redacted] Tower Operator, Ft Knox, Kentucky.

(2) SFC [redacted] ~~Observer~~ *TOWER OPERATOR*, Ft Knox, Kentucky.

(3) SFC [redacted] Weather Observer, Ft Knox, Kentucky.

*LEAVE* (4) SFC [redacted] occupation unknown, Ft Knox, Kentucky.

d. PHOTOGRAPHS OF OBJECTS, IF AVAILABLE: None available.

e. METHODS OF VISUAL OR AUDIO COMMUNICATION: None.

*E/P BC*

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7 FEB 1949

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7 Feb 49

Subject: Report of Unidentified Flying Object

f. OBJECT SIGHTED:

- (1) NUMBER: One.
- (2) SHAPE: No report.
- (3) SIZE: No report.
- (4) COLOR: Bright green, yellow, red.
- (5) SPEED: Unknown.
- (6) HEADING: SW from Godman Field.
- (7) MANEUVERABILITY: Object appeared to be rotating.
- (8) ALTITUDE: Horizontal angle  $242.5^\circ$ , vertical angle  $03.6^\circ$ .
- (9) SOUND: No report.
- (10) EXHAUST TRAIL OR NOT: None.

g. GENERAL REMARKS:

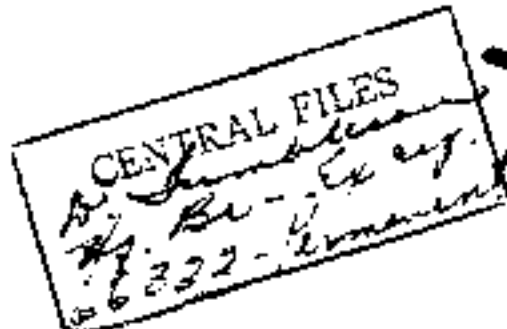
- (1) At 0250E, bright object sighted SW of Ft Knox, Kentucky by weather observers. Traced on Theodolite. Object appeared to be rotating with green, yellow and red colors. The object was getting dimmer as time passed.
- (2) At 0310E, object disappeared in SW completely after a series of bright flashes.

Copy Furnished:

- 1 - Chief of Staff, USAF,  
ATTN: Director of  
Intelligence
- 1 - Commander MATS, ATTN:  
Chief Intelligence Divn
- 1 - CC Flight Service, ATTN: A-2

*Clark L. Miller*

CLARK L. MILLER  
Lt Colonel, USAF  
Commanding



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OFFICE SYMBOL AND  
FULL SIGNATURE IN  
APPROPRIATE BLOCK  
CO. CO OR DEPUTY

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Subject: Report of Unidentified Flying Object

AMC

1st Ind

MCLAXO-3/GWT/aw

AIR INSPECTOR

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

FEB 9 1949

TO: Commanding Officer, 2236th AF Reserve Training Center, Godman Air Force Base, Ft Knox, Kentucky

PUBLIC INF. OFFICER

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOG.  
PLNG.

OTHER

1. It is requested Base Intelligence Officer interview and obtain detailed signed statements from all available witnesses to the sighting reported in basis letter.

2. It is particularly desired that all theodolite readings taken during the tracking be obtained.

3. Four (4) copies of "Guide to Investigation" are inclosed as an aid to the interviewing officer in recording desired data.

4. All collected data should be directed to the Commanding General, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, Attn: MCLAXO-3.

FOR THE COMMANDING GENERAL:

1 Incl *very attached*  
L. 4 cys of  
"Guide to Investiga-  
tion"

*W. H. McCody*  
R. H. McCODY  
Colonel, USAF  
Chief, Intelligence Department

3

\*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK

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Subject: Report of Unidentified Flying Object

AMC

1st Ind

MCLAXO-3/GWT/aw

Hq AMC, Wright-Patterson Air Force Base, Dayton, Ohio FEB 9 1949

TO: Commanding Officer, 2236th AF Reserve Training Center, Godman Air Force Base, Ft Knox, Kentucky

1. It is requested Base Intelligence Officer interview and obtain detailed signed statements from all available witnesses to the sighting reported in basic letter.
2. It is particularly desired that all theodolite readings taken during the tracking be obtained.
3. Four (4) copies of "Guide to Investigation" are inclosed as an aid to the interviewing officer in recording desired data.
4. All collected data should be directed to the Commanding General, Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, Attn: MCLAXO-3.

FOR THE COMMANDING GENERAL:

- 1 Incl  
 1. 4 cys of  
 "Guide to Investigation"

*J. M. McCoy*  
 E. M. McCoy  
 Colonel, USAF  
 Chief, Intelligence Department

GDLD 333.5

2nd Ind

Hq-2236th AF Res Tng Center, Godman AF Base, Ft Knox, Ky, 1 Mar 49

TO: Commanding General, Hq, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio, Attn: MCLAXO-3.

1. In compliance with 1st Ind, the witnesses concerned were interviewed by the Base Intelligence Officer, and signed statements were obtained as inclosed herewith as Exhibits "A", "B", "C" and "D".
2. The "Guide to Investigation" has been completed as accurately as possible and inclosed herewith as Exhibit "E".

CENTRAL FILES  
*By [Signature]*  
 2582 - [Signature]

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GOLD 333.5 (1 Mar 49)

SUBJECT: Report of Unidentified Flying Object

3. The object observed, is believed by the Base Intelligence Officer to be the star Sirius. This star will appear in the southern horizon during the time indicated and is usually bright due to it's extreme heat and closeness to the earth. Sirius is relatively small and will appear to change color as most stars do when at an altitude of less than ten (10) degrees above the horizon. Observing a star through binoculars will increase the color effect. The fact that the object disappeared instantly can be accounted for when at such a low elevation.

4. Only one theodolite reading was taken as shown in Exhibit "E".

FOR THE COMMANDING OFFICER:

H. T. LAMPTON  
WOJG, USAF  
Adjutant

5 Incls

Added 4 incls

*EXP*  
*60*

- 2. Statement of Sgt [REDACTED]  
(Ex "A") (in trip)
- 3. Statement of Pfc [REDACTED]  
(Ex "B") (in trip)
- 4. Statement of Cpl [REDACTED]  
(Ex "C") (in trip)
- 5. Statement of Cpl [REDACTED]  
(Ex "D") (in trip)

FILED	INITIALS

GENERAL FILES-  
*M. J. ...*  
*66332 ...*

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245 67

~~RESTRICTED~~  
RESTRICTED

G.I. INVESTIGATOR

UNIDENTIFIED AERIAL OBJECTS

Incident No. \_\_\_\_\_

1. Date of Observation \_\_\_\_\_ Date of Interview \_\_\_\_\_
2. Exact time of observation (local) \_\_\_\_\_
3. Place of Observation :  
(Map Coordinates)
4. Position of observer (air, car, bldg, location of - give details:
5. What attracted attention to object:
6. Number of objects and sketch of formation or grouping:
7. Apparent size (compare to known object, i. e., sun, moon, thumb or fist at arms length):
8. Color of object:
9. Shape (give graphic description - compare with known object):
10. Altitude (Angle of elevation above horizon -  $0^{\circ}$  at horizon,  $90^{\circ}$  overhead):
11. Direction from observer (Angle clockwise from North):
12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be):
13. Direction of flight of object (s):
14. Time in sight:
15. Speed (time to cover given angular distance):
16. Sound and odor:

**RESTRICTED**

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Page 2  
Guide to Investigation

Incident No. \_\_\_\_\_

17. Trail (color, length, width, persistence, etc.)
18. Luminosity (visible by reflection, incandescence, other - degree of brilliance):
19. Projections (fins, wings, rods, antennae, canopies, etc.):
20. Maneuvers (turns, climbs, dives, etc - sketch of flight path):
21. Manner of disappearance:
22. Effect on clouds:
23. Additional information concerning object:
24. Weather conditions and light at time of sighting:

Name and address of observer:

Occupation and hobbies:

Comments of Interrogator relative to intelligence and character of observer  
(Check neighbors, police dept., FBI records, employer, etc.):

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?

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Relative to Radar Sightings

1. Re radars now operating on ground
  - a. Observations of direction, range, speed, altitude and size of target:
  - b. Did target execute any turns? If so, what angle (180°), etc. and what radius of turn. If radius of turn was not observable, how long did the target stay in the turn and what was its speed:
  - c. Note particularly any separation of distant target into several targets upon approach:
  - d. Was radar blip on cathode ray tube well defined and consistent with size of object; faint; fading, pulsating at regular rate:
  - e. Did radar echo signal disappear suddenly or gradually?
2. If airborne, when object was sighted
  - a. Were there any radar indications or extra noise on radio circuits:
  - b. Give estimates of size, speed, maneuvers, etc.:

GENERAL

1. Teletype sequences of local weather conditions:
2. Winds aloft report:

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3. Local flight schedules of commercial, private and military aircraft flying in vicinity at the time:  
(Check Canadian activity if close to border)
  
4. Possible releases of testing devices in vicinity sent aloft by Ordnance Navy, Air Force, Army, Weather Units, Research Organizations or any other:
  
5. If object contacted earth, obtain soil samples within and without depression or spot where object landed for purposes of making comparison of soils.
  
6. Obtain photographs (or original negatives) where available; if not, secure sketches of:
  - a. Object
  - b. Surrounding terrain where object was observed
  - c. Place where object contacted earth (if this happened)
  - d. Maneuvers
  - e. Formation (if more than two)
  
7. Secure signed statements.
  
8. Obtain fragments or physical evidence where possible.

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17th DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

ACM/MEN/web  
2 February 1949

File No: 24-8

SUBJECT: Unknown (Aerial Phenomena)

TO: Commanding Officer  
Kirtland Air Force Base  
Kirtland Field, N. M.

1. Reference is made to Reports of Investigation, this office, dated 13 December 1948, 17 December 1948, 23 December 1948, 4 January 1949 and 1 February 1949, Subjects and file number as above.

2. Attached for your information are four (4) copies of Report of Investigation, this office, file and Subject as above, dated 1 February 1949. It is requested that two copies of inclosed report be forwarded Headquarters Air Material Command, which has been designated as the headquarters responsible for the coordination of this investigation.

3. Investigation to date has not produced any positive information as to the nature or source of these manifestations. The most recent phenomena occurred at 1755 hours, 31 January 1949, and was sighted from Los Alamos, Albuquerque, Alamogordo, Roswell and El Paso.

4. This is a supplemental report. Investigation is continuing and subsequent reports will be submitted as more facts are uncovered.



A. C. MURRELLE II  
Captain, USAF  
Acting District Commander

*McAughlin 11-2-49  
Kirtland AFB*

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KAFB 3631



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Basic: Ltr fr 17th Dist OSI, KAFB, to CO, KAFB, dtd 2 Feb 49, Subj:  
"Unknown (Aerial Phenomena)."

AG 1st Ind OMM:jb  
HEADQUARTERS, Kirtland AF Base, Kirtland Field, N. Mex., 4 Feb 1949.

TO : Commanding General, AMC, Wright-Patterson AFB, Dayton, Ohio.

Forwarded for your information in connection with the report of investigation forwarded from this Headquarters on 14 December 1948 by 1st Ind to letter same subject as above.

FOR THE COMMANDING OFFICER:

*Oliver W. Noland*  
OLIVER W. NOLAND  
Captain, USAF  
Adjutant

1 Incl: n/c (1 cy w/d)

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242  
KAFB 5631

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17th DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

DR/afw  
13 December 1948

SUBJECT: UNKNOWN (Aerial Phenomenon)

TO: Commanding Officer  
Kirtland Air Force Base  
Kirtland Field, New Mexico

1. The attached report is forwarded as a matter of information and whatever action the Commanding Officer may deem advisable.

2. It is recommended that two (2) copies of the enclosed report be forwarded by the most expeditious means to the Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, Ohio.



BOYLE REES  
Lt Col, USAF  
District Commander

1 Incl:  
Rpt of Invest re subj

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UNCLASSIFIED

KAFB 3557

~~UNCLASSIFIED~~

BASIC: Ltr fr 17th Dist OSI, KAFB, to CO, KAFB, dtd 13 Dec 48  
Subj: Unknown (Aerial Phenomenon)

CO 1st Ind HAG:rt  
HEADQUARTERS, Kirtland Air Force Base, Kirtland Field, N. Mex., 14 Dec 48

TO: Commanding General, AMC, Wright-Patterson AF Base, Dayton, Ohio

1. Basic communication and inclosures (renumbered) forwarded for your information and for such action as you deem necessary.

2. Attention is particularly invited to the report of Dr. Lincoln La Paz, Inclosure No. 2, and to his letter to the District Commanding Officer of Office of Special Investigations, dated 13 December 1948, Inclosure No. 3.

3. The undersigned concurs in the recommendations enumerated in Paragraph 4 of Inclosure No. 3; we are locally placing into effect the first and second recommendations enumerated therein.

*Harold A. Gunn*  
HAROLD A. GUNN  
Colonel, USAF  
Commanding

- 3 Incls:
- 1-Rpt of Investigation # 24-8 (12 pgs)
- 2-Incl 1 to Rpt #24-8 (3 Pgs)
- 3-Incl letter fr Dr. LaFaz to CO 17th Dist OSI dtd 13 Dec 48 (2 pgs)

35019

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21-40

KAFB 3557

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DEC 22 1962  
TSAGDS-NO. 11

RECEIVED  
DEC 21 1962  
AIR SERVICE COMMAND

RECEIVED  
DEC 21 1962  
AIR SERVICE COMMAND

16:14

DEC 21 1962

DEC 21 1962

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DEC 21 1962  
AIR SERVICE COMMAND


HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>	FILE NO.	DATE
	REPORT MADE BY	
	REPORT MADE AT	
	PERIOD	
	OFFICE OF ORIGIN	
TITLE	STATUS	

CHARACTER

REFERENCE  
Telephonic instructions from District Office 17, OSI, New Orleans, MS 21 January 1949

SYNOPSIS

Investigation requested by the District Commander, 17th District OSI (MS), New Orleans, MS, New Orleans, Louisiana Field, New Orleans, at approximately 1700 hours, 30 January 1949, a green fireball was sighted by the control tower operators at Biggs AFB and the Municipal Airport, El Paso, Texas on a true bearing of approximately 50 degrees from the towers. The fireball was travelling approximately 4 degrees above the horizon in a northwest to southeasterly direction. After travelling approximately 7 degrees on the compass rose it broke into several pieces and disappeared.

DISTRIBUTION 10, New Orleans MS (action copies) 10, OSI 10, MS	ACTION COPY FORWARDED TO Commanding Officer New Orleans Air Force Base New Orleans, Louisiana	FILE STAMP
	APPROVED  J. AMELLE, II Captain, USAF 1st Lt, DISTRICT COMMANDER	

## DETAILS:

1. This investigation predicated by a telephonic request from the District Commander, 17th District OSI (IG), Kirtland AFB, Kirtland Field, New Mexico on 31 January 1949.

AT BIGGS AFB, TEXAS

2. On 31 January 1949 S Sgt [REDACTED] [REDACTED] 1900th AACS Sqdn, Biggs AFB and Pfc [REDACTED] [REDACTED] 1900th AACS Sqdn, Biggs AFB were interviewed relative to the Green Fireball they had seen on 30 January 1949 from the Control Tower, Biggs AFB, where they were on duty as Operators. They stated that between 1751 and 1754, 30 January 1949, they saw a green ball of fire on the horizon on a True Bearing of approximately 55 degrees from the Biggs Tower (Coordinates: 31-50N 106-23W). This ball of fire was approximately 3 to 5 degrees above the horizon travelling in a northwest to southeasterly direction. They stated that the ball of fire lost no altitude during its travel and at the end of travel it enlarged slightly, then disappeared quickly.

3. The reporting agent accompanied by the above named enlisted men took a transit to the control tower at Biggs AFB and with the aid of the above named men determined that the Green Fireball was first sighted at a true bearing of 55 degrees, and continued travel to a true bearing of 60 degrees. The elevation was determined to be 4 degrees above the horizon. Due to the fact that the time of the incident was just prior to nightfall the enlisted men could not be definitely sure of the exact locations. When asked if they knew of anyone else who had seen the Green Fireball, they stated that a Lt [REDACTED] 3310th Technical Training Wing, Scott Air Force Base, Scott Field, Illinois, and the tower operators at the El Paso Municipal Airport, had also seen it.

4. In an attempt to locate Lt [REDACTED] it was learned that he had returned to his home station.

5. On 31 January 1949, Mr. [REDACTED] El Paso, Texas, Mr. [REDACTED] El Paso, Texas, and Mr. [REDACTED] Street, El Paso, Texas, who are control tower operators at the El Paso Municipal Airport, were interviewed relative to the Green Fireball seen by them on 30 January 1949.

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DETAILS: (Continued)

They stated that they had seen a Green Fireball near the horizon at about 1800 on 30 January 1949. It commenced on a true bearing of approximately 45 degrees and ended on a bearing of approximately 50 degrees. It was above the horizon at approximately 4 degrees. The coordinates of the tower at the Municipal Airport, El Paso, Texas are 31-53N 106-24W. It was stated that the Fireball descended on approximately a 15 degree incline, then levelled off, gained momentum and broke into several pieces. As it broke up, it disappeared.

**NOTE:** In all cases during the interviews it was noted by the reporting agent that the people involved could not be specific as to their observations or descriptions either because of the lack of interest or failure to observe the incident very closely.

PENDING

UNCLASSIFIED

HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. <b>24-8</b>	DATE <b>13 Dec 48</b>
TITLE  <b>UNKNOWN</b>  <b>(Aerial Phenomena)</b>		REPORT MADE BY <b>CHARLES KAFFZIGER, Jr.</b>	REPORT MADE AT <b>DO #17, Kirtland AFB</b>
		PERIOD <b>6 - 9 December 1948</b>	OFFICE OF ORIGIN <b>DO #17, Kirtland AFB</b>
CHARACTER <b>SPECIAL INQUIRY</b>		STATUS <b>PENDING</b>	
REFERENCE <b>None, this is an initial report.</b>			
SYNOPSIS  Investigation requested by District Commander, 17th District OSI.  Telephonic report received from Security Officer at Kirtland Air Force Base, Kirtland Field, New Mexico, on 6 December 1948, advised that an Air Force Pilot had observed an unidentified object similar to a green flare on 5 December 1948, at 2105 hours, west of Las Vegas, New Mexico, and again at 2127 hours on the east slope of the Sandia Mountains near Albuquerque, New Mexico. A commercial pilot reported a similar incident at 2135 hours west of Las Vegas, New Mexico.  Pilot of G-47, AM-9921, is identified as Captain [REDACTED]. Captain Pilot of Pioneer Flight No. 63 is identified as Mr. [REDACTED].  New Mexico State Police, Santa Fe, New Mexico, were contacted and had no information to offer reference unusual aerial phenomena.  Mr. E. D. FLOCK, Forest Supervisor, Santa Fe National Forest, Santa Fe, New Mexico, stated he has received no reports of incidents of this type during the current year. However, in the summer of 1947 a Mrs. [REDACTED] had made numerous reports to him concerning unusual aerial manifestations in the area from Tierra Amarilla to Los Alamos, New Mexico.			
DISTRIBUTION	ACTION COPY FORWARDED TO	FILE STAMP	
CO, KAFB (Action Copy) (1 Incl) 4	CO, Kirtland AF Base		
OSI, HQ (1 Incl) 2			
10th District OSI (1 Incl) 2			
Holloman AFB Det (1 Incl) 1			
Walker AFB Det (1 Incl)			
File 2	APPROVED  DOYLE REES Lt. Colonel USAF DISTRICT COMMANDER		



SYNOPSIS (Continued)

Chief [REDACTED], Chief of Police, Las Vegas, New Mexico, stated he had received no prior reports of unusual occurrences of this type.

Patrolman [REDACTED], New Mexico State Police, Las Vegas, New Mexico, stated he had heard a rumor concerning aerial flares in the neighborhood of Las Vegas.

Mrs. [REDACTED], Office Manager, Las Vegas Flying Service, Las Vegas, New Mexico, stated no night flying conducted from Watson Airport, Las Vegas, and she had heard no rumors concerning aerial flares.

Mr. [REDACTED], Chief Aircraft Communicator, CAA Municipal Airport, Las Vegas, New Mexico, stated he had heard of no incident of this nature and, in particular, had received no information from any aircraft on 5 December 1948.

Mr. [REDACTED], Mr. E. C. FRANCIS, Mr. G. T. RICH, and Mr. ROY V. FOLLIVER, Aircraft Communicators, CAA, Las Vegas, New Mexico, all stated no previous reports or knowledge of unusual aerial phenomena. These individuals were alerted to report future incidents to the proper investigative agency.

Mr. [REDACTED], Manager Pioneer Air Lines, Las Vegas, New Mexico, stated he had heard only a rumor from one of his pilots and knew of no unusual incidents regarding flares or lights in the Las Vegas area. Mr. WATSON stated he would report future incidents to Mr. MILLER of CAA.

Mr. [REDACTED], Ranger, Las Vegas, New Mexico, stated he had no knowledge of any incidents of this type and will submit any future reports to Mr. FLOCK in Santa Fe.

Special Agents [REDACTED] observed an intense green light in the sky at approximately 13,500 feet altitude near Las Vegas, New Mexico, on 8 December 1948. Agents were unable to identify this object and could not estimate distance or size, since no other object was visible on which to base the comparison.

Col. [REDACTED] stated he has observed an unusual phenomena, bright, white in color, similar to a miniature sun somewhat larger, larger than a basketball, on three (3) different occasions in the vicinity of Vaughn, New Mexico. First observation was made late in 1947; second observation on 3 or 4 November 1948; third observation on 25 November 1948.

Dr. LINCOLN LA PAZ, Director, Institute of Meteoritics, University of New Mexico, stated that phenomena being investigated could not be explained by him, nor could they be considered as meteors. Dr. LA PAZ

RECORD

SYNOPSIS (Continued)

mentioned three (3) previous anomalous incidents, the Memphis, Tennessee, incident of 7 May 1948; the Texas Observers' incident of 1948, 7 January, and the very remarkable "fireball" fall of 1948, 21 May, 3:42 a.m., MST, across the Las Alamos reservation which was probably meteoritic, but from which no meteorites have been secured in spite of careful search. Dr. LINCOLN LA PAI personally witnessed the occurrence of a similar incident on 12 December 1948, at Las Vegas, N. M. A statement by Dr. La Pai is inclosed.

Col. [REDACTED] Base Commanding Officer, Kirtland Air Force Base, Kirtland Field, New Mexico, advised that he knew of no maneuvers being conducted within this area.

Major [REDACTED], 4th Army Intelligence Liaison, Sandia Base, Albuquerque, New Mexico, advised that he knew of no maneuvers being conducted within this area.

Mr. [REDACTED] ESO security, Sandia Base, observed a green flare directly over Sandia Base at 2255 hours, 6 December 1948.

UNCLASSIFIED

DETAILS:

AT ALBUQUERQUE, NEW MEXICO

1. This investigation predicated upon verbal request District Commander, 17th District Office of Special Investigations (IG) USAF, Kirtland Air Force Base, Kirtland Field, New Mexico.

2. This is a joint investigation of Special Agents JOHN F. SEAKL, Jr., ERNEST E. MURPHY, MELVIN E. KEET, and the writer.

3. On 6 December 1948, Captain [REDACTED] Security Officer, Kirtland Air Force Base, Kirtland Field, New Mexico, reported the following incidents:

At 2130 hours, 5 December 1948, a C-47, Number AF-9921, enroute from Lowry Air Force Base, Denver, Colorado, to Williams Air Force Base, Chandler, Arizona, reported his position to the Control Tower, Kirtland Air Force Base, as being approximately ten (10) miles east of Albuquerque. Pilot stated that he had seen a green flare arise from the ground to an altitude of approximately five hundred (500) feet on the east slope of the Sandia Mountains. This incident occurred at about 2127 hours. Pilot stated that he had seen the same type of flare at approximately 2105 hours just west of Las Vegas, New Mexico. No other information was offered by this pilot.

At 2300 hours, 5 December 1948, the Control Tower, Kirtland Air Force Base, contacted Pioneer Air Flight #63, which had just completed a flight from Tucuman, New Mexico, to Las Vegas, to Santa Fe, to Albuquerque, New Mexico. Captain of this flight stated he had seen a green light just west of Las Vegas at approximately 2135 hours. Pilot stated he had believed the light to be a shooting star at first, but, upon questioning, stated the opinion that the light was too near the ground to have been a shooting star. Pilot suggested that the light could have been a Very Pistol flare.

At 2320 hours, 5 December 1948, Captain [REDACTED] pilot of Pioneer Flight #63, reported by telephone to Kirtland Air Force Base Control Tower, stating that when he first saw the light it appeared to be coming straight toward his airplane and added that he had attempted to jerk the airplane from its course to avoid the light. [REDACTED] said that the light appeared to be coming straight to the ship, then trailed off to the ground. The light was pale green and had a pale green trail. Captain [REDACTED] said he was hesitant about reporting such incidents since they are generally not accepted.

4. On 6 December 1948, [REDACTED], Captain and Pilot, [REDACTED] Co-pilot, and [REDACTED] Flight Sergeant, all

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FBI - ALBUQUERQUE

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~~CONFIDENTIAL~~

civilians, Pioneer Flight #63, were interviewed by S/A MELVIN E. NEFF. This interview was conducted at Pioneer Airline Operations, Kirtland Air Force Base, Kirtland Field, New Mexico. [redacted] and [redacted] advised that at 2135 hours, 5 December 1945, they were approaching Las Vegas, New Mexico, in a C-47 type airplane at an altitude of 9,000 feet, with a compass heading of 272 degrees. They observed directly ahead and slightly above their altitude, in the vicinity of the Montezuma Mission, a phenomenon which first appeared as a bright white flash, then an object came into view which was described as being a whitish, orange color. This object at first appeared to be coming directly toward their airplane, then arched downward and disappeared from sight. This object was in view for only a few seconds and no estimate could be made of the size or distance of the object. Both [redacted] and [redacted] were of the opinion that it would have been impossible for anyone in the passenger compartment to have observed this phenomenon. Miss [redacted] stated that she did not observe this object and added that to the best of her knowledge all of the passengers were asleep.

*974  
Hc*

NOTE: It is to be noted that there is a discrepancy in the color of Capt. [redacted] initial report and that obtained by interview.

5. On 9 December 1945, Colonel [redacted], Infantry, Civilian Component Affairs Officer, New Mexico Military District, was interviewed in his office, Building 3-25, Kirtland Air Force Base, Kirtland Field, New Mexico. This interview was conducted by S/A JOHN J. STAHL, Jr., S/A MELVIN E. NEFF, and the writer. Colonel HAYES advised that he had first observed an unusual aerial phenomenon during the latter part of 1947. This occurred in the vicinity of Vaughn, New Mexico. The phenomenon appeared to be approximately four or five hundred feet above the ground when first observed and descending slowly and steadily in a vertical manner toward the earth. The object appeared to be slightly larger than a basketball, bright white in color, like a miniature sun. Upon reaching a point approximately two hundred feet above the surface of the earth, the object appeared to explode although no noise was apparent. Colonel [redacted] stopped his automobile and got out to watch the object. At this time the explosion, or disintegration, appeared to be taking place some forty to sixty yards distant, and still no noise was noticed. At this time the fragments assumed a fiery red color and descended toward earth like numerous sparks, being extinguished before touching the ground. Colonel HAYES stated that he was on Highway #60 at this time, near a railroad and separated from the vicinity where the fragments were landing by a fence. Colonel HAYES did not cross the fence or investigate further.

6. Colonel [redacted] advised that on either 1 or 4 November 1945, and again on 23 November 1945, he observed two similar phenomena as described previously. These observations were in the same vicinity of the original phenomenon on Highway #60, near Vaughn, New Mexico. All three of these incidents occurred at approximately 2200 hours. Col. [redacted]

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also advised that as far as he knew no maneuvers were being held by the National Guard or the Reserve Units in New Mexico.

**NOTE:** Colonel [redacted] did not report any of these incidents, but upon receiving information of similar occurrences having been observed, did volunteer the information contained in this report.

7. On 9 December 1948, Dr. LINCOLN LA PAZ, Director, Institute of Meteoritics, University of New Mexico, Albuquerque, New Mexico, was interviewed in his office by Special Agent MELVIN E. NEEF. Dr. LA PAZ produced his credentials which indicated that during the 2nd World War he was Technical Director, Operations Analysis Section, Sq., 2nd Air Force, and is closely associated in an official capacity with Dr. E. S. LANDSBERG, Executive Director, Committee on Geophysics and Geography, Research and Development Board, Pentagon, Washington, D. C. In connection with this capacity he has a secret and a top secret clearance by the Air Materiel Command, Wright-Patterson Air Force Base, Ohio.

8. Dr. LA PAZ explained the behavior of meteors and stated that these phenomena being investigated could not be explained or be considered as meteors. He advised, in view of the unexplained Memphis, Tennessee, incident, the occurrence at Los Alamos, New Mexico, and the proclaimed meteorites fall in Russia, that has not been explained, that the present phenomena should be investigated and an attempt be made to identify them.

9. On 13 December 1948, Dr. LA PAZ gave a statement concerning an incident, which he witnessed at 9:03 p.m., on 12 December 1948. Dr. LA PAZ's statement is inclosed as Incl. No. 1.

10. On 11 December 1948, Major WILLIAM P. GODSON, 4th Army Liaison Intelligence Officer, Sandia Base, New Mexico, advised S/A M. E. NEEF, that there were no maneuvers in this area, and no experiments involving the use of rockets or flares.

11. On 12 December 1948, Col. HAROLD A. GUNN, Base Commander, Kirtland Air Force Base, Kirtland Field, New Mexico, was interviewed by S/A MELVIN E. NEEF. Col. GUNN advised that he knows of no aerial maneuvers, and feels that in the event that there were, he would be so advised.

AT CHANDLER, ARIZONA

12. On 7 December 1948, S/A HERMAN I. WENHOE, reported from Williams Air Force Base, Chandler, Arizona, that Air Force C-47, Number AF-9921, was piloted by [redacted]. The co-pilot was determined to be Major [redacted], and the Flight Engineer was W/ Sgt. [redacted] - (unknown in its entirety). All of the above personnel were reported to be permanently stationed at Randolph Air Force Base, San Antonio, Texas, and were enroute from San Antonio,

Texas, to Williams Air Force Base, Arizona. Aircraft and crew departed for Mather Air Force Base, California, before an interview could be conducted.

AT SANTA FE, NEW MEXICO

13. On 8 December 1948, Captain [REDACTED], New Mexico State Police, State Police Headquarters, Highway 85, Santa Fe, New Mexico, was interviewed reference possible previous reports concerning unusual aerial phenomena, flares, lights in the sky, etc. Captain [REDACTED] stated no reports had been received by his office from any of the State Police stationed throughout the state of New Mexico.

NOTE: Captain [REDACTED] stated that he would report any incidents of this type to the State Police Office in Albuquerque and request that they contact the Office of Special Investigations, Kirtland Air Force Base, Kirtland Field, New Mexico.

14. On 8 December 1948, Mr. [REDACTED] Forest Supervisor, Santa Fe National Forest, Federal Court House Building, Santa Fe, New Mexico, was interviewed reference possible previous reports concerning unusual aerial phenomena, flares, lights in the sky, etc. Mr. [REDACTED] stated that he had received no reports of incidents of these types during the current year; however, in the summer of 1947, a woman named [REDACTED] Santa Fe, New Mexico, had reported unusual aerial manifestations to him on numerous occasions. Mrs. [REDACTED] a writer, and her husband were prospecting throughout the State of New Mexico, and on at least five different occasions, during a period of five to six weeks, Mrs. [REDACTED] had visited Mr. [REDACTED] and reported having observed objects which she described as being "cigar-shaped with a glowing tip" in the sky. No information was available as to the altitude, size, speed, or frequency of these objects. Mrs. [REDACTED] stated that she had personally observed these objects from Tierra Amarilla, New Mexico, to Los Alamos, New Mexico. Mrs. [REDACTED] is believed to have contacted the military security personnel at Los Alamos Atomic Energy Commission (LEAD) installation, and also to have contacted the Governor of New Mexico reference her observations. It is not believed that Mrs. [REDACTED] is now residing at Santa Fe.

15. Mr. [REDACTED] stated that he had alerted his Forest Rangers to watch for unusual lights or objects in the sky, but to date had received no reports from them. Mr. [REDACTED] recommended that [REDACTED] Forest Ranger, Las Vegas, be contacted for a report of possible activities of this nature in the Las Vegas area.

NOTE: Mr. [REDACTED] was unusually cooperative and security-conscious. Mr. [REDACTED] stated that he would discreetly alert his Rangers again and have them report to him all incidents of this nature immediately. These reports will be transmitted in turn to the Office of Special Investigations, Kirtland Air Force Base, Kirtland Field, New Mexico. Mr. [REDACTED] stated also that he would be glad to cooperate by permitting members of the Office of Special Investigations to make use of temporarily inactive fire towers, or ranger stations, upon request.

AT LAS VEGAS, NEW MEXICO

1. On 8 December 1948, Mr. [redacted] Chief of Police, Sixth and University, Las Vegas, New Mexico, was interviewed reference reports of unusual aerial phenomenon. Chief [redacted] stated that he had received no reports of this nature and added that this was the first he had heard of possible occurrences in the vicinity of Las Vegas. Chief [redacted] recommended that [redacted], State Police, on duty in Las Vegas, be contacted.

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2. On 8 December 1948, Patrolman [redacted], New Mexico State Police, San Miguel County Court House (Old Town), Las Vegas, New Mexico, was interviewed reference reports on unusual aerial phenomenon. Mr. [redacted] stated he had received no reports of this nature and added that only on one occasion had he overheard a conversation about aerial flares in the neighborhood of Las Vegas. This conversation occurred during a meeting of several enforcement agents and Mr. [redacted] stated he had no idea who had mentioned the subject. Mr. [redacted] stated if he received reports of this type he would report same to the proper Federal agency. Mr. [redacted] said that possibly a man named [redacted] who was flying a plane locally and doing advertising with a loud speaker attached to the plane could throw some light on the flares claimed to have been seen in the vicinity of Las Vegas.

3. On 8 December 1948, Mrs. [redacted], Office Manager, Las Vegas Flying Service, Watson Airport, East County Road, Las Vegas, New Mexico, was interviewed reference reports of flares observed at night in the vicinity of Las Vegas. Mrs. [redacted] stated that she was the wife of [redacted] Owner of Las Vegas Flying Service. Mrs. [redacted] stated that business was unusually slow at the Watson Airport, due to the near-abolishment of training of student pilots under the G.I. Bill. No flying is conducted at night from this air field. Mrs. [redacted] added that possibly information could be obtained from the local newspaper office and added that she had heard no reports on flares in the Las Vegas area.

NOTE: Contact was not made with the local newspaper due to a desire of keeping publicity about this investigation to a minimum.

4. On 8 December 1948, Mr. [redacted], Chief Aircraft Communicator, Department of Commerce, Civil Aeronautics Administration (hereinafter referred to as C.A.A.), Box 1029, Municipal Airport, Las Vegas, New Mexico, was interviewed reference possible previous reports of unusual aerial phenomenon. Mr. [redacted] stated he had heard of no incident prior to this interview and added that he was very much interested in events of this nature. Mr. [redacted] stated he had received no information from any aircraft on 5 December 1948. A check of the C.A.A. records for this date verified this statement. Mr. [redacted] stated that beginning immediately he would alert his Aircraft Communicators to report promptly incidents of this nature to him. These reports would in turn be reported to the Office of Special Investigations, Kirtland AFB, Kirtland Field, New Mexico. If the reports appear to necessitate immediate investigative action, a report will be made to a Federal agent residing in Las Vegas. Mr. [redacted] requested that four of

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his six Aircraft Communicators, on duty at time of interview, be interviewed collectively and informed briefly of the type of reports desired and the necessity for reporting such incidents immediately to Mr. [REDACTED]

5. On 8 December 1948, Mr. [REDACTED], Mr. [REDACTED], Mr. [REDACTED], and Mr. [REDACTED], Aircraft Communicators, C.A.A. Municipal Airport, Las Vegas, New Mexico, were interviewed collectively and informed of the investigation being conducted relative to unusual aerial phenomena. None of these men had received previous reports of this nature. All of these men agreed to maintain this information on a discreet basis and to handle the information as being highly classified. Permission was granted to these four communicators to brief the two communicators absent at this time reference the information desired. The two men absent were listed as Mr. [REDACTED] and Mr. [REDACTED]. The four communicators interviewed stated that the only night flying at Municipal Airport, Las Vegas, was by the two commercial airlines located there: Pioneer Airlines and Continental Airlines. It was pointed out that a Mr. [REDACTED], Owner-Manager of a flying school located on Municipal Airport was not licensed to make night flights and was not authorized to permit his students to fly at night. It was further noted that Mr. [REDACTED] owner of a Piper Super Cruiser used for advertising purposes in the vicinity of Las Vegas, was not licensed to fly at night.

6. On 8 December 1948, Mr. [REDACTED] Manager, Pioneer Airlines, Municipal Airport, Las Vegas, New Mexico, was interviewed reference reports on unusual aerial phenomenon. Mr. [REDACTED] was interviewed in his home, [REDACTED], Las Vegas, New Mexico, and stated that with the exception of a rumor from one of his Pioneer pilots (Mr. [REDACTED]) he had heard of no unusual incidents regarding flares or lights in the sky in and around the Las Vegas area. Mr. [REDACTED] stated that he would stay on the alert in an attempt to gather any future information from pilots or crew members of Pioneer Airlines, but added that he did not feel like confiding in his two assistants, since they were very youthful and would undoubtedly disclose information regarding this investigation. Mr. [REDACTED] stated that a Mr. [REDACTED], home address, [REDACTED] Las Vegas, Manager of Continental Airlines was presently out of town but was due to return on Friday, 10 December 1948. Mr. [REDACTED] upon being requested to do so, stated he would discreetly brief Mr. [REDACTED] as to the nature of reports desired, and would impress Mr. [REDACTED] as to the confidential classification of this investigation. Mr. [REDACTED] concluded by stating that any information he obtained, and information obtained by Mr. [REDACTED], would be reported to Mr. [REDACTED] of C.A.A. for subsequent transmittal to the proper investigative agency.

7. On 8 December 1948, Mr. [REDACTED], Ranger, Santa Fe National Forest Service, Federal Post Office Building, Las Vegas, New Mexico, was interviewed reference possible previous reports of unusual aerial phenomenon. Mr. [REDACTED] stated that at no time in the past since his assignment to Las Vegas in February 1948 had he received any report or observed any incident regarding occurrences of this nature. Mr. [REDACTED] said he would report any future incidents of this type to Mr. [REDACTED] in Santa Fe, for subsequent transmittal to the investigative agency concerned.



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AT LAS VEGAS, NEW MEXICO

This is a joint investigation conducted by Special Agents JOHN J. STAHL, Jr. and MELVIN E. DEEP.

At 1745 on 8 December 1948, Special Agents [redacted] and [redacted], both rated pilots, took off from Kirtland Air Force Base, Albuquerque, New Mexico, in a T-7 type aircraft. At 1833 while flying at an indicated altitude of 11,500 feet, mean sea level, approximately 5,000 feet above terrain, a strange phenomenon was observed. The exact position of the aircraft at the time of the observation was 35° 31' North - 104° 51' West, approximately twenty (20) miles east of the Las Vegas, New Mexico, radio range station. At the time of the observation the aircraft was flying on a compass course of 90°, the indicated air-speed was one hundred sixty (160) miles per hour and the ground speed was approximately one hundred ninety miles per hour. Special Agent [redacted] was flying as pilot and seated on the left side of the cockpit. Special Agent [redacted] was flying as co-pilot and was seated on the right side of the cockpit. Special Agent [redacted] first observed the phenomenon and a split second later Special Agent STAHL saw it. At an estimated altitude of 2,000 feet higher than the airplane or 13,500 feet above mean sea level a brilliant green light was observed coming toward the airplane at a rapid rate of speed from approximately 30° to the left of course, from 60° SSE, to 240° WSW. The object was similar in appearance to burning green flare of common use in the Air Forces. However, the light was much more intense and the object appeared to be considerably larger than a normal flare. No estimate can be made of the distance or the size of the object since no other object was visible upon which to base a comparison. The object was definitely larger and more brilliant than a shooting star, meteor or flare. The trajectory of the object when first sighted was almost flat and parallel to the earth. The phenomenon lasted approximately two (2) seconds at the end of which the object seemed to burn out. The trajectory then dropped off rapidly and a trail of glowing fragments reddish orange in color was observed falling toward the ground. The fragments were visible for less than a second before disappearing. The phenomenon was of such intensity as to be visible from the very moment it ignited and was observed a split second later. It was not possible for the phenomenon to have been visible for longer than a split second before observation.

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Weather at flight altitude was as follows: Ceiling unlimited, visibility, a minimum of seventy-five (75) miles, the wind, 30 miles per hour from 310°. The moon, in the first half, was approximately half way to its zenith and south, or to the right of course. The 1815 weather observation at Las Vegas, New Mexico, was clear, 30 miles visibility, temperature 30°, dew point 17°, the wind from the NE at 6 miles per hour, the altimeter setting 30.06 inches of mercury. After the occurrence the aircraft remained in the same vicinity for approximately one and one-half hours but no further phenomena were observed.

On 9 December 1948, Special Agent [redacted] accompanied by a crew chief took off from Kirtland Air Force Base at 1635 and flew to the area where the phenomenon had been observed the previous evening. A careful search of the terrain, both where the phenomenon was observed and in the direction from

which it had appeared, was made. The terrain is barren and rough, and scarred by numerous dry washes and shallow canyons. Two or three widely separated buildings, apparently small ranch houses were noticed in the area. It appears that the land may be used for limited cattle raising. There are no indications of cultivation. The aircraft remained in the vicinity for several hours after sunset but no further phenomenon was observed. The weather conditions at flight altitude were high scattered cirrus clouds above 25,000 feet and visibility in excess of 40 miles.

On 11 December 1948, Mr. [REDACTED], A.E.C. Security Representative, Sandia Base, gave Special Agent NERF the following statement:

Statement

At approximately 2255 the evening of 6 December 1948, I observed a definite greenish flare in the sky almost directly overhead at Sandia Base. At the time of the flare I was driving west on J Street and had made the Stop sign at the Main Street. The flare appeared in the upper right hand corner of the windshield of the car slightly to the northwest.

The flare was approximately one-third the diameter of the moon and a slight arch ensued falling from east to west. The flaming tail appeared during this arch. The entire phenomenon lasted possibly two to three seconds after which it vanished.

[REDACTED]  
A.E.C. Security  
Sandia Base

ENCLOSURES

FOR CG, KENTLAND AFB:

Signed statement of Dr. LINCOLN LA PAZ dated at Albuquerque, New Mexico, 13 December 1948.

FOR OSI, HQ., WASHINGTON, D.C.:

Signed statement of Dr. LINCOLN LA PAZ, dated at Albuquerque, New Mexico, 13 December 1948.

FOR DO #10, KELLY AFB:

Signed statement of Dr. LINCOLN LA PAZ, dated at Albuquerque, New Mexico, 13 December 1948.

FOR HOLLOWAY AFB DET:

Signed statement of Dr. LINCOLN LA PAZ, dated at Albuquerque, New Mexico, 13 December 1948.

FOR WALKER AFB DET:

Signed statement of Dr. LINCOLN LA PAZ, dated at Albuquerque, New Mexico, 13 December 1948.

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UNDEVELOPED LEADSDISTRICT OFFICE #17, Kirtland AFBAT SANTA FE, NEW MEXICO

Will interview Mrs. [REDACTED] reference reports made by her to Mr. [REDACTED] Forest Supervisor, Santa Fe National Forest, during the summer of 1947. Any recent activities concerning aerial phenomena observed by Mrs. [REDACTED] will be obtained.

AT LOS ALAMOS, NEW MEXICO

Will interview the Chief of the Security Section, Los Alamos Atomic Energy Commission installation reference reports made to that organization by Mrs. [REDACTED] in 1947 and possibly in 1948. Will further ascertain from the Chief of Security if any other reports of unusual aerial phenomena have been reported to the Los Alamos Atomic Energy Commission installation.

AT WALKER AIR FORCE BASE

Will determine if that base has been engaged in any maneuvers involving the use of any aerial flares or similar devices.

AT HOLLOWAY AIR FORCE BASE

Will determine if that base has been engaged in any maneuvers involving the use of any aerial flares or similar devices.

DISTRICT OFFICE #10, SAN ANTONIO, TEXASAT SAN ANTONIO, TEXAS

Will interview Captain [REDACTED], Major [REDACTED] and W/Sgt [REDACTED] concerning the flares, meteors or phenomena observed by them at Las Vegas and on the eastern slope of the Sandia Mountains, New Mexico, on 5 December 1948, while enroute from Lowry AFB, Denver, Colorado, to Williams AFB, Chandler, Arizona.

AT EL PASO, TEXAS

Will determine whether or not Biggs AFB has been engaged in aerial maneuvers involving the use of aerial flares or similar devices.

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ENCLOSURE NO. 1 TO INVESTIGATIVE REPORT 424-A, 17th DISTRICT OSI.

Report on incident of 1948, December 12, 9h. 2m. + 30s., seen from Starvation Peak (Bernal), New Mexico, (approximately 15 miles south and 4 miles west of Las Vegas, New Mexico).

The report of this incident should be prefaced with a statement of the fact that beginning on evening of December 9th, and as a direct result of the conference held on afternoon of December 9th with S/A [redacted], the writer began systematic observations of the Geminid meteor shower, the only one of the recognized annual meteor showers active at this time. In spite of the quite unusual nature of the observation reported to me by S/A [redacted] (and of similar observations made known to me at the conference called by Col. Doyle Ross on December 11th), I felt certain that the observed phenomenon somehow must be connected with the Geminid meteors which reach their maximum activity between December 10th and 12th, but are frequently seen in considerable numbers as early as December 3 - 4. However, visual observations made between the evening of December 9th and the morning of December 12th only served to confirm a statement made on December 9th to S/A [redacted] viz., that the Geminids are not one of the showers producing numbers of extremely bright fireballs (of also Fletcher Watson, Between the Planets, Harvard Books on Action Series, p. 136 (1941)), and that I did not recall ever having seen a green Geminid fireball although bluish and bluish white Geminid had occasionally been noted. This latter impression was checked after my observations of December 9 - 12 were completed by an analysis of the colors assigned to all meteors both Geminid and non-Geminid that I have observed during periods of Geminid activity since December 1, 1945. A total of 414 such meteors had color reported and none of these were tabulated as either green or greenish.

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With the above preface, I proceed to an account of the incident of December 12. Shortly before 9 on the evening of this date a staff car driven by Lt. [redacted] of Sandia Base left Las Vegas headed for Santa Fe. [redacted] had as passengers Major [redacted] and the undersigned. [redacted] was in the back seat and I was in the right front seat. Just before reaching Bernal, New Mexico, the car passed through a cut and came out on a down slope facing approximately westward. On emerging from this cut a clear view to the right toward the north and northwest was afforded. I was watching the sky as I had been since darkness fell and my attention was directed to an area about 15° west of L-Cygni when, by indirect vision I became aware of a very bright green ball (apparent angular diameter 5') to the right of the area in the center of my field of view, moving from east to west very low on the horizon. Jerking my eyes to the right and pointing with my right hand I shouted, "Look", four times. (The fact that I point and repeated the word 4 times has been checked by both of my companions and recollection of my motions and speech, timed by an Elgin 14 stopwatch within 5s after the moment of appearance of the green ball, furnished measure of the duration of this fireball, ranging from 2.1 seconds to 2.3 seconds.

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Incl. No. 1 to Investigative Report #24-8 (Cont)

The path of the green ball was almost exactly horizontal (Altitude estimated as only 3 or 4 degrees) until just a tenth of a second or so before it disappeared. During the last one or two tenths of a second of its visibility a slight but definite curvature downward developed in its path. From the very beginning the ball was very bright. Immediate comparison with Sirius (at a much greater altitude than the green fireball) indicates that during all but the last one or two tenths of a second of the fireball's visibility it was at least of apparent magnitude -4 (minus four). Just as curvature in its path developed the magnitude of the fireball rose slightly and it broke up into three or four smaller, but still bright green fragments which disappeared almost instantly.

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Lt. [redacted] stopped the car the moment the fireball disappeared, spun it around and drove back into the cut; then turned and parked at the exact point where I first yelled "Look". Here the time as read immediately from a watch I had set at noon on December 12 with the master clock in the Santa Fe RR Station at Las Vegas, New Mexico, was 9h. 3m. as nearly as could be determined. Assuming that [redacted] maneuvers with the car took between half a minute and a minute and a half the actual time of appearance was between 9h. 1m. 30s. and 9h. 2m. 30s. I believe the earlier of these times is the more probable.

At the point where Lt. [redacted] stopped, an arrow was scratched in the shoulder of the roadway directed toward the point where the green fireball disappeared and white rocks were used to border this arrow. While performing this operation and for many minutes thereafter we stood outside the car and listened for meteoritic detonations or rumblings, but absolutely nothing was heard. (There was no appreciable interference from traffic noise.)

At approximately 9:50 p.m., we reentered the staff car and drove first to Santa Fe (where we futilely attempted to get in touch with night guards on duty at New Mexico State Prison in the hope of obtaining an additional line of sight to the point where the green ball had disappeared); and then to Los Alamos where I reported to Col. Carrall and other security officials what we had observed. Through their aid it was determined that what was unquestionably the same green ball seen by us had also been observed by at least two of the night guards at Los Alamos.

During the entire night of the 12th, meteors of all magnitudes from the first to the fifth and of various colors (with white and yellow predominating and with no evidence of green) were occasionally seen emanating from the Geminid radiant. This radiant was well above the horizon even at the time of the Starvation Peak incident. Consequently, the apparent paths of the meteors from the radiant appeared as luminous arcs of great circles diverging from the radiant point and passing downward to intersect the horizon under angles always large and for the most part approaching 90°, in value. In the sharpest contrast, the path of the bright green fireball seen from near Starvation Peak was very nearly, if

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Incl No. 1 to Investigative Report #24-8 (Cont)

not exactly, parallel to the horizon. This green fireball certainly did not emanate from the Geminid radiant.

Subject to discovery that a new (non-Geminid) meteoric radiant emitting numerous very bright fireballs of a vivid green color (deeper and richer than the green of the beacon at the New Municipal Airport south of Santa Fe, New Mexico) has suddenly become active during the first half of December, I am now convinced the various "green Flare" incidents reported to the O.S.I. are not meteoric in nature.

This is a written statement given by Dr. La Paz in his own words.

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THE UNIVERSITY OF NEW MEXICO  
ALBUQUERQUE

Institute of Meteoritics

December 13, 1948

To: Lt. Colonel Doyle Ross, Commanding Officer  
District No. 17  
Office of Special Investigations

From: Lincoln LaPas, Director  
Institute of Meteoritics

Subject: Anomalous luminous phenomena

Pursuant to conversations with Captain [redacted] under date of December 3, I should like to review the various luminous incidents which have been brought to my attention either as Director of the Institute of Meteoritics, University of New Mexico, or as Director of the Southwest section of the American Meteor Society; or through official channels, such as those more specifically described hereinafter. After reviewing these instances, certain recommendations for more detailed investigations of the phenomena in question will be made in accordance with your request.

1. The writer's experience in observation of meteoritic phenomena dates from 1914 when he began as an observing member of the American Meteor Society. In addition to my own experience, I am able to rely also on that of many other specialists in this field. On the basis of all available observational evidence, it can be stated that an extraordinarily large number of fireballs has been reported recently, not only to the agencies that I direct but to other groups carrying out meteoritic studies. In spite of well organized and persistent field searches conducted, not only by the Institute of Meteoritics but also by other organizations, there has been only one case in which the actual recovery of fallen meteorites served to confirm the supposed meteoritic origin of an observed "fireball."

2. In addition to the evidence set forth in the preceding paragraph, the undersigned has on several occasions been requested by agencies, both military and otherwise, to express an opinion upon, or to actively investigate the occurrence of luminous phenomena, supposedly of meteoritic nature, but of such remarkable character that this explanation cannot be accepted without confirmation. In this connection, I should like to call attention to Colonel W. E. Clinger's letters to me under date of 23 June and 20 July 1948 and Dr. H. E. Landsberg's letter to me under date of 30 March 1948, copies of which are enclosed herewith.

3. The incidents referred to in the above paragraphs, considered in connection with the special inquiry of the Office of Special Investigations under date of 10 December 1948, are of such passing nature, and may conceivably be of such serious import that I should like to make certain recommendations for a systematic study of all such incidents.

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KAFB 355'



Lt. Colonel Doyle Ross

-2-

December 13, 1948

4. First, it is recommended that orders be issued directing all U.S.A.F. night guards and other persons on night duty on the ground or in the air to immediately report any luminous phenomena which they may observe and which they have any reason to believe are not the result of an ordinary meteor (shooting star) fall. The same orders should be issued to those members of the service on duty by day with the qualifications that they do not report luminous objects directly traceable to reflections from meteorological balloons, or from the metal surfaces of airplanes.

Second, it is recommended that steps be taken to secure a similar report from the security guards on duty at Santa Rosa, Kirtland Air Base, Los Alamos, and at other installations throughout New Mexico. In this connection, I should like to note that the Institute has received excellent cooperation from the New Mexico Wing of the Civil Air Patrol, from Forest Rangers, and from night guards at the New Mexico Proving Ground.

Third, it is recommended that the Institute of Meteoritics be given official authorization to make public in newspapers and over radio-networks requests for observations of "fireballs." Such authorizations would seem to be necessary since requests of the nature alluded to, transmitted through Dr. Ward Penley, Director of the University of New Mexico New Mexico News Bureau to newspapers throughout New Mexico, in connection with the Las Vegas incident of 1030 PM, on the night of 5 December 1948, were not published, apparently because of pressure from other agencies also investigating this occurrence.

Fourth, it is recommended finally that where sufficient observations have been obtained to permit a determination of the probable area of fall, under the supposition that the incident under investigation is actually meteoritic in nature, a thorough-going field search be conducted in this area in the hope of recovering fallen meteorites and of thus establishing once and for all the true nature of the incident. In this connection, some provision should be made for putting into the area of fall radio-equipped vehicles, planes and ground searchers. Our experience, even in the difficult Four Corners area is that with these groups cooperating, an exhaustive search of an area of large size can be speedily completed.

In conclusion, I should like to point out that the staff of the Institute of Meteoritics is eager to cooperate in all such investigations as have been suggested above, subject only to authorization to do so from the President of the University of New Mexico. Such authorization will unquestionably be forthcoming, provided only an official request for Institute of Meteoritics participation in investigations specified to be of importance to the national defense is made of President Van L. Popejoy.

/s/ Lincoln La Paz

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/s/ Lincoln La Paz	
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MEMO ROUTING SLIP				
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Replaces WD AGO Form 895, 1 Jun 48, which may be used.

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HEADQUARTERS FIFTH ARMY  
1650 EAST HYDE PARK BOULEVARD  
CHICAGO 15, ILLINOIS

ALFGF-I

31 January 1949

SUBJECT: Arnquist—Flying Discs

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

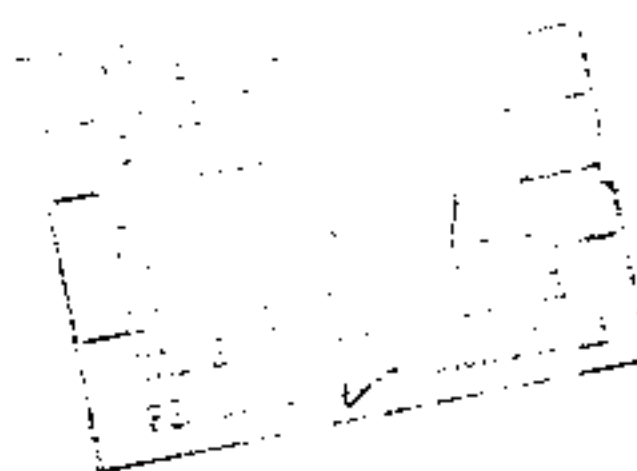
1. Inclosed Summary of Information is forwarded for your information and necessary action.
2. No further action is contemplated by this headquarters.

FOR THE COMMANDING GENERAL:

*Prentice G. Morgan*

PRENTICE G. MORGAN  
Major, GSC  
Chief, Intelligence Division  
Office of AC of S, 3-2

Incl.  
S/I dtd 28 Jan 49  
re SUBJECT (in dup)



UNCLASSIFIED

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UNCLASSIFIED

AMC Form No. 10-507  
(Rev. 1 Aug. 46)

# ROUTING SLIP

TO: OFFICE AND INDIVIDUAL IN TURN

	SYMBOL	NAME	DATE FWD
1	MCAGXR		2/7
2			
3			
4			
5			

FOR: FOLLOWING ACTION(S) AS CHECKED

Approvals	Investigation	Recommendations
Conference	Information	Signature
Compliance	Note and File	See or Phone Me
Coordination	Note and Return	Verbal Report
Comment	Prep. of Reply	
Distribution	Reply Direct to Writer	

REMARKS:

FROM: OR TO: WHEN FOLDED HERE FOR RETURN

SYMBOL	NAME	PHONE
MCIAKO	<i>[Signature]</i>	6531K

W7-1-23 JAN 47 5 00PM

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HEADQUARTERS FIFTH ARMY  
INTELLIGENCE DIVISION  
OFFICE OF AC of S, G-2

25 January 1948

(Date)

Chicago 15, Illinois  
(Place)

SUBJECT: ~~██████████~~ Flying Discs

Summary of Information:

At 1430 hours, 19 January 1948, a Mr. ~~██████████~~ who gives his address as ~~██████████~~ Grand Junction, Colorado, and temporary address as ~~██████████~~ Denver, Colorado, came to the Denver Area Office, OAS of S, G-2, 510 Insurance Bldg., Denver, Colorado, with the following story: Subject wishes to contact Dr. Miliken or Dr. Lorenz or any top flight scientist who is interested in what Subject calls "a rational scientific solution to the flying disc." Subject is described as a typical businessman about five feet eleven inches in height, ordinary features, reddish-blond hair, approximately one hundred sixty-five to one hundred eighty-five pounds in weight, ruddy complexion, and a nervous type individual. Subject claims to have worked for Bell Telephone Laboratories and -ecture Bureau of New York Telephone Company, has recently worked on Hydro-Electric Project in Minnesota, has also formerly worked as planning and production control engineer for the Twin Cities Ordnance Plant in Minnesota. ~~██████████~~ claims that real estate men in the vicinity of Grand Junction know him very well, that he is now beginning to move from Minnesota to the Grand Junction area, that also ~~██████████~~ is listed under his name but is not his permanent address. He claims no permanent address at this time. He wishes to discuss his theory with any top flight scientist who is also working on this theory because he fears discussion of this solution with anyone else would be branded as fantastic and he would in turn be branded as a fanatic. He said that recent experiments with helium has proved that it reacts completely unexpectedly; that this experiment has had such a surprising effect that he feels that his theory might be understood in the same possibility. The agent had requested more information but Subject would not reveal any at all. Subject insisted on speaking to a top flight scientist but did say he would correspond with same if given the

EX-2  
64

page 1 of 2

Previous Distribution:

Distribution:

1. Wright-Patterson AFB,  
Wright Field, Ohio

Evaluation	
-of source	-of information
X	Reliable
	Credible
	Questionable
	Undetermined

~~CONFIDENTIAL~~ UNCLASSIFIED

SUBJECT: ██████████ - Flying Discs (cont'd)

28 January 1949

name and address. Subject fee's he could come to Chicago next summer to discuss this problem with any scientist the agent might recommend to him. Subject also expressed a theory that his information might be so astounding as to render a complete change of military plans for the United States Government. He further added that he does not wish to have his name revealed in any way because of possible repercussions. He would not elaborate on possible repercussions, when questioned further. He would not elaborate on possible military changes. He was very nervous and left this office in an unusual hurry. This office has a telephone number at which he might be contacted during certain parts of the day.

E+P  
b6

UNCLASSIFIED

~~Confidential~~

CROSS REFERENCE  
AND SUSPENSE RECORD

FILE UNDER NO: 019 Insurance

333.5 Investigation

008 Policy

DATE: 1-28-49

FROM: AFMPI

TO: CG, AMC Wright Patterson AFB Dayton, O.

SUBJECT: Overall Wage and Salary Policy of Rand Corporation

DOCUMENT FILED UNDER: Area B

~~Confidential~~

SUSPENSE RECORD			
DATE	FOR ATTENTION OF	DATE	FOR ATTENTION OF

ACTION TO BE TAKEN ON SUSPENSE DATE

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CROSS REFERENCE  
AND SUSPENSE RECORD

FILE UNDER NO: 400.115 Bids, Quotations, Contracts  
333.5 Investigations

DATE: 27 January 1949

FROM: HQ, Air Materiel Command  
Wright-Patterson Air Force Base  
Dayton, Ohio

TO: Chief of Staff  
United States Air Force  
Washington 25, D. C.  
ATTN: Deputy Chief of Staff,  
Materiel

SUBJECT: Contract W-ANL (MP-1) 399 China 3 (IP)

DOCUMENT FILED UNDER: 400.3295 Sale of Supplies & Equip. to Foreign Co. ~~Confidential~~

SUSPENSE RECORD

DATE	FOR ATTENTION OF	DATE	FOR ATTENTION OF

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HEADQUARTERS ALASKAN COMMAND  
Office of the Director of Intelligence  
APO 942, c/o Postmaster  
Seattle, Washington

21 January 1949

SUBJECT: Attached Letter

TO: Commanding General  
Wright-Patterson Air Force Base  
Dayton, Ohio  
ATTN: MGI

1. The attached letter was received by this Command.
2. The reporting of flying discs is being followed, although the reporting of this type subject matter is not definitely known to this Command.
3. On future letters of this type, should the Alaskan Command follow the same reporting procedure as that which applies to flying discs?

T. A. HUCKINS  
Captain, USN  
Director of Intelligence

2 Incls  
Ltr from Mrs.  
Madeline Gwynne Merchant  
Ltr to Mrs. Merchant dtd  
24 Jan 49

UNCLASSIFIED



INSERT  
OFFICE SYMBOL AND  
FULL SIGNATURE IN  
APPROPRIATE BLOCK  
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AMC

Subject: Attached letter

1st Ind

CIAX/MS/dw

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

FEB 7 1949

To: Headquarters Taskan Command, Office of the Director of Intelligence, AIC 242, c/o Postmaster, Seattle, Washington

1. The theories of Mrs. [redacted], author of letter referred to in basic communication, have been reviewed by various technically qualified personnel who consider them illogical and valueless.

2. This Headquarters maintains a file of letters sent by Mrs. [redacted] to various military commanders and individuals throughout the United States.

3. It is requested that future letters of this nature be forwarded without action to this Command, attention CIAX-3.

FOR THE COMMANDING GENERAL:

2 Incls  
w/d

*William H. Smith*  
W. H. SMITH  
Colonel, USAF  
Chief, Intelligence Department

PUBLIC INF. OFFICE

COMPTROLLER

*exp 56*

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

*Robb*

SUPPLY AND MAINT.

PROC. & IND. MOS.  
PING.

OTHER

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CROSS REFERENCE  
AND SUSPENSE RECORD

~~Secret~~

FILE UNDER NO: 333.5 Investigations

DATE: 1-18-49

FROM: Hqs Fourth Army Fort San Houston, Texas

TO: CG, AMC Wright Patterson AFB Dayton, O.

SUBJECT: Unconventional Acft

DOCUMENT FILED UNDER: 452.1 Airplanes General

~~Secret~~

SUSPENSE RECORD

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ACTION TO BE TAKEN ON SUSPENSE DATE

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CLASSIFIED

REC'D  
10 JAN 1949  
DIR/INT  
HQ USAF

60

1949 JAN 12 PM 5 03

JOINT RESEARCH &  
DEVELOPMENT BOARD  
WASHINGTON, D. C.

CLASSIFIED

UNCLASSIFIED

E/L fm NME, R & D Board, dtd 7 Jan 49, subj: Fireball Phenomena

XFOIB-CO-5 (L-1-42)

1st Ind.

Dept. of the Air Force, Hq. USAF, Washington 25, D. C.

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

Forwarded as a matter pertaining to your Command.

BY COMMAND OF THE CHIEF OF STAFF:

*Robert Taylor 3-*

2 Incls.  
n/c

*Serials not available  
for file*

ROBERT TAYLOR 3rd  
Colonel, USAF  
Chief, Information Branch  
Air Materiel Command, Wright-Patterson  
Directorate of Intelligence

*Handwritten notes in a box:*  
XFOIB-CO-5  
L-1-42  
7 JAN 1949

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*107 3-14*





~~Confidential~~

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CO, CO OR DEPUTY

Re: A-1, Project "Sign"

3. Is the luminosity of the object, Lt. ~~W...~~ states there were no visible projections or unlighted sections to the object, and that he observed the object while it passed between him and the lights of cargo. How intense was the light of the object, in comparison to city lights? Was object lost to view for instantaneous periods while it eclipsed bright city lights?

4. It is requested these questions be reviewed, answered carefully and returned together with any additional pertinent information to the Commanding General, Headquarters, Air Materiel Command, Dayton, Ohio, attention AICAG-5.

FOR THE COMMANDING GENERAL:

*W. R. Clingerman*  
Colonel, USAF  
Chief, Intelligence Department

AIR INSPECTOR

PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE  
MCIAXO

SUPPLY AND MAINT.

PROC. & IND. MCH.  
PLNG.

OTHER

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APPROPRIATE BLOCK  
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AIR INSPECTOR

MCIAKO

MCIAKO-3/RS/rm

5 Jan 49

SUBJECT: Project "Sign"

PUBLIC INF. OFFICE

TO: Chief of Naval Operations  
Washington 25, D. C.

ATTN: JMI

COMPTROLLER

PERSONNEL & ADM.

1. This Command is responsible for investigation of all reported sightings of unidentified aerial objects, commonly referred to as flying "discs."

2. Several witnesses sighted an object in the vicinity of Crescent City, California at 1610 L hours, 17 October 1948. Object was said to resemble a small Navy blimp although its speed and maneuverability were thought to be too great.

RESEARCH & DEV.

3. It is requested a schedule of Navy lighter-than-aircraft movements in the vicinity of Crescent City California, during the period 17 October 1948 be furnished this Command to aid in the proper evaluation of this incident.

INTELLIGENCE

MCIAKO

4. Any additional pertinent information and suggestions are requested.

5. Reply directed to Commanding General, Air Material Command, Wright-Patterson Air Force Base, Dayton, Ohio, for the attention of MCIAKO-3.

SUPPLY AND MAINT.

FOR THE COMMANDING GENERAL:

*W. R. Zimmerman*  
H. A. MCJY  
Colonel, USAF  
Chief, Intelligence Department

PROC. & IND. MGR.  
PLNG.

OTHER

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*W. R. Zimmerman*

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*RM*

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UNCLASSIFIED

AIR INSPECTOR

*Handwritten initials*

*Handwritten: 11/13/48*



SUBJECT: Project "SIGN"

PUBLIC INF. OFFICE

11/13/48

COMPTROLLER

To: Chief, Air Weather Service,  
Andrews Air Force Base,  
Washington 25, D. C.  
ATTN: DSB

PERSONNEL & ADM.

1. Project "SIGN" is responsible for the collection, investigation and interpretation of data relative to sighting of unidentified flying objects. Attached incident summaries 1 thru 172 from the files of Project "SIGN" are forwarded for study and recommendations as to which of the incidents may be eliminated as balloons released on routine synoptic ascents by the Air Weather Service, the Navy Aerological Service or the United States Weather Bureau. The summaries attached may be retained in your headquarters for working and reference purposes.

RESEARCH & DEV.

2. The Air Weather Service is the only agency of its type that has been asked to assist in the accomplishment of Project "SIGN" except that the United States Weather Bureau has provided information on ball lightening. Research programs in which balloons are used and which are conducted or sponsored by the Army, Navy or United States Air Force are checked by the Intelligence Department of this Command. These checks are usually made direct from the Project "SIGN" office, D-1110. These checks are in addition to the check of a synoptic balloon file used by weather service stations of the Air Force, the Navy and the Department of Commerce. U. S. Weather Bureau, requested of Air Weather Service.

INTELLIGENCE

SUPPLY AND MAINT.

3. It is the opinion of this office that the below listed incidents are those having the greatest possibility of being balloons. This list does not eliminate the possibility that many of the remaining incidents are balloons.

PROC. & IND. MOB. PLNG.

2	24	50	51	113	153
3	25	52	52	114	156
4	28	72	90	126	157
11	30	73	201	141	159
14	31	81	135	148	163
17	32	87	107, 5, 9	151	167
28	33	89	112, 100, 122	154	168
29	34				

*Handwritten: T-24481A*

OTHER

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CG, CO OR DEP

AIR INSP

SUBJECT: Project "SIGN"

111-3/185/7M  
~~8/20/48~~

OFFICE

SEP 1949

ROLLER

To: Chief, Air Weather Service,  
Andrews Air Force Base,  
Washington 25, D. C.  
ATTN: DCS

PERSONNEL & ADM.

1. Project "SIGN" is responsible for the collection, investigation and interpretation of data relative to sighting of unidentified flying objects. Attached incident summaries 1 thru 172 from the files of Project "SIGN" are forwarded for study and recommendations as to which of the incidents may be eliminated as balloons released on routine synoptic ascents by the Air Weather Service, the Navy Aerological Service or the United States Weather Bureau. The summaries attached may be retained in your headquarters for working and reference purposes.

RESEARCH & DEV.

2. The Air Weather Service is the only agency of its type that has been asked to assist in the accomplishment of Project "SIGN" except that the United States Weather Bureau has provided information on ball lightning. Research projects in which balloons are used and which are conducted or sponsored by the Army, Navy or United States Air Force are checked by the Intelligence Department of this Command. These checks are usually made direct from the Project "SIGN" office, (111-3). These checks are in contrast with the check of a typical balloon file made by weather service stations of the Air Force, the Navy and the Department of Commerce. U. S. Weather Bureau, requested of Air Weather Service.

INTELLIGENCE

SUPPLY AND MAINT.

3. It is the opinion of this office that the below listed incidents are those having the greatest possibility of being balloons. This list does not eliminate the possibility that any of the remaining incidents are balloons.

2	24	50	51	115	155
3	25	52	52	119	156
4	28	72	56	126	157
11	30	73	101	141	158
14	31	51	105	148	163
16	32	57	107, 3, 3	151	167
22	33	59	112 (see 122)	154	169
25	48				

PROC. & IND. MOB.  
PING.

OTHER

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Hq AWC, Chief, Air Weather Service, Washington 25, D. C.  
Subj: Project "Sign"

AIR INSPECTOR

4. The form used in interrogating witnesses to sightings is in-  
closed as a matter of interest. Comment as to possible improvement  
of the "Essential Elements of Information" in regard to routine  
synoptic balloon flights is invited.

5. It is requested that correspondence be forwarded to the  
Commanding General, Headquarters, Air Materiel Command, attention  
ACTAXD-3.

FOR THE COMMANDING GENERAL:

PUBLIC INF. OFFICE

COMPTROLLER

2 Incls: *1/2*  
Summaries 1-172 incl  
"ESI"

*W. R. Clingemom*  
A. M. McCOY  
Colonel, USAF  
Chief, Intelligence Dept

PERSONNEL & ADM.

Copies furnished:

AFAIR, Hq. USAF  
Capt Irakowski, Geophysics Lab  
Major Kodis, CHSAP  
Colonel Seal, ALCME

RESEARCH & DEV.

INTELLIGENCE

SUPPLY AND MAINT.

PROC. & IND. MOB.  
FINQ.

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Chief, Weather Service, Washington, D. C.

UNCLASSIFIED

Project "Sign"

OFFICE FLAG  
FULL SIGN  
APPROVED  
CO. TO

4. The form used in interrogating witnesses to sightings is in-  
cluded as a matter of interest. Comment as to possible improvement  
of the "Essential Elements of Information" in regard to routine  
synoptic balloon flights is invited.

5. It is requested that correspondence be forwarded to the  
Commanding General, Headquarters, Air Materiel Command, attention  
MCIAD-3.

FOR THE COMMANDING GENERAL:

*W. R. Clingemom*  
H. H. McCOY  
Colonel, USAF  
Chief, Intelligence Dept

2 Incls: *N/A*  
Summaries 1-172 incl  
"EKI"

Copies furnished:

- AFOIR, Hq. USAF
- Capt Trakowski, Geophysics Lab
- Major Kodis, MCREXP
- Colonel Neal, MCIAMS

OFFICE  
MAIL  
DEL & ADM.  
MCI & DIV.  
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SUPPLY AND MAINT.  
PROC. & TND. MOB.  
PLNG.  
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CENTRAL FILES COPY					

HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS REPORT OF INVESTIGATION	File No. 5D 24-213	Date 21 April 1949
	Report Made By JOHN E. MORRILL	
Title  PROJECT GRUDGE Incident, Toledo, Ohio 9 April 1949	Report Made At DO #5, Wright-Patterson AFB, Dayton, O.	
	Period 18, 19 April 1949	
	Office of Origin DO #5, Wright-Patterson AFB, Dayton, O.	
	Status CLOSED	

Character  
SPECIAL INQUIRY

Reference  
Report of Investigation of S/A JOHN E. MORRILL, DO #5, dated 15 April 1949

Synopsis

*ef*  
*de*

All attempts to locate [redacted] the individual who reported the sightings, were without success. The "Toledo Blade" daily newspaper, published an article on 10 April 1949 describing [redacted] as 15 years of age, with residence at [redacted], Toledo, Ohio. Sources checked include the Toledo Blade, elementary and high schools, post office, local police, county sheriff, state police, and neighborhood checks on Whitford Road. Story telephoned into "Toledo Blade" and no attempt was made by the newspaper to verify the facts alleged in the telephone call. The City Editor of the Toledo Blade, [redacted] will notify this office directly regarding instant and future occurrences of this nature.

*Handwritten note:*  
CENTRAL FILE  
[unclear]  
[unclear]  
[unclear] 0-331

Distribution	Action Copy Forwarded To	File Stamp
CG, AMC, (MCIAKS) (Action) (Incl) 2	CG, AMC ATTN: MCIAKS	
OSI Hq (Incl) 2		
File (Incl) 2		
Approved  <i>J. M. Brain</i> JEROME M. BRAIN Acting District Commander		

FD 24-213  
PROJECT GRUDGE

DETAILS:

1. This phase of the investigation was conducted by Special Agent HARRY FWIE.

AT TOLEDO, OHIO

2. On 18 April 1949, the files of the Toledo Blade, daily newspaper of Toledo, Ohio, were reviewed. An article on page 1 of the 10 April 1949 edition, entitled: "Toledo Has Its Own Flying Discs," stated as follows:

██████████ 15, of ██████████ said he saw three flying discs for about 5 minutes at 11:30 a.m. yesterday as they passed over Herr Rd. and West Central Ave. at a speed of about 40 to 45 miles an hour.

"He said he was sure the round, silver, saucer-like objects were not airplanes."

A photostatic copy of this article is attached as an inclosure.

AT SYLVANIA, OHIO

3. A check of the neighborhood on Whiteford Road on 18 and 19 April 1949, indicated no such addresses as 1517 (original report) or 5617 Whiteford Road. An extensive investigation of the residents of Whiteford Road and vicinity revealed no person having knowledge of ██████████ or an individual with a similar name.

4. The files of the Whiteford Elementary School and of Sylvania High School were reviewed on 18 April 1949 with negative results.

5. On 18 April 1949 the postmaster of the Sylvania Post Office advised that there was no record of a ██████████ family living in the territory serviced by his facility.

AT PERRYBURG, OHIO

6. A search of the records of the Perryburg Station of the Ohio State Patrol on 18 April 1949 revealed no record of the individual nor the incident.

AT TOLEDO, OHIO

7. On 19 April 1949 the records of the Toledo Police Department and the Lucas County Sheriff's Office were searched relative to the

EX-66



UNCLASSIFIED

SD 24-210  
PROJECT GRUDGE

incident with negative results.

8. ██████████ City Editor, Toledo Blade, stated in an interview on 19 April 1949 that the article in the newspaper on 10 April 1949 was the result of a phone call received in the newspaper office. No attempt was made by the newspaper to verify the statements. ██████████ concluded by stating that he would notify the 5th OSI District Office directly of any information coming to his attention relative to instant investigation or any future occurrence of this type.

EXP  
66  
Inclosure:

Photostatic copy of clipping from 10 April 1949 edition of the Toledo Blade.

CLOSED

3  
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Mrs. Hamilton seen at scene  
 Toledo Has Its  
 Own Flying Discs  
 Honey Decker, 15, of 1017 Whittier  
 street, said he saw three flying  
 discs in west Toledo at 11:30  
 p.m. yesterday as they passed over  
 Herr Rd. and West Central Ave.  
 at a speed of about 40 to 45 miles  
 an hour.  
 He said he was sure the round,  
 saucer-shaped objects were not  
 airplanes.  
 Boy Burned To Death

11317



19 Apr 49

SUBJECT: Report on Flying Discs

TO: Major Everett D. Elkins  
Intelligence Officer  
San Bernardino AFB,  
San Bernardino, Calif.

1. On the afternoon of April 7, 1949, between the hours of 1945 and 1950, Lt. [REDACTED] and I, were in a National Guard T-6, working the radio range at Riverside. I was in the front seat acting as observer, and Lt. [REDACTED] was in the rear seat under the hood making his approach down the northwest leg toward the high cone, we were at approximately 3000 feet, and just before we got to the cone of silence, I told Lt. [REDACTED] to lose a thousand feet, as we soon would have run into a cloud layer which was hanging over the range station. In the process of carrying out my order, Lt. [REDACTED] missed the cone so he continued out the southeast leg to make a procedure turn and to attempt once more to hit the high cone.

2. It was while we were going away from the range station on this southeast leg at no more than 7000 feet that I noticed what I at first took to be a tip tank falling at what appeared to be about 1000 feet below us. The reason for this assumption was that it appeared to be red and grey in color and was tumbling in a forward direction. In our own jet squadron at San Bernardino we have one grey and red tip tanks, and I believe my first thought was the result of this association. I watched this object for about four or five seconds, then realizing the possibility that maybe some ship had peeled apart overhead. I looked up and saw what I immediately took to be four parachutes floating about 1000 feet apart but at an undetermined altitude. I could see no spread lines or bodies, but these objects looked just like the canopy of a chute, reflecting a pure white color, not a metallic silver. By this time, we were headed back toward the high cone and in rather close so I let Lt. [REDACTED] hit the cone, then called him out from the hood and told him what I'd seen. He then scanned the skies and spotted the four white objects in nearly the same position previously seen and immediately told me that they were parachutes, thus confirming my first reaction. He then began to climb up to them to see what they were. He started from 7000 feet and by the time we had reached 3000 feet, these objects had vanished in a more or less easterly direction. By this time, our period was nearly over so we returned to our base.

3. I would like to emphasize that all this took place directly over March Field, and that the four objects which we both saw could have been jets, but they maintained this same distance of about 1000 feet apart, and they reflected a pure white color, not the silver metallic color

~~CONFIDENTIAL~~

Subject: Report on Flying Discs

19 Apr 49

which is usually associated with jets. However, the first object which I saw answered quite well to all this talk of discs which has been going around. It was definitely tumbling and was smaller than our T-6. As our movement was relative however, I won't say in which direction it was moving other than it was northerly. I might add here that on one of the news programs of the following day, a reporter announced that three workers in Griffith Park, Los Angeles, had seen a disc.

[REDACTED]

1st Lt, AF CAL NG

EXP 66

[REDACTED]

2nd Lt, AF CAL NG

1st Ind

Sqs, 196th Fighter Squadron, San Bernardino AFB, San Bdn, Cal. 19 Apr 49

TO: Intelligence Officer, San Bernardino AFB, San Bdn, Cal.

Attention is invited to basic communications.

*Theodore A. Suiter*

THEODORE A. SUITER  
Major AF CAL NG  
Commanding

~~CONFIDENTIAL~~

EX 12  
66

Basic ltr: Report, Subj: Rep on Flying Discs, dtd 19 Apr 49, to: Intel Officer, SBAD, fr Lt [redacted] and Lt [redacted]

2d Ind

SSAI/EDE/mlc

Hq SBAD, San Bernardino Air Force Base, California, 22 April 1949.

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

Forwarded for your information.

FOR THE COMMANDING OFFICER:

*Everett D. Elkins*  
EVERETT D. ELKINS  
Major, USAF  
Intelligence Officer

ORIG FILE NO. [redacted]	INITIALS
RECORDS SECT, HQ SBAD	
HQ BR [redacted] L3 BR [redacted]	
EXTRA COPY REM [redacted]	
	RECORD

Hy. Br. Extra Copy  
Retained +  
Symbol: MC19XS  
name: Pearl [redacted]  
Tel: 6-6332

~~CONFIDENTIAL~~

305

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/JEM/fmn

THE INSPECTOR GENERAL USAF  
8TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO: 5D 21-21

18 April 1949

SUBJECT: PROJECT GRUDGE  
Incident, Denver, Colorado, 6 April 1949  
SPECIAL INQUIRY

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

1. Inclosed for your information and any action deemed essential are two copies of report of investigation of Special Agent ROBERT C. LANE, OSI District Office No. 14, Lowry AFB, Denver, Colorado.

2. Your attention is invited to the fact that observers subsequently identified the phenomena as an aerial weather balloon.

3. No further investigative action is contemplated by this office regarding this incident.

1 Incl  
Rpt of Inv dtd 13 Apr 49  
(in dup)

*J. M. Braun*  
JEROME M. BRAUN  
Acting District Commander

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100-5-111

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/JEM/fmn

THE INSPECTOR GENERAL, USAF  
3TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO: 5D 24-21

18 April 1949

SUBJECT: PROJECT GRUDGE  
Incident, Denver, Colorado, 6 April 1949  
SPECIAL INQUIRY

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

1. Inclosed for your information and any action deemed essential are two copies of report of investigation of Special Agent ROBERT C. LANE, OSI District Office No. 14, Lowry AFB, Denver, Colorado.

2. Your attention is invited to the fact that observers subsequently identified the phenomena as an aerial weather balloon.

3. No further investigative action is contemplated by this office regarding this incident.

1 Incl  
Rpt of Inv dtd 13 Apr 49  
(in dup)

*J. M. Braun*  
JEROME M. BRAUN  
Acting District Commander

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A. J. ...  
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HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS REPORT OF INVESTIGATION	FILE NO. 24-25	DATE 13 April 1949	STATUS INDEX SERIAL CLASS FILE
	REPORT MADE BY ROBERT C. LANG, S/A	REPORT MADE AT DO #14, LOWRY AFB	
TITLE Investigation of Unidentified Aerial Object (Stapleton Airport, 8 April 1949)	PERIOD 7, 8 April 1949	OFFICE ORIGIN DO #14, LOWRY AFB	
	STATE		

CHARACTER  
SPECIAL INQUIRY

REFERENCE  
None - This is an Initial Report

SYNOPSIS

On 7 April 1949, the District Commander, 14th OSI District, Lowry AF Base, received a telephonic report from a Special Agent of the FBI, Denver District Office, that he and his wife had sighted a mysterious lighted aerial object, the previous night, while parked at the parking area, Stapleton Airport, Denver, Colorado. The above FBI Agent stated that he did not believe the object he observed was any known aircraft as it traveled extremely fast and erratic. FBI Agent further stated that a Mr. and Mrs. [redacted], Denver, Colorado, who were parked in an automobile next to him, had observed the same aerial object or phenomena. Investigation disclosed that the U. S. Weather Bureau, Weather Station, at Stapleton Field, Denver, had released a 100 gram weather balloon, with a light attached, at approximately the same time that Agent [redacted] and Mr. and Mrs. [redacted] had sighted the above-mentioned object.

On 8 April 1949 at 2000 hours, Agent [redacted] and wife accompanied the writer to the U. S. Weather Station at Stapleton Airport, and watched another weather balloon, with light, released. Agent [redacted] then definitely identified the weather balloon as the object he had seen the previous night.

EXP 62

DISTRIBUTION CG, Lowry AFB (info copy) HQ, OSI DO #5 FILE	ACTION COPY FORWARDED TO 4 Director of Special Investigations 2 Office of the Inspector General, USAF 1 Washington 25, D. C.	FILE STAMP UNited States Air Force THE INSPECTOR GENERAL 13 APR 1949 OFFICE OF SPECIAL INVESTIGATIONS 5TH DISTRICT
	APPROVED <i>[Signature]</i> L. J. [redacted] Major, USAF DISTRICT COMMANDER	ROUTE TO

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CONFIDENTIAL

DETAILS:

1. This investigation was requested by the District Commander, 14th OSI District, Lowry AF Base, who at 1100 hours (MST), 7 April 1949, was telephonically informed by \_\_\_\_\_, Special Agent, Federal Bureau of Investigation, Denver District Office, that on the previous night, 6 April 1949, at approximately 1950 hours (MST), while parked at Stapleton Airport, Denver, Colorado, he had sighted an unidentified aerial object which pursued an extremely fast and erratic flight.

AT DENVER, COLORADO

2. Mr. \_\_\_\_\_, Denver, a Special Agent of the FBI, Denver District Office, was interviewed and stated that he and his wife had been sitting in a parked automobile at approximately 1950 hours (MST), 6 April 1949, in the parking lot at Stapleton Airport, watching commercial aircraft landing and taking off. Mr. \_\_\_\_\_ said that he observed a rather brilliant, bluish, white light coming from the Northwest at a high rate of speed, at approximately fifteen thousand (15,000) feet altitude. Mr. \_\_\_\_\_ said that the light traveled in an erratic, jerky flight and gained altitude as it passed over the airport, rising to about twenty-five thousand (25,000) feet altitude, at which point it seemed to pick up additional speed. Mr. \_\_\_\_\_ further stated that the light seemed to flicker at times and he continued to watch it as it traveled due east for approximately twelve (12) or fifteen (15) more minutes, at which time it disappeared from view. Mr. \_\_\_\_\_ said that a Mr. and Mrs. \_\_\_\_\_ who were sitting in an adjacent car, had observed the same object, and all had concluded that it could not have been an airplane.

3. On 7 April 1949, Mr. and Mrs. \_\_\_\_\_, Denver, were interviewed and stated substantially the following: They had been sitting in their automobile parked in the parking lot at Stapleton Airport at approximately 2000 hours (MST), 6 April 1949, when Mr. \_\_\_\_\_ noticed a bright bluish-white light, coming from the northwest and traveling in an erratic, jerky path at a high rate of speed. Mr. \_\_\_\_\_ stated that the object traveled in a due east direction directly over the airport, gaining altitude as it went. Mr. \_\_\_\_\_ further stated that the object seemed to climb much faster than an airplane and he observed it for approximately twelve (12) to fifteen (15) minutes before it was lost to sight. Mr. KUBZ said that he could not estimate the altitude of the object observed, but he did not believe it was an airplane or a star.

AT STAPLETON AIRPORT

4. Investigation and inquiries made at U. S. Weather Bureau, Weather Station, revealed that a one hundred (100) gram weather balloon with a small light suspended therefrom, was released at approximately 2003 hours (MST), 6 April 1949. This balloon was tracked by optical means, to 2029 hours (MST), at which time the balloon burst or was lost to sight. Weather conditions on 6 April 1949 indicated clear skies with unlimited visibility. Weather conditions

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DETAILS (cont'd)

at 2000 hours (EST), 6 April 1949, as reported by U. S. Weather Bureau, Weather Station. Sky conditions clear, visibility forty (40) miles or more, winds aloft, fifteen thousand (15,000) feet, west northwest, twenty-five (25) knots becoming north northwest forty (40) knots at twenty-five thousand (25,000) feet.

5. On 6 April 1949, Mr. and Mrs. \_\_\_\_\_ accompanied this Agent to Stapleton Airport and at 2000 hours (EST), watched a balloon identical to that referred to in paragraph 4 above, released by the U. S. Weather Bureau Station. After observing the flight of the weather balloon, both Mr. and Mrs. \_\_\_\_\_ positively identified it as the same type object they had observed the night of 5 April 1949.

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CLOSURE

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MEMO ROUTING SLIP		NEVER USE FOR APPROVALS, DISAPPROVALS, CONCURRENCES, OR SIMILAR ACTIONS.	
1	NAME OR TITLE <i>Central File</i>	INITIALS	CIRCULATE
	ORGANIZATION AND LOCATION <i>AFCAF XR-14</i>	DATE	COORDINATION
2			FILE
			INFORMATION
3			NECESSARY ACTION
			NOTE AND RETURN
4			SEE ME
			SIGNATURE
REMARKS			
FROM NAME OR TITLE			DATE <i>2/25/49</i>
ORGANIZATION AND LOCATION <i>mcinda</i>			BY <i>66332</i>

DA FORM 896 1 APR 48 EDITION OF 1 FEB 48 MAY BE USED

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**UNCLASSIFIED**

DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

5D-OSI/JEM/fmm

THE INSPECTOR GENERAL, USAF  
8TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN REPLY REFER TO 5D 24-21-1

18 April 1949

SUBJECT: PROJECT GRUDGE  
SPECIAL INQUIRY

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

1. Reference TWX from Lowry Air Force Base, to your activity, Cite No. LUGB-2089, and telephone conversation between Mr. Towles of your office and Mr. Morrill of this office on 8 April 1949.
2. Inclosed for your information is report of investigation of S/A ROBERT C. LANE, DO #14, Lowry Air Force Base, Colorado.
3. Your attention is invited to the fact that the unidentified objects were subsequently identified as parts of a Japanese Bomb or Incendiary Carrying Balloon.
4. No further investigation is contemplated by this OSI District.

1 Incl  
Rpt of Inv dtd 7 Apr 49

*[Signature]*  
JEROME M. BRAUN  
Acting District Commander

Morrill 4-11-49

*Transmitted on 4/18/49  
Personnel - 8 - 49  
Extra copy - 66332*

**UNCLASSIFIED**

4-49

HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS REPORT OF INVESTIGATION		FILE NO. 24-34	DATE 7 April 1949
TITLE Integral Part of a Japanese Bomb and Incendiary Carrying Balloon (HOOKER Ranch, Delta, Colorado)		REPORT MADE BY ROBERT C. LAWE, S/A	AI
		REPORT MADE AT DO #14, LOWRY AFB	
		PERIOD 2, 4, 5, 8, April 1949	
		OFFICE OF ORIGIN DO #14, LOWRY AFB	
		STATUS CLOSED	
CHARACTER Special Inquiry			
REFERENCE None - This is an initial report.			
SYNOPSIS <p>On 2 April 1949, Mr. [REDACTED], Maintenance Engineer, Westinghouse Electric Co., Denver, Colorado, telephonically informed the Deputy District Commander, 14th OSI District that he was in possession of an unidentified object found on a ranch near Delta, Colorado, and he believed it to be a part of a rocket. Mr. [REDACTED] said that larger portions of this same mysterious object were still lying on the ranch of Messrs. [REDACTED] and [REDACTED] near Delta, Colorado. Agent ROY S. BURKEY and the writer proceeded from Denver to the [REDACTED] Ranch, Delta, Colorado, conducted a thorough search of the area and questioned all persons concerned, and recovered two (2) additional portions of the same object. Investigation revealed this object to be an integral part of a Japanese Bomb or Incendiary Carrying Balloon. The recovered parts of this object are in the custody of the District Commander, 14th District OSI(IG), Lowry AF Base, Colorado.</p>			
DISTRIBUTION		ACTION COPY FORWARDED TO	FILE STAMP
HQ, OSI	4	Director of Special Investigations, Office of the Inspector General, USAF Washington 25, D. C.	
CG, Lowry AFB(Info)	2		
DO #5	2		
FILE	1		
		APPROVED	
		 L. J. ERIEST Major, USAF DISTRICT COMMANDER	

EXP  
6

DETAILS:

1. This investigation was requested by the District Commander, 14th OSI District, Lowry AF Base, on 2 April 1949, who was telephonically informed by Mr. [REDACTED], Denver, Maintenance Engineer for Westinghouse Electrical Co., that he was in possession of an object that he believed to be a part of a rocket or guided missile.

AT DENVER, COLORADO

2. This is a joint investigation of Special Agents ROY S. SUNKER, FREDERICK K. JENGERER and the writer.

3. At 1120 hours, 2 April 1949, this agent interviewed Mr. [REDACTED], at his office, Room 1025, Gas & Electric Building. Mr. [REDACTED] produced a semi-circular object, approximately nine (9) inches long, with eight (8) nozzles protruding along entire inner surface of arc. Above object was constructed of a rough aluminum, magnesium material, with brass or brass alloy, nozzle like projections that threaded into inner curve of arc at approximately one half (1/2) inch intervals. This object was not identifiable as a part of any known aircraft engine, jet engine, or rocket. Mr. [REDACTED] stated that this object was found by a Mr. [REDACTED], a rancher, whose ranch was located near Delta, Colorado, adjacent to the Uncompahgre National Forest. [REDACTED] said that [REDACTED] had picked up the object while riding the northern range limits of his ranch, and that several other similar portions were still lying on the [REDACTED] ranch. In Mr. [REDACTED] opinion, [REDACTED] had discovered the objects thirty (30) to sixty (60) days prior. Mr. GUY HOCKER gave Mr. SCHENVILLE the portion he had, to identify it, and Mr. [REDACTED] brought the above mentioned object to Denver. (See Exhibits 2, 3, 4, 5, 6, 7).

AT LOWRY AIR FORCE BASE, COLORADO

4. The following interviews were conducted by Special Agent FREDERICK K. JENGERER.

5. Upon examination of metal article, 1st Lt. JOSEPH P. L. BERNIER, OIC, Bomb & Rockets Branch, 5415th Technical Training Wing, stated that he did not recognize it as anything within his scope of knowledge. It was Lt. BERNIER's opinion that the detachable nozzle-like parts were some sort of metering jets possibly used in large type rockets. As to its size Lt. BERNIER stated that if the part were from a rocket or guided missile, it would be from the White Sands Proving Grounds, New Mexico.

6. M/Sgt. HUGH J. SEIZALE, AF 6652021, NCOIC, Machine Shops, Lowry AF Base, measured the metal parts and came to the conclusion that all dimensions were in the metric system. The threads of the nozzle-like parts are not of a standard U. S. size.

DETAILS (cont'd)

7. Captain HENRY C. MACQUEEN, AO-364861, Tech Inspector, Lowry AF Base, stated that the metal part was definitely not part of a Jet engine and that it was not any part known to him.

8. Captain DARWIN D. CHARBONNEAUX, AO-37013, OIC, Inspection & Flight Test Section, Lowry AF Base, stated that he had returned from schooling at Aero Jet Engineering Corporation, Azusa, California, 25 March 1949. The Aero Jet Engineering Corporation is presently building rockets for the U. S. Government. During his schooling, Captain CHARBONNEAUX became familiar with all types of Jet engines and rockets, including the V-1 and V-2 rockets. Upon examination of the metal part presented by this agent, Captain CHARBONNEAUX stated that it was unlike any part of any rocket constructed by the U. S. He also stated that in his opinion the section shown was part of a diffuser ring or injection ring used in some type of rocket. When used in a rocket, a diffuser or injection ring is not subjected to intense heat, according to Captain CHARBONNEAUX.

AT DELTA, COLORADO

9. On 5 April 1949, Special Agent ROY E. BURKEY and the writer contacted Messrs. [redacted] and [redacted] at their ranch, approximately eight (8) miles southwest of Delta, Colorado. Mr. [redacted] stated that he had discovered the unidentified objects while riding range, in the latter part of April 1946. At that time, Mr. [redacted] stated that he was slightly curious as to what said objects might be; however, he left them lie until April 1949, at which time he brought the objects back to the ranch house and attempted to identify them, giving one each of the fragments or portions to Mr. [redacted] of Denver, and Mr. [redacted] of Montrose, Colorado. (See attached clipping, Exhibit I). Mr. [redacted] accompanied Agent BURKEY and writer to the approximate location where objects were first found, on a high, extremely rocky mesa, approximately two and one half (2 1/2) miles from his ranch house. A thorough search was conducted, of this inaccessible area, with negative results. An examination of available maps of locality where objects were found, indicated position by map co-ordinates, as thirty eight (38) degrees, forty two (42) minutes north and one hundred eight (108) degrees ten (10) minutes, thirty (30) seconds west. Mr. [redacted] gave Agent BURKEY the object which he still had in his possession; this was identical with that received from Mr. [redacted] except it was longer, being approximately twenty (20) inches in length. Mr. [redacted] and [redacted] both stated that neither they or any of their neighbors had ever seen any "flying discs", rockets, or balloons in their area.

AT MONTROSE, COLORADO

10. Mr. [redacted] was interviewed and stated that he had received a nine (9) inch fragment of the object found on the [redacted] ranch at Delta. [redacted] stated that he believed the object to be a portion of a so called "flying disc", as he had observed many of them, during the summer of 1947. Mr. [redacted] further stated that in June 1947 while flying in



DETAILS (cont'd)

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a light private aircraft, he had sighted a circular disc which seemed to be suspended from a parachute or balloon. This circular object when viewed through ten (10) power binoculars, seemed to be a flame along the entire inner edge of disc or circle. Mr. [redacted] said that the object ascended to approximately twenty-five (25) thousand feet and he was unable to keep it in sight. Mr. [redacted] gave the nine (9) inch fragment of the unidentified object to this Agent.

AT LOWRY AIR FORCE BASE, COLORADO

11. An examination of available research material disclosed that above mentioned objects were an integral part of a Japanese Bomb or Incendiary Carrying Balloon. Page 2061, C.H.I. Weekly, Volume IV, No. 26, dated 27 June 1945, contains a descriptive article on same and pictures found between pages 2046-2047 of the same volume will substantiate this theory.

12. Enclosed as exhibits: Exhibit I, newspaper clipping of Mr. CLUBE and fragment of object. Exhibits II, III, IV, V, VI, VII, 8"x10" photos of the three fragments. *not received at 5th Dist*

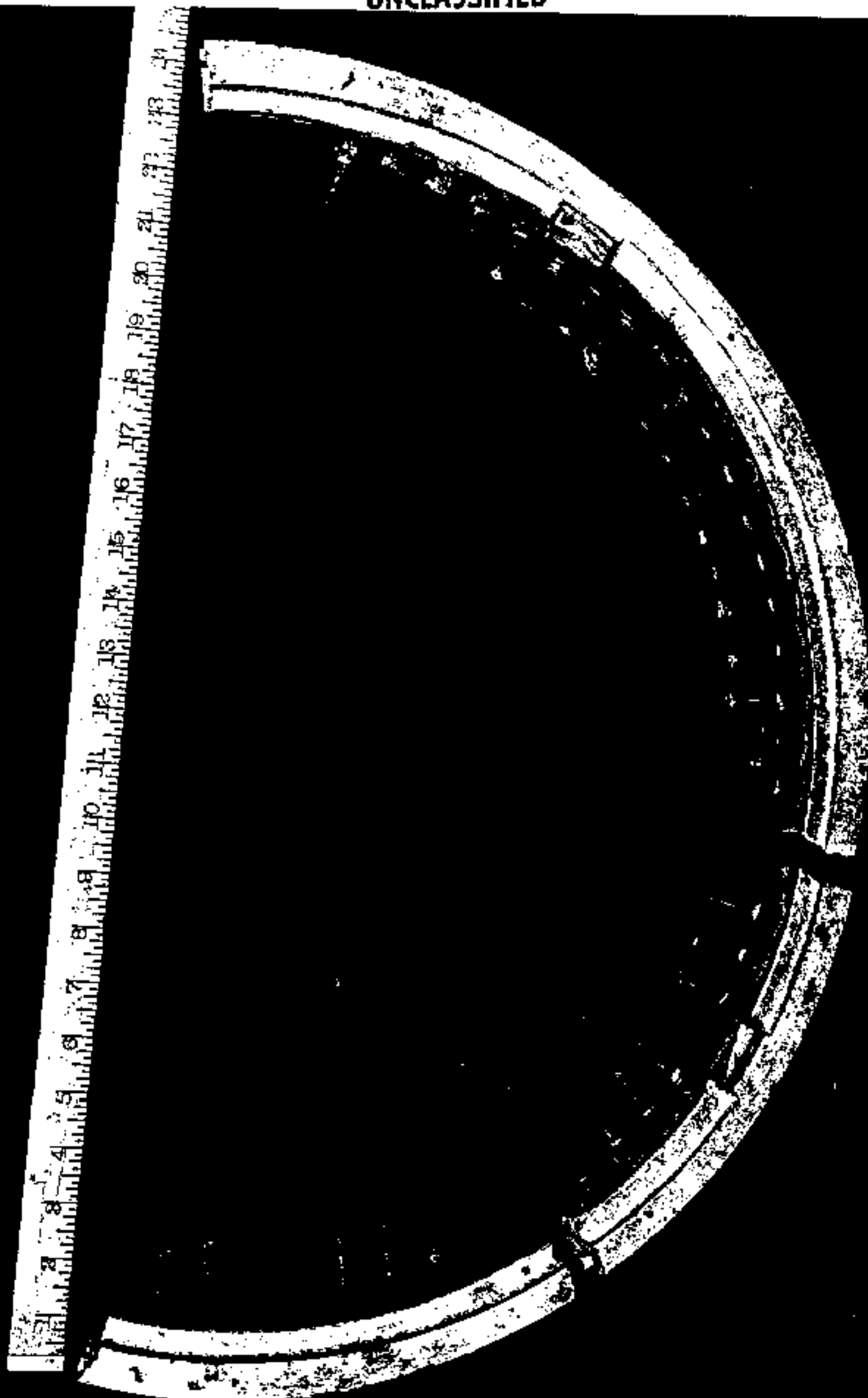
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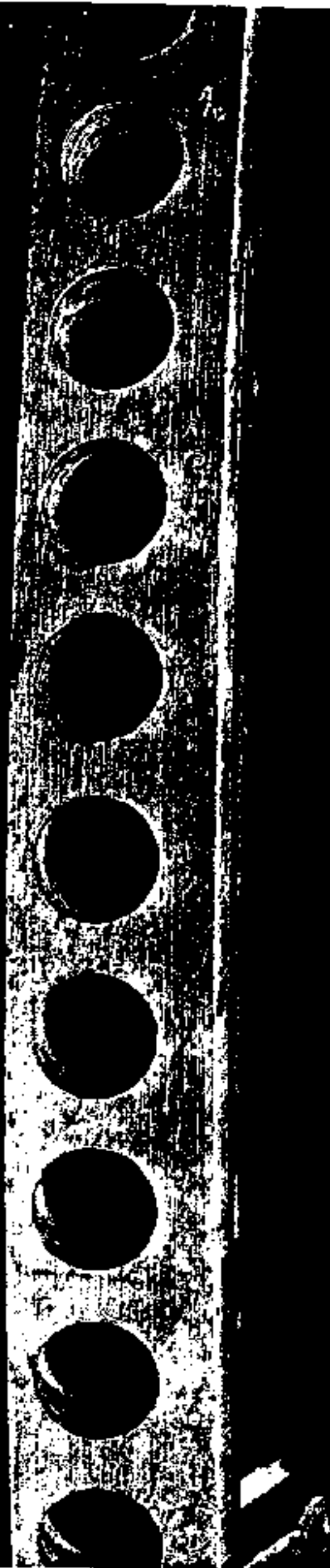


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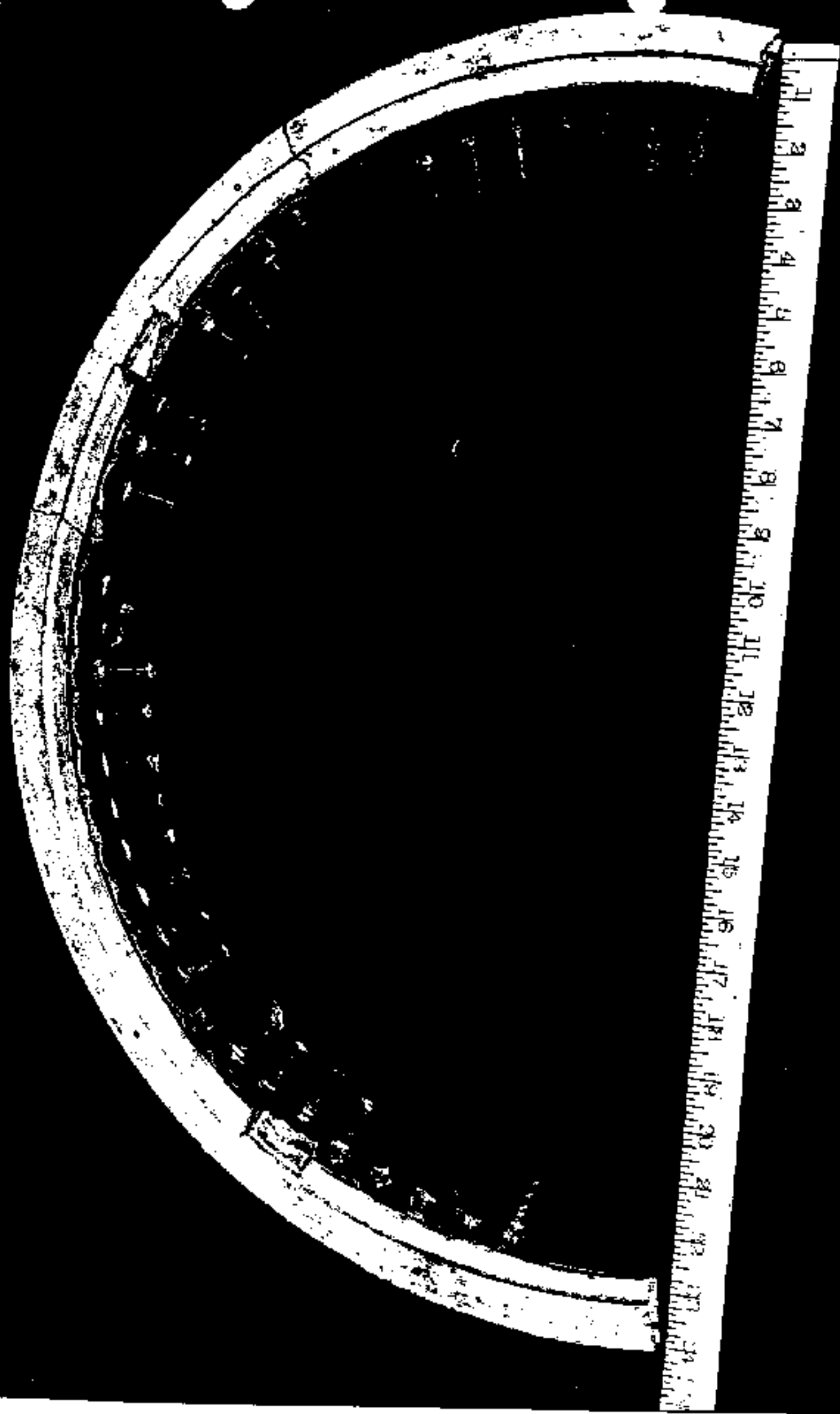
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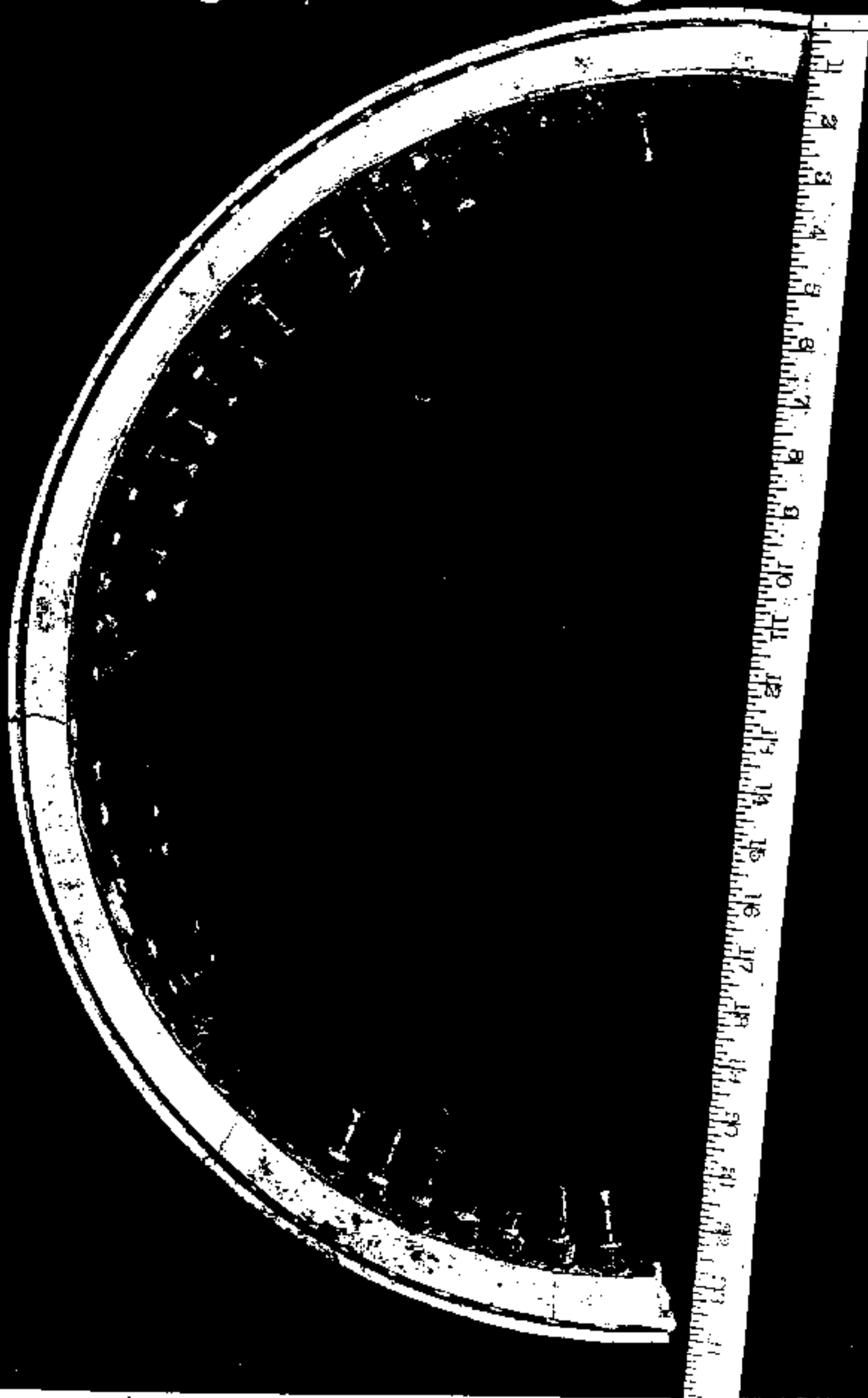
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537F 6-3416TTW 7 APRIL 49 OSI CASE 24-24



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1	NAME OR TITLE <i>Central Files</i>	INITIALS	CIRCULATE
	ORGANIZATION AND LOCATION <i>MCAG XR-14</i>	DATE <i>7/26</i>	COORDINATION
2			FILE
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REMARKS			
FROM NAME OR TITLE		DATE	
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		<i>62332</i>	

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HEADQUARTERS

AIR MATERIEL COMMAND

WRIGHT-PATTERSON AIR FORCE BASE

DAYTON, OHIO

MCIAXS/GWT/dmt

APR 14 1949

IN REPLY ADDRESS BOTH  
COMMUNICATION AND EN-  
VELOPE TO COMMANDING  
GENERAL, AIR MATERIEL  
COMMAND, ATTENTION FOL-  
LOWING OFFICE SYMBOL:

MCIAXS

SUBJECT: Request for Investigation - Project "Grudge"

TO: Commanding General  
Lowry Air Force Base  
Denver, Colorado  
ATTN: Base Intelligence Officer

1. Reference is made to your incoming Confidential Message LUGB 2102, reporting the sighting of flying disc over Stapleton Air Field on 6 April 1949.

2. It is requested the Base Intelligence Officer initiate an investigation and obtain detailed information as outlined in the inclosed Guide to Investigation.

3. It is particularly desired that theodolite readings of weather balloon observations made during or just prior to this sighting, be obtained.

4. The possible release of testing devices employed in upper air research by various universities should not be overlooked.

5. Results of this investigation should be directed to Commanding General, Headquarters, AMC, Wright-Patterson Air Force Base, Dayton, Ohio, Attn: MCIAXO-3.

FOR THE COMMANDING GENERAL:

*W. R. Clingerman*  
LT. COL. - USAF

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

1 Incl.  
Guide to Investigation  
(lcy)

*Message # 11 - 3333  
Approved for release*

~~CONFIDENTIAL~~

*200-47*

This form replaces Hq AMC 18-4A (30 Jun 48), Hq AMC 18-51B and 18-51C, existing stocks of which will be used until exhausted.

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~~CONFIDENTIAL~~

MCIAXS

14 April 1949

Subject: Request for Investigation - Project "Grudge"

RB 000.9

1st Ind.

FAW/mp

Headquarters, 3415th Technical Training Wing, Lowry Air Force Base,  
Denver, Colorado, 18 April 1949

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

1. AF Form 112 on the above project was compiled by this office on 11 April 1949, but waiting on the copy of the 14th District OSI Report, the completed report with OSI Investigation Report was not forwarded your office until 19 April 1949. Due to the delay in receiving the OSI Report, a letter was forwarded to your command dated 13 April 1949, with information that the case was completed and positive identification made of alleged unconventional aircraft. Object was identified as being the U. S. weather balloon released at the U. S. Weather Station, Stapleton Airport, at 2003 hours MST, 6 April 1949. Our incident number is LAFB 000.9-2.

2. Due to the fact that your inclosed form is a duplication of AF Form 112, which has been forwarded, we are extracting your special form as an information copy for this office. If after reviewing our completed form 112, it is still desired to have us compile your special form, please advise us.

*Wm. A. Wiltberger*

WM. A. WILTBERGER  
Major, USAF  
Wing Intelligence Officer

1 Incl: w/d

SEARCHED	INDEXED
SERIALIZED	FILED
APR 15 1949	
WRIGHT-PATTERSON AIR FORCE BASE	

*Wm.*

*Yes*

*✓*

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*M. J. ...  
Personnel ...  
By Serial 66332*

~~CONFIDENTIAL~~

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1	NAME OR TITLE <i>Central Files</i>	INITIALS	CIRCULATE
	ORGANIZATION AND LOCATION <i>MCABRR-14</i>	DATE	COORDINATION
2			FILE
			INFORMATION
3			NECESSARY ACTION
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			SIGNATURE
REMARKS			
FROM NAME OR TITLE		DATE <i>1/26</i>	
ORGANIZATION AND LOCATION <i>McClay</i>		TELEPHONE <i>66534</i>	

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FULL SIGNATURE IN  
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AIR INSPECTOR

MCIAXS

PUBLIC INF. OFFICE

COMPTROLLER

PERSONNEL & ADM.

RESEARCH & DEV.

INTELLIGENCE

*B. Towles*  
*W. H. Ryan*

SUPPLY AND MAINT.

PROC. & IND. MOB.  
PLNG.

OTHER

MCIAXS/GWT/dmt

APR 14 1949

SUBJECT: Request for Investigation - Project "Grudge"

TO: Commanding General  
Lowry Air Force Base  
Denver, Colorado  
ATTN: Base Intelligence Officer

1. Reference is made to your incoming Confidential Message LUGB 2102, reporting the sighting of flying disc over Stapleton Air Field on 6 April 1949.
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3. It is particularly desired that theodolite readings of weather balloon observations made during or just prior to this sighting, be obtained.
4. The possible release of testing devices employed in upper air research by various universities should not be overlooked.
5. Results of this investigation should be directed to Commanding General, Headquarters, AMC, Wright-Patterson Air Force Base, Dayton, Ohio, Attn: MCIAXO-3.

FOR THE COMMANDING GENERAL:

*[Signature]*  
S. R. CLINGERMAN  
Colonel, USAF  
Acting Chief,  
Intelligence Department

1 Incl  
Guide to Investigation  
(1cy)

*Inclusion for  
available for file*

*MIC NEXF 11 - 833.5 - Investigation - General*

AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NOT APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK	ORIG. FILE COPIES TO		EXTRA COPY RETAINED	OFF. SYMBOL	INITIALS
	RECORDS SEC. ADD	LAB. BR.		MCIAXS	DT
HQ. BR.	LAB. BR.	27	2pc	66332	

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**UNCLASSIFIED**

HEADQUARTERS THIRD ARMY  
ATLANTA 3, GEORGIA

AJACI-3 452.9

13 April 1949

SUBJECT: Unconventional Aircraft

TO : COMGENAMC  
Wright-Patterson AFB  
Dayton, Ohio  
ATTENTION: MCI (Control No. A-1917)

Inclosed herewith newspaper clipping on unconventional aircraft sighted over Charlotte, N.C., 7 April, supporting TWX this headquarters, this date.

FOR THE COMMANDING GENERAL:

*[Signature]*  
C. A. BICHNIS  
Lt. Col., G-2  
Executive Officer  
AC of S, G-2  
JOHN MEADE  
Colonel, GSC  
AC of S, G-2

1 Incl:  
Newspaper clipping S, G-2

CENTRAL FILES  
*[Handwritten notes]*  
Mount - 66382

*Meade 4-11-49*

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**UNCLASSIFIED**

4-19

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## Strange Object Seen Over City

A swift aerial visitant, moving at dizzy altitude, abruptly appeared in the heavens near Memorial stadium around 9:45 o'clock last night and, after a brief excursion, disappeared at a rate of speed which made startled and mystified observers gasp in awesome amazement.

Temporarily the elusive people who saw the huge flying object insisted that it was not optically illusive—in the upper clouds traveler diverted the attention of many spectators from the Southeastern Championship rodeo then in progress in the stadium.

L. W. Mullis of 1411 Thomas avenue, one of the first persons to discern the weird visitor, excitedly showed it to Haskell Deaton, proprietor of Plaza airport, a recognized authority on aircraft.

"That's not aircraft," Mr. Deaton emphatically observed after anxiously eyeing the immense visitor in the skies, aloft at least 12,000 feet on the basis of his estimate. "No, it's not a jet propulsive job or any other kind of flying machine." He guessed it to be at least 20 feet in length.



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HEADQUARTERS  
NEWFOUNDLAND BASE COMMAND

FORT PEPPERRELL, ST. JOHN'S, NFLD.  
APO 862, 46 POSTMASTER, N.Y., N.Y.

12 April 1949

IN REPLY  
REFER TO \_\_\_\_\_

SUBJECT: Unidentified Aerial Phenomena

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

CENTRAL FILES  
13 Br - Ex cy.  
Muniment - 66332

*Vertical handwritten note:*  
11-333.5  
Strawberry  
gallons

1. Reference is made to classified message, date-time group 192130Z March 1949, Headquarters, 1225th Air Base Group, APO 677, Goose Bay, Labrador. The following additional information was submitted by the Commanding Officer, Goose Bay and is forwarded in accordance with instructions contained in USAF Air Intelligence Requirements Memorandum No. 4, dated 15 February 1949, and letter, Headquarters, MATS, dated 20 October 1948, Subject: Reporting of Information on "Flying Discs"

a. On 19 March 1949 the Commanding Officer, Detachment Crystal I, Fort Chimo, Quebec, Canada advised that on 18 March 1949 at 1950Z, an unidentified object displaying a red light was sighted over that station. This object was estimated to be at approximately ten thousand (10,000) feet altitude and traveling from west to east at approximately two hundred (200) miles per hour.

b. The Operations Officer, 1227th Air Base Group, Goose Bay, Labrador was interviewed and stated that to the best of his knowledge, and according to the information on hand at that station, there were no known aircraft in the vicinity of Crystal I at the time of the reported sighting.

c. The Operations Officer, RCAF, Goose Bay advised that no RCAF aircraft from Goose Bay, Churchill or Ottawa were flying in the vicinity of Crystal I at the time of the sighting.

d. Local weather conditions at Crystal I at the time of sighting were as follows:

Ceiling - unlimited  
Sky conditions - scattered stratus estimated at 1400 ft  
Visibility - 15 miles

5-35916

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*Handwritten mark:* 4-23

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Basic - Ltr, NBC, 12 Apr 49, Subj: Unidentified Aerial Phenomena

Temp - plus 5 degrees  
 DP - minus 5 degrees  
 Wind - S, 16 mph  
 Sea level press - 29.29 milibars  
 Weather testing device released at 1600 EST  
 Winds aloft report could not be taken because of sky condition  
 Time of last release of weather testing device was 1600 EST.

2. The attached statements were obtained from observers who, in the opinion of the Intelligence Officer, Goose Bay, Labrador, are completely reliable.

FOR THE COMMANDING GENERAL:

*Marion C. Miller*  
 MARION C. MILLER  
 Major, Inf (USAF)  
 AC/S, Intelligence

6 Incls:

1. Ltr, Crystal I dtd 18 Mar 49  
 2. Statement - Lt [redacted]  
 3. " - Lt [redacted]  
 4. " - F/O [redacted]  
 5. " - WOJG [redacted]  
 6. " - Mr. [redacted]

Exp 4

Copies furnished:  
 Commander, MATS, Attn: Chief, Int Div  
 CS, USAF, Attn: Dir, Int Div, DCS/O

CENTRAL FILES  
*[Handwritten signature]*  
 Files Sec-Ext copy  
 Personnel-66332

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DETACHMENT CRYSTAL ONE  
Hq & Hq Sq  
1227th AF Base Group  
Newfoundland Base Command  
APO 677 New York, N.Y.

CLASSIFICATION  
CHANGED TO:  
~~CONFIDENTIAL~~  
CONFIDENTIAL  
CA, NBC/MATS  
Merion C. Miller Maj. USAF  
13 Apr 49

18 March 1949

SUBJECT: Unidentified Aerial Object.

TO: Commanding Officer  
1227th AF Base Group  
Newfoundland Base Command  
APO 677 New York, N.Y.

CENTRAL FILES  
By Br. Ex. copy  
Reference 66332

1. In accordance with existing regulations the following report of sighted unidentified aerial object is submitted:

a. Description of Object:

1. Time: 1950 hours 18 March 1949.
2. Described as aircraft red lights.
3. Altitude approximately 10,000 Feet.
4. Direction of travel: West to East.
5. Approximate Speed: 200 to 250 miles per hr.
6. Object observed for approximately three (3) minutes.
7. Sound: None reported.

- 5 Incls:
- 1-Statement (Lt. [redacted])
  - 2-Statement (Lt. [redacted])
  - 3-Statement (F/O [redacted])
  - 4-Statement (WOJG [redacted])
  - 5-Statement (Mr. [redacted])

/s/ claude b. sherwood  
ft/ CLAUDE B. SHERWOOD  
Capt, USAF  
Commanding

A TRUE COPY

*Edward R. Giles*  
EDWARD R. GILES  
Captain USAF  
Intelligence Officer

New York File - 3335 for no info

66

Inc #1

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*C. G. NBC/MATS  
Marion C. Miller Maj Gen USAF*

*13 Apr 49*

18 March 1949

The weather conditions prevailing at approximately 1955 hours at Crystal One, were, ceiling unlimited, visibility 15 miles, temperature 5 degrees F., and the wind 16 miles per hour, from the direction of South.

/s/ Charles W. Johnson  
/t/ CHARLES W. JOHNSON  
1st Lt. USAF  
Base Operations Officer

A TRUE COPY

*Edward R. Giles*

EDWARD R. GILES  
Captain USAF  
Intelligence Officer

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*Unit #2*

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~~CONFIDENTIAL~~  
STATEMENT

~~CONFIDENTIAL~~  
CH. NBE/NATS  
Major C. Miller Maj. J. [unclear]  
16 March 1949: 13 APR 49

At approximately 1955 I looked out of the window of the Officers Quarters at Detachment Crystal One to see what the weather conditions were. Flying Officer [redacted] of the Royal Canadian Air Force, came to the window and called my attention to a light that was moving across the sky from west to east. It appeared to be a light of an aircraft.

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The aircraft was flying at an altitude of approximately 10,000 feet and at a fairly high rate of speed. It traveled on a constant heading from West to East for about 5 minutes and then made a turn to the South. I then lost sight of it.

/s/ [redacted]  
/t/ [redacted]  
1st Lt. USAF

A TRUE COPY

*Edward R. Ferles*  
EDWARD R. FERLES  
Captain USAF  
Intelligence Officer

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CLASSIFICATION  
DECLASSIFIED TO  
~~CONFIDENTIAL~~  
US NAC/MAIS  
Major C. Miller Maj (USAF)  
13 APR 49

15 March 1949

At approximately 1950 hours I went to the window of the Hotel Lounge Room to ascertain if the sky was clear. I saw a number of stars in the sky and noted a moving light which appeared to me to be the light of an aircraft. The light was moving very fast and appeared to be red in color. The light appeared to move at the normal speed of an aircraft in flight and was moving in direction from west to east. While looking at this moving light Lieutenant [redacted] came to the window, I called his attention to the light and he said "It's an aircraft" and he then went to Captain [redacted] room to advise him. I continued to watch the light until it disappeared towards the east. Other personnel in the room went outside to get a better view of the light, I remained in the lounge room. Although the light appeared to be a light of an aircraft I heard no sound to indicate that it was an aircraft.

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/s/ [redacted] f/o  
/t/ [redacted] F/O  
RCAF Liaison Officer

A TRUE COPY

*Edward R. Jirles*

EDWARD R. JIRLES  
Captain USAF  
Intelligence Officer

Check 4/4/49

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QA NBC/MATS  
Marion C. Miller, Maj. Gen. USAF  
13 APR 49

15 March 1949

At approximately 1950 hours I, was called to the window in the Hotel day room, facing South, by Flying Officer Brodribb, RCAF, and Quote. Do you see that light moving, which I did. The light was moving in the direction of west to east. The rate of speed appeared to be that of a C-47 airplane. I viewed this movement for approximately three (3) minutes. I then went outside and watched the light disappear to the east. The altitude appeared to be very high.

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bc

/s/ [redacted]  
/t/ [redacted]  
WOJG, USAF

A TRUE COPY

*Edward R. Jones*  
EDWARD R. JONES  
Captain USAF  
Intelligence Officer

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C.G. NBC/MHS  
Marion C. Miller, Sr. (USAF)

13 Apr 49

13 March 1949

This is to certify that at approximately 1950 hours EST a light was observed moving in an easterly direction. The light appeared to be on an aircraft and was on a redish color, and traveling at an estimated speed of 200 miles per hour, Maximum. This light had a flickering effect and did not travel at a constant speed, but seemed to halt and proceed at normal speed at intervals. The light was observed for approximately two minutes before disapperaring from sight. This light was watched by the undersigned from outside of the building, from a position about 10 feet from the northeast corner of building. A noise that could be associated with the light could not be heard.

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/s/  
/t/

[Redacted Signature]

(Civ)  
(Civ)

Accountant ( Property & Cost)  
Headquarters, MATS

A TRUE COPY

*Edward R. Piries*

EDWARD R. PIRIES  
Captain USAF  
Intelligence Officer

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HEADQUARTERS  
2584TH AF RESERVE TRAINING CENTER  
MEMPHIS MUNICIPAL AIRPORT  
MEMPHIS 2, TENNESSEE

11 April 1949

HP  
WDC/WOP/ent  
Please Address Reply to:  
COMMANDING OFFICER  
2584th AF RES TR CTR  
Memphis 2, Tennessee

SUBJECT: Unidentified Aerial Objects

TO: Commanding General  
14th Air Force  
Orlando, Florida  
ATTN: Director of Intelligence

1. The Press-Scimitar of 8 April 1949, published in Memphis, contained a story concerning unidentified aerial objects seen by residents of this city.

2. This office interviewed Mr. [redacted] reporter for the Press-Scimitar who covered the story, to see what additional information could be obtained. He had no additional information and was of the opinion himself that the reports by the residents of this city were without factual basis.

3. The persons mentioned in the story were themselves interviewed concerning the incident. Mrs. [redacted] who had first reported it, stated she had seen these unidentified aerial objects in the west at approximately 2400 hours between the 6th and 7th of April. They seemed to be about one-quarter the size of the moon and resembled silver-like stars; several were seen at the same time. From her description the motions of the objects resembled either loops or alternate zooming and diving. Allegedly one went over her house at an undetermined altitude. She stated that the actions seemed to be controlled and in her words "went so far then hovered and then changed directions". She stated that they seemed to move out of the path of planes. These objects were again allegedly seen at approximately 0100, 0200 and 0330 hours on 7 April 1949. Mr. and Mrs. [redacted] and their son, [redacted] age 11, stated that they allegedly have seen same also at the times and dates specified above. The address of the latter family is [redacted] Memphis, Tennessee.

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HP.

SUBJECT: Unidentified Aerial Objects

11 April 1949

4. No aircraft were reported in this vicinity that could possibly have been the aerial objects referred to above at the times and dates mentioned. In this respect, Air Force activities, National Guard and Naval Operations were checked.

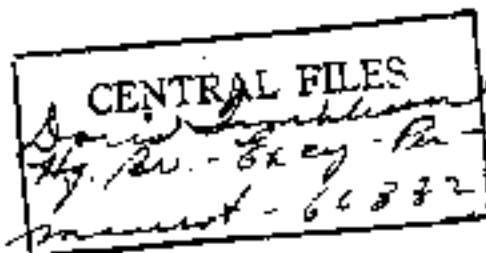
5. For your further information, inclosed is a photograph sent by Associated Press to the Memphis newspaper pertaining to an alleged "flying disc" fragment found in western Colorado. No further information pertaining to this available in this vicinity.

6. In respect to the information contained in the first four paragraphs, no confirmation has been received or apparently can be obtained on factual basis for reasonable explanation available.

FOR THE COMMANDING OFFICER:

*William O. Pointer*  
WILLIAM O. POINTER  
Captain, USAF  
Adjutant

1 Incl  
Photograph



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BRIEF: Ltr fr 2564th AFRTC, Memphis, Tenn, Subj: Unidentified Aerial Objects, 11 April 1949

HP

1st Ind

9 APR 1949

HQ FOURTEENTH AIR FORCE, OAFB, Orlando, Florida

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

Forwarded for your information and action deemed necessary.

FOR THE COMMANDING GENERAL:

*[Handwritten Signature]*

J. CARMICHAEL  
USAF  
Major General

1 Incl  
n/c

CENTRAL FILES  
*W. J. ...*  
*By. Bu-66332*  
*moment - 66332*

*yes*  
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IDEN-169)-4/1/49 DENVER, COLO. [REDACTED] HONGROSE, COLO., SAU [REDACTED]  
"Flying disc" fragment he found in Western Colorado on Uncompahgre Plateau.

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

DR/JLB/web

File No: 24-8

6 April 1949

SUBJECT: UNKNOWN (Aerial Phenomena)

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

1. Reference is made to Report of Investigation, this district, dated 1 April 1949, file number and subject as above.

2. Telegraphic request was forwarded to District Office No. 23, for a check of the Fort Worth Flight Service Center as to the possible presence of a jet type aircraft in the area of Tucumcari, New Mexico, at approximately 1800 hours on 27 March 1949. There was no record of such aircraft having been in the appropriate area at that time.

3. This letter is written in lieu of a formal report so that the information regarding the non-probability of a jet-propelled aircraft in the area concerned might be considered in conjunction with referenced report.

4. Investigation will be continued, and further reports submitted as occasion arises.

DOYLE REES  
Lt Col, USAF  
District Commander

CENTRAL FILES  
World War II  
1945-46 Br B.  
movement - Ex 66 332

SEARCHED	INDEXED
SERIALIZED	FILED
APR 11 1949	
KIRTLAND AFB, N.M.	

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*Wright 11 - 2053  
X 319.1  
Reports returned*

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MEMO ROUTING SLIP		NEW	SEE FOR APPROVALS, DISAPPROVALS, REFERENCES, OR SIMILAR ACTIONS	
1	NAME OR TITLE <i>Central Files</i>	INITIALS	<input type="checkbox"/>	CIRCULATE
	ORGANIZATION AND LOCATION <i>MCA G X R 14</i>	DATE <i>4/26/64</i>	<input type="checkbox"/>	COORDINATION
2			<input type="checkbox"/>	FILE
3			<input type="checkbox"/>	INFORMATION
4			<input type="checkbox"/>	NECESSARY ACTION
			<input type="checkbox"/>	NOTE AND RETURN
			<input type="checkbox"/>	SEE ME
			<input type="checkbox"/>	SIGNATURE
REMARKS				
FROM NAME OR TITLE				
ORGANIZATION AND LOCATION <i>Memphis</i>				
DATE <i>4/26/64</i>				

DA FORM 896 APR 58 EDITION OF 1 FEB 64 MAY BE USED 16-52000-1 GPO

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

DR/JLB/web

File No: 24-3

1 April 1949

SUBJECT: UNKNOWN (Aerial Phenomena)

TO: Commanding Officer  
Kirtland Air Force Base  
Kirtland Field, New Mexico  
ATTN: Inspector General

*(Handwritten signature/initials)*

1. Reference is made to Report of Investigation, this district, dated 23 March 1949, file number and subject as above.

2. Attached for your information are four (4) copies of Report of Investigation, this district, dated 1 April 1949, file number and subject as above. The form utilized as the "Details" portion of attached report is that desired by Project "Grudge" which is responsible for the overall investigation of unidentified aerial objects.

3. This is a supplemental report. Investigation of this incident is continuing and further reports will be forwarded as they are received.

4. Request that two (2) copies of the attached report be forwarded to Commanding General, Air Materiel Command, ATTN: MCLAKO-3.

*(Handwritten signature)*

DOYLE REES  
Lt Col, USAF  
District Commander

1 Incl  
Rpt of Inv (quad)

CENTRAL FILES

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Basic: Ltr fr 17th Dist OSI, KAFB, to CO, KAFB dtd 1 Apr 49. Subj:  
"Unknown (Aerial Phenomena)"

AG *1170* 1st Ind OMN:jb  
HEADQUARTERS, Kirtland AF Base, Kirtland Field, N. Mex., 6 April 1949

TO : Commanding General, AMC, Wright-Patterson AF Base, Dayton, Ohio.

Forwarded for your information in connection with the report  
of investigation forwarded from this Headquarters on 14 Dec 48 by 1st  
Ind to letter same subject as above.

FOR THE COMMANDING OFFICER:

1 Incl: n/c (2 cys w/d)

*Oliver M. Noland*  
OLIVER M. NOLAND  
Captain, USAF  
Adjutant

CENTRAL FILES  
*M. J. ...*  
*23 F. ...*  
*By ...*

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*4-17*  
KAFB 3729

HEADQUARTERS UNITED STATES AIR FORCE THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS <b>REPORT OF INVESTIGATION</b>		FILE NO. <b>24-8</b>	DATE <b>1 April 1949</b>
TITLE  <b>UNKNOWN</b>  <b>(Aerial Phenomena)</b>		REPORT MADE BY <b>JACK L. BOLINI</b>	
		REPORT MADE AT <b>DO # 17, Kirtland AFB</b>	
		PERIOD <b>30 March 1949</b>	
		OFFICE OF ORIGIN <b>DO # 17, Kirtland AFB</b>	
CHARACTER <b>SPECIAL INQUIRY</b>		STATUS <b>PENDING</b>	
REFERENCE <b>Report of JACK L. BOLINI, 23 March 1949, file and subject as above</b>			
SYNOPSIS  <i>EX 1</i> <i>66</i>  Four additional inconclusive reports of sightings of anomalous luminous phenomena were received. Descriptions in general agree with that received from ██████████, whose observations were reported in reference report.			
DISTRIBUTION		ACTION COPY FORWARDED TO	FILE STAMP
CO, Kirtland AFB (Action copies) <b>4</b>		Commanding Officer Kirtland Air Force Base Kirtland Field, New Mexico	
HQ OSI <b>2</b>			
FBI, Albuquerque <b>1</b>			
File <b>2</b>			
		APPROVED	
		<b>BOYLE REES</b> Lt Col, USAF DISTRICT COMMANDER	<i>M. Henry McInnis</i> <i>66337 - 664</i> <i>H. R. Curran</i>

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GUIDE TO INVESTIGATION

UNIDENTIFIED AERIAL OBJECTS

Incident No. \_\_\_\_\_

1. Date of Observation 27 Mar 49 Date of Interview 30 Mar 49
2. Exact time of observation (local) 1800 - 1805 (first seen)
3. Place of Observation: 35° 10' N  
(Map Coordinates) 103° 44' W
4. Position of observer (air, car, bldg, location of - give details):  
Seen from various spots in Tucuman, New Mexico, both in and out of car.
5. What attracted attention to object: See another person looking up.
6. Number of objects and sketch of formation or grouping: One.
7. Apparent size (compare to known object, i.e., sun, moon, thumb or fist at arms length): N/A
8. Color of object: amber.
9. Shape (give graphic description - compare with known object):  
Long and narrow; about three times as long as wide.
10. Altitude (Angle of elevation above horizon - 0° at horizon, 90° overhead): 60 degrees above horizon.
11. Direction from observer (Angle clockwise from north):  
85 degrees at disappearance; first seen east of south.
12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be): N/A
13. Direction of flight of object (s): East to west
14. Time in sight: At least 25 minutes.
15. Speed (time to cover given angular distance):  
N/A
16. Sound and odor: None.

CENTRAL FILES

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KAFB 3729



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Page 2

Guide to Investigation

Incident No. \_\_\_\_\_

17. Trail (color, length, width, persistence, etc.)

**None**

18. Luminosity (visible by reflection, incandescent, other - degree of brilliance):

**Self-luminous**

19. Projections (fins, wings, rods, antennae, canopies, etc.):

**None**

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path):

**None**

21. Manner of disappearance: **Faded out in distance.**

22. Effect on clouds: **No clouds**

23. Additional information concerning object: **There was no apparent dissipation of the object; it appeared to be fairly solid.**

24. Weather conditions and light at time of sighting:

**Clear, with good light.**

Name and address of observer:

**[REDACTED]**  
**Tucuman, New Mexico**

EXP  
DL

Occupation and hobbies:

**Police Officer**

Comments of Interrogator relative to intelligence and character of observer (Check neighbors, police dept., FBI records, employer, etc.):

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?

**Seen through car windows and from outside.**

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UNIDENTIFIED AERIAL OBJECTS

Incident No. \_\_\_\_\_

1. Date of Observation 27 Mar 49 Date of Interview 30 Mar 49
2. Exact time of observation (local) Approx 1800 hours
3. Place of Observation: Montoya, New Mexico -- 35° 06' N  
(Map Coordinates) 104° 04' W
4. Position of observer (air, car, bldg, location of - give details):  
Outside Post Office, Montoya, New Mexico.
5. What attracted attention to object: Pointed out by small boy.
6. Number of objects and sketch of formation or grouping: One
7. Apparent size (compare to known object, i.e., sun, moon, thumb or fist at arms length): Length -- about 1/6 lunar diameter;  
Width -- about 1/5 length.
8. Color of object: Orange flame color.
9. Shape (give graphic description - compare with known object):  
Long and narrow, somewhat like a pencil.
10. Altitude (Angle of elevation above horizon - 0° at horizon, 90° overhead): About 75 degrees.
11. Direction from observer (Angle clockwise from north):  
180 degrees at beginning; 260 degrees at end.
12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be): N/S
13. Direction of flight of object (s): East to West.
14. Time in sight: At least ten minutes.
15. Speed (time to cover given angular distance):  
N/S
16. Sound and odor: None

**UNCLASSIFIED**

~~CONFIDENTIAL~~

17. Trail (color, length, width, persistence, etc.)

**None**

18. Luminosity (visible by reflection, incandescent, other - degree of brilliance):

**Self-luminous.**

19. Projections (fins, wings, rods, antennae, canopies, etc.):

**None**

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path):

**None**

21. Manner of disappearance:

**In distance.**

22. Effect on clouds:

**None**

23. Additional information concerning object:

**None**

24. Weather conditions and light at time of sighting:

**No clouds in area; beginning of twilight in West.**

Name and address of observer: \_\_\_\_\_  
Montoya, New Mexico

Occupation and hobbies:

**Postmaster and storekeeper.**

Comments of Interrogator relative to intelligence and character of observer  
(Check neighbors, police dept., FBI records, employer, etc.):

Did observer wear glasses, especially polaroid glasses at time of sighting,  
or was object viewed through canopy, window, or other transparent material?

**No**

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GUIDE TO INVESTIGATION

UNIDENTIFIED AERIAL OBJECTS

Incident No. \_\_\_\_\_

1. Date of Observation 27 Mar 49 Date of Interview 30 Mar 49
2. Exact time of observation (local) 1813 (Exact time first sighted)
3. Place of Observation: 35° 10' N  
(Map Coordinates) 103° 44' W
4. Position of observer (air, car, bldg, location of - give details):  
Tucuman, New Mexico, outside
5. What attracted attention to object: Pointed out by observer's son.
6. Number of objects and sketch of formation or grouping: One.
7. Apparent size (compare to known object, i.e., sun, moon, thumb or fist at arms length):  
1/8
8. Color of object: Bright orange.
9. Shape (give graphic description - compare with known object):  
Long narrow streak, like yellow pencil, seemed to wobble or wiggle slightly.
10. Altitude (Angle of elevation above horizon - 0° at horizon, 90° overhead):  
Close to 45 degrees above horizon.
11. Direction from observer (Angle clockwise from north):  
805 degrees at first; moved to almost due west.
12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be):  
1/8
13. Direction of flight of object (s): East to West.
14. Time in sight: Approximately 15 minutes.
15. Speed (time to cover given angular distance): 1/8
16. Sound and odor: None.

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17. Trail (color, length, width, persistence, etc.)  
**None — object seemed rather like a trail itself.**

18. Luminosity (visible by reflection, incandescent, other - degree of brilliance):  
**Self-luminous.**

19. Projections (fins, wings, rods, antennae, canopies, etc.):  
**None.**

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path):  
**Stationary at 205° at first in vertical position; bottom end started to flow to West, the rest following around the bend.**

21. Manner of disappearance: **Faded out of sight in distance.**

22. Effect on clouds: **No clouds.**

23. Additional information concerning object: **Seemed flexible.**

24. Weather conditions and light at time of sighting:  
**Clear and fairly strong light.**

Name and address of observer: \_\_\_\_\_  
**Tucumcari, New Mexico**

Occupation and hobbies:  
**Editor, Tucumcari Daily News.**

Comments of Interrogator relative to intelligence and character of observer (Check neighbors, police dept., FBI records, employer, etc.):

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?



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GUIDE TO INVESTIGATION

UNIDENTIFIED AERIAL OBJECTS

Incident No. \_\_\_\_\_

1. Date of Observation 27 Mar 69 Date of Interview 30 May 69

2. Exact time of observation (local) about 1800 hours

3. Place of Observation: 25° 37' N 107° 31' W  
(Map Coordinates) 107° 31' W 25° 37' N

4. Position of observer (air, ground, boat, etc.) - Give details  
in car on highway US 41, between San Jose and Guaymas, Sonora

5. What attracted attention to object? Unusual shape

6. Number of objects and sketch of formation or grouping

7. Apparent size compared to known objects (e.g., airplane, etc.)  
about 1/2 size of airplane

8. Color of object

9. Shape of object (e.g., sphere, cylinder, etc.)  
about 1/2 size of airplane

10. Altitude (angle of elevation, etc.) and estimated height (if overhead)  
approximately 10,000 feet or less

11. Direction from observer (angle clockwise from north)  
about 180°

12. Distance from observer (distance to horizon, etc., over which object appeared to fly)

13. Direction of flight of object (e.g., east to west)

14. Time in sight 15 minutes

15. Speed (time to cover given angular distance)

16. Sound and odor

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17. Trail (color, length, width, persistence, etc.)

**None**

18. Luminosity (visible by reflection, incandescent, other - degree of brilliance);

**Self-luminous**

19. Projections (fins, wings, rods, antennae, canopies, etc.)

**None**

20. Maneuvers (turns, climbs, dives, etc. - sketch of flight path)

**See attachment.**

21. Manner of disappearance: **Lost sight as road entered hill.**

22. Effect on clouds: **No clouds.**

23. Additional information concerning object: **See attachment.**

24. Weather conditions and light at time of sighting: **Clear, good light.**

Name and address of observer: \_\_\_\_\_

**Tucuman, New Mexico**

Occupation and hobbies:

**Crooner**

Comments of interrogator relative to intelligence and character of observer (Check neighbors, police dept., FBI records, employer, etc.)

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material?

**Seen through windshield of car.**

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Attachment to report of observation of an unidentified aerial object by Mr [REDACTED], Tucumanari, New Mexico, on 27 March 1949.

The object first appeared high in the sky to the southwest, apparently headed southwest. It then dived steeply, turning toward the west, then levelled off and climbed to its original height. This diving and climbing was repeated two or three times. There was no change in the ratio between the length and width during these maneuvers. At the top of one of the climbs, the object appeared to head back toward the east; there was a bright glitter of white light at the head of the object as it levelled off. Then it dived and turned back to the west.

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UNDEVELOPED LEADS

DISTRICT OFFICE NO. 17, KIRTLAND AFB

Will report all future sightings of anomalous luminous  
phenomena within the District area.

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CONTROL NO.	SUBJECT: 100-200 DECIMAL FILE NO.	FOLLOW UP ON	
100-200	UNKNOWN (Aerial Photographs)		
CONF	P-583	DATE	
FROM: Maryland AFB on Max	DATED: 4/6/49		
TO: IASD	NO INCL.		
RECORDING NO.	DATE		
121-3	4/11/49		
DESK NO.	RECORDED	HOUR	
		1100	
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE
100			4/11
111			4/12/49
DATE OF REPLY	OTHER DISPOSITION	TRANSMITTAL AND FORM NO. 10-1 FEB NOV 47	
		SEE OTHER SIDE FOR REMARKS	

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APPROPRIATE BLOCK  
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MCIAXO-3/GWT/dw

MAR 31 1949

MCHICK 3335  
Dinner at Patterson  
2/23

- AIR INSPECTOR
- MCIAXO
- PUBLIC INF. OFFICE
- CONTROLLER
- PERSONNEL & ADM.  
*Exp*
- SEARCH & DIV.
- INTELLIGENCE  
MCIAXO  
*to Towles*  
*Robert*  
*Department*
- SUPPLY AND MAINT.
- PROC. & IND. MOB.  
FING.
- OTHER

SUBJECT: Unidentified Aerial Phenomena - 249

TO: Commanding General Base Command  
APO 862, c/o Postmaster  
New York, New York

1. Reference is made to February incoming message XC-015 regarding sighting of an unidentified aerial phenomena 11 February 1949 by [redacted] and [redacted].
2. It is requested that Base Intelligence Officer initiate an investigation and obtain detailed signed statements of the phenomena reported in referenced communication.
3. As an aid to the investigating officer in obtaining the desired information, three copies of our Guide to Investigation are forwarded herewith as Inclosure 1.
4. Results of investigation should be directed to Commanding General, Headquarters Air Materiel Command, Wright-Patterson AF Base, Dayton, Ohio, attention MCIAXO-3.

FOR THE COMMANDING GENERAL:

*Heintz*  
E. R. CLEGGEMAN  
Colonel, USAF  
Actg Chief, Intelligence Department

1 Incl n/a  
Guide to Invest-  
igation (trip)  
*Ref. msg n/a*  
*det*

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\*AREA COMMANDS WILL LINE OUT ORGANIZATIONAL TITLE NO. 1 APPLICABLE WHEN ADDITIONAL SPACE IS NEEDED IN COORDINATION BLOCK

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON

THE INSPECTOR GENERAL USAF  
17TH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS  
KIRTLAND AFB, KIRTLAND FIELD, NEW MEXICO

DR/MEN/web

File No: 24-8

29 March 1949

SUBJECT: UNKNOWN (Aerial Phenomena)

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

1. Reference is made to previous reports, file number and subject as above, latest dated 23 March 1949.

2. Transmitted herewith are minutes of the meeting between representatives of the Atomic Energy Commission, Armed Forces Special Weapons Project, University of California, University of New Mexico, the Federal Bureau of Investigation, Fourth Army and the Office of Special Investigation.

3. There are numerous errors in the minutes, due to the fact that they were transcribed from a recording of the conference. The combination of a jack hammer outside the window and the number of persons speaking made accurate transcription impossible.

4. Investigation is continuing, and further reports will be forwarded as information is developed.

DOYLE REES  
Lt Col, USAF  
District Commander

1 Incl  
Minutes of Conference (dup)

1 Copy W. E. Brown  
MCIAXO-3 Dist

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MCIAXO-3 333.5 Special Investigations

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CONFERENCE  
On  
AERIAL PHENOMENA

Held at 1300, 16 February 1949, in conference room P-162, Los Alamos Scientific Laboratory, Los Alamos, New Mexico. Present:

4th Army:	Major Wism Major Godsoe Captain Neef
AFSWP:	Commander Mandelkorn
University of New Mexico:	Dr. LaPaz
FBI:	Mr. Maxwell
USABC, SFOO:	Mr. Morgan Mr. Newburger
University of California:	Dr. Bradbury Dr. Holloway Mr. Hoyt Dr. Manley Dr. Raines Dr. Teller

Mr. Newburger opened the conference and stated that the subject of Aerial Phenomena was classified Secret within the meaning of AR 380-5 and comparable appropriate regulations of the Navy and Air Forces, and that all personnel at this meeting were properly cleared. Mr. Newburger then introduced Captain Neef, who briefly outlined the purpose of this meeting.

Captain Neef: It all started back in December, 1948, when we first received some reports from some airline pilots that these green fireballs were sighted. At this stage we had no idea what to do with it or what it was. We approached Dr. LaPaz who has been assisting us, gratis, since that date. Almost over two months now that he has been assisting us, so in order to have you get the facts as they are to a scientist, I'll let Dr. LaPaz explain these things as we have found them. Then you can give us your opinion from there; that is what we are interested in.

Dr. LaPaz: I would like to review what is observed in the case of a conventional meteorite fall. Not that I have any hopes of saying anything you don't already know, but because I regard the observational evidence observed by the conventional meteorite falls as providing the necessary background for what is now observed. Meteorite falls (for next minute or two, Dr. LaPaz's comments on record drowned out by noise from ditch digger immediately outside conference room) ..... Because of sound phenomena primarily, the fall of a large meteorite will cause great fright among human beings necessarily but primarily among animals, of all kinds. The fact follows, by a meteorite falling into the

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CONTROL NO. <b>P-100</b>	SUBJECT: <b>LLP</b> <b>Dolomov (Aerial Photograph)</b>	DECIMAL FILE NO. <b>8-28051</b>	<b>P-250</b>	FOLLOW UP ON
FROM: <b>Sq 17 Dist Kirtland AFB N. Mex</b>	DATED: <b>9/29/49</b>			DATE
TO: <b>IAXO</b>	NO. INCL: <b>1</b>			
RECORDING DESK	<b>AXI-3</b>	DATE RECORDED	<b>11/1/49</b>	HOUR: <b>1530</b>
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY (INITIALS)	DATE	
<b>IAXO</b>	<b>1/1</b>	<b>gwt</b>	<b>11/1/49</b>	
DATE OF REPLY	OTHER DISPOSITION			TRANSMITTAL
				SEE OTHER SIDE FOR REMARKS

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earth, is as you would expect, one at random - in azimuth and elevation. If the radiant white is known, you can predict the minimum angle with respect to the plane of the horizon at which the meteorite path has been observed. There is no choice, as far as the ..... for direction when meteorites fall in at random. I'd like to contrast now, at this time, this fact with what has been observed by some individuals here at the conference and by many of the AESS inspectors, GAI pilots, special agents, goodness knows how many other categories of people. I choose to describe the only one of the incidents that I was personally a witness to. It is the only one of the incidents that I am in a position to vouch for on the basis of experience, dating from 1915, as a member of the American Meteor Society, was most certainly not a conventional meteorite fall. It was the so-called Starvation Peak incident on the night of December 12, 1945. Time of observation around 9:02 P.M., plus or minus 30 seconds. This fireball appeared in full intensity instantly - there was no increase in light. Its color, estimated to be somewhere around wave length 5200 angstroms, was a hue green, or yellow green, such as I had never observed in meteor falls before. The path was as nearly horizontal as one could determine by visual observation. We have a photograph which might be some liters of departure from horizontal. The trajectory was traverse at, I am inclined to believe, constant angular velocity. Just before the end of the path there was the very slightest drooping of the path, that is the green fireball broke into fragments, still bright green.

Dr. Teller: And all this time the intensity was approximately constant?

Dr. LaPaz: All the time, as far as I could determine. The eye, of course, is admittedly a very crude photographer.

Dr. Teller: How long did the phenomenon last?

Dr. LaPaz: Almost exactly two seconds. We have in the reports here, I brought the complete file with me and would be glad to circulate them, duration measures in relation to all observations. Few of these, however, I believe, were determined under as favorable circumstances as the duration of the Starvation Peak incident. Possibly I should go back and review the situation a little bit. Because some report, issued by the AESS, would certainly suggest that I was primarily responsible for starting this whole matter. I am glad that Captain Neef corrected that impression. Actually, I was on an investigation in regard to the green fireball observed on the night of December 5th at the time the December 12th incident occurred. As a result I was keyed up; I was watching; I had a stop watch with me and a transit. We got into position and made measures, transit measures, on azimuths and elevation readings; that is, we made a duration check, certainly within not more than two or three minutes after the incident occurred. To that extent, I believe, it is possibly the best observed of any incident up to the time of the January 30th fall.

Dr. Hanley: How did you have time to use the transit?

Dr. LaPaz: The transit was in the back of the car. The moment the car was parked at the side of the road, we yanked the transit out and set it up and



began measurements. We were in motion at the time but we were able to get a very good check of what we observed at the time on the road near Starvation Peak. We had a clear view of the sky to the Northwest and the West, and the object was so low over the horizon it was possible to compare it not only to the stars with which I am familiar, but with respect to mountain peaks that were also visible. To continue, that duration was about two seconds. This is one of the puzzling things to the meteorists. I believe I do not exaggerate when I say that 90% of the duration determinations that have been made in the case of the green fireballs have given durations right in that vicinity. Whereas you take, say, 100 ordinary meteor observations you will find the widest diversions in durations. You could take the same lesson as observed by 100 people - possibly that's a better example - and there would be wide variations in the estimates of duration.

Dr. Manley: Did you correlate the azimuths with . . . .?

Dr. LaPan: No. There is an azimuth factor here which I am going to talk to you about, that relates to the choice of direction. Both our observations are single station observations, so that it becomes impossible from the observation measure to determine the real path of the fireball in the atmosphere. There have been only three cases where that path was determinable. One, as I recall it, was that of December 12, another December 20, and finally, of course, the very large fall on January 30, 1949. I'll give you some particulars on the paths. I do want to observe, however, that even our station observations present a puzzling characteristic to the meteorists. If you plot what are called, by meteorists, the admissible protozons for a green fireball that has been observed, you will find that they give, on the average, an approach almost to the North, come down from the North, they are not restricted to . . . . Now what about the real paths? I gave some indications as to the altitude at which meteorites normally disrupt fall . . . . and come down. That relates to the lowest . . . . of path. The green fireballs are unusual in this respect: probably that they are horizontal or nearly so, or that their horizontal path is traversed very low down in the atmosphere. In the case of the real paths for which we have been able to make determinations so far, those are graphical determinations, as we have not taken the trouble to use Chablis (?) methods or . . . . because the observations are regarded as necessarily too rough for mathematical niceties. Those paths are traversed at elevations between 8 and 10 miles. I defy you to find anywhere among meteorists, examples of conventional meteorites that move over long horizontal paths reserving nearly constant angular velocities and therefore, on the average, constant linear velocities, at elevations of the order of 8 to 10 miles. There is a good deal of evidence that may be of value in the complete reports that are available here, but since this is an introduction, I would like to summarize at this stage: the fireball which I personally witnessed on the night of December 12, 1948, was not, in my opinion, a conventional meteor fall. Since the majority of the green fireballs have been reported to me, both before and after this December 12th occurrence, possess almost all the properties which I personally observed on the night of December 12th, I feel that in all probability they are not themselves conventional meteor falls. Now, the easy way out of this is to conjure up an unconventional type of . . . . meteorite, which comes in practically parallel to the



discovered until much later that we were getting faulty records. Independently, I have re-determined, using the best equipment available at the University, the lines of sight at all points where the faulty transit had been used. I have plotted on this map only observations that I made personally or such observations as I have every reason to believe were made by experienced personnel, for example U.S. flyers, who took the trouble to make measures, or possibly civil engineers.

Dr. Teller: You mean these people right afterwards or shortly afterwards took an instrument and tried to measure it?

Dr. LaPaz: That's right.

Dr. Teller: This is the point where it disappeared?

Dr. LaPaz: And normally, all you will get is the point where it disappears, because the average man is aware of the fact that when he is not warned, he makes a very inaccurate observation. Having been warned by the appearance of the fireball, his attention is fixed and he watches where it bursts, where it explodes, where it disappears. So I say this is a much better determination. This beginning point, although you notice the ... of line here, is reasonably satisfactory.

Dr. Teller: Are these points here observers of the test, locations of those observations?

Dr. LaPaz: Usually a dotted circle like that indicates a reported sound observation. We use this symbol: a circle is a report, whether or not the observation includes azimuth or elevation, light appearances, is indicated by the presence of a cross. If it is blacked out, both light and sound were heard. Now every one of those things has been disproved. In the area where the end point was located, oil well drilling was underway, dynamite blasting in connection with setting up of rigs, some nitro being used apparently to shatter .... In every case we were able to exclude the possibility that the noises reported actually were tied in with the meteorite fall. At least let me say, in my opinion, those noises were excluded. In certain cases, independently, that was confirmed by a visit of Lt. Ryan of the Roswell group of the OSI. For instance, the best case of all, near Amherst ?, or noise - the observer, it's true, was only a ten-year old boy, but he wrote a very intelligent letter, and it is well known that children, like animals, are more sensitive to sound than people who have listened for too many years, say, to the radio. It appeared conceivable that he had actually made a sound observation, but Lt. Ryan went to Amherst ?, found that even three members of the family were not able to confirm his observation of noise and no one in the town, some 300 or 400 persons I think in all were estimated to have been visited, no one at all had heard a sound, so I think that Mike probably heard the same dynamite blast as had been reported by Miss Winson DiGasture - I didn't take that name out of the funny papers, it actually exists.

(continued examination of the maps with minor interrogations concerning markings.)

Dr. LaPaz: With one exception, in the case of Roswell, there are two types of sound associated with meteorite falls and, I assume, associated with the notion of any very high velocity projectile or missile through the air. There are what physicists would call reasonable sounds, and while he would not acknowledge it, simultaneously with the appearance of a meteorite, you hear a meteorite, the physicist will refuse to believe the observation. Nevertheless, there is a tremendous volume of evidence indicating that these anomalous sounds occurred. Anyone who does field work in the search for meteorites will come across possibly 10% of the observers who say that, although my attention was attracted by hearing, a whining noise, a whistling noise, I looked up and there was the fireball. In other words, this anomalous sound apparently attracts attention to the occurrence. I have an article by Brandon ..... one of the sons of the man who first investigated the great crater out in Arizona, and a chap by the name of Hart ? with whom I am not personally acquainted but a physicist apparently at Princeton, in which they attempt to justify the occurrence of anomalous sound. They express it roughly in this fashion. Electromagnetic radiation is set up by

(Dr. Teller excused to answer the phone.)

Dr. LaPaz: You wouldn't believe it anyway! However, ..... electromagnetic radiation is rectified somehow by the ..... changed into sound that can be heard and, therefore, you can hear the meteorite at the same time you see it fall. In the case of the Roswell observation apparently that occurred. We have a group of five men - there were near a steel smokestack - and every last one of them swears that they heard at the same time they were watching the green fireball go by, a noise like, say, a gasoline blowtorch. That is certainly not an ordinary explosives sound. One more thing in connection with the noises. In every other meteorite fall, any one meteorite fall that I have investigated, - that covers many years - I have never yet found an occasion of a detonating fireball, without meteorites coming down at all, in which there was not some evidence of alarm of animals. Chickens will fly around to try to get under cover. Dogs will howl and try to get into the house. Horses will run away. In the case of the Texas fall, in spite of the tremendous area in which the light was observed, we found not a single case in which the animals were disturbed. We knew of the case of a farmer who had, in sunny Texas, a pond with a five-inch layer of ice, who reported that a meteorite had fallen through the ice on that pond, had broken a hole. Captain Neef here put on a pair of rubber boots and very thoroughly searched the pond without finding a meteorite. Even in that case there was no evidence of alarm by the animals. I believe with that summary, I'd better cease operations and have you ask questions.

Question: How many observed falls?

Dr. LaPaz: I'd like to classify those into three groups. I would say that there are ten instances that definitely merit the most serious consideration. They are strictly analogous to the green fireballs of the night of December 12. On top of that, there must be something of the order of twenty more which are

so well reported, from Los Alamos for example, that although the green fireballs observed showed small .... the nature of the fireball .... many observations of observers who paid practically no attention to the sky at any other time in their lives and now when they see a really bright light, they report it. You will find a great many instances of bluish-white fireballs. In my opinion, those falling vertically and leaving trails, are simply ordinary shooting stars. Of high intensity, that is, what we call fireballs, a blue light, are not in any sense to be associated with the green lights. Those three categories then.

Dr. Hanley: ?

Dr. LaPaz: In the case of the two green fireball paths, determined from Los Alamos observations, in one case the Starvation Peak incident, we have an East-West motion, and then also a motion exactly parallel to .... In other words, these two real paths show, I think they are the only two of the first category that show any real departure from the .... It is possible to explain that. It is quite evident that we have no case of assurance that both groups of observers, the observers at Starvation Peak and the observers at Los Alamos, saw the same point of .... so that if we were to merely ask what are the limits within which such real paths might fall, it turns out that it might be as short as 12 miles instead of being 25 miles long, and in that case it would be directed almost directly to the North; it would come down very nearly within 2 degrees, 5 degrees say, of the North. In the case of the Texas observations, whereas I have indicated and the maps show, we have many observations by trained observers, motion is clearly almost directly North to South. I have been informed that there are reasons for regarding the .... out here (ditch digger) ... and you notice that this passes reasonably close to Lubbock. The same is true of the two earlier fireballs, those of December 12 and December 20. They both passed - one passed centrally over Los Alamos and the other about six miles North of the center, but this would not be true .... (ditch digger). One point that possibly should have been mentioned earlier is this: I was the more interested when Captain Neef came to my office and brought the December 5th incident to my mind because very much earlier I had been contacted first by ... White, Director of Texas Observers, in regard to their remarkable green flare seen on January 1, 1948. Second, from a Dr. Pruitt, Director Northwestern Section, City Section, of the Meteor Society, I had been informed that earlier occurrences of bright green fireballs, not too far from the Hanford area. When Captain Neef came in with reports of green fireballs near Las Vegas and particularly when he disclosed that there was a Los Alamos near Las Vegas - the real Los Alamos - it had much interest.

Dr. Holloway: Are there any reports of these from other installations, such as Troy, New York, or places like that?

Dr. LaPaz: I raised that question and I know of no other cases. I mean to say the areas from which these reports come, as in one, for such evidence as ....., they do not relate to the green fireballs; they relate to the daylight occurrence of horizontal moving, bright white objects - some in Memphis, Tennessee in May, 1948 - that is not too far from Oak Ridge. They relate to

the Hanford area as far as the Pruitt observations go, and to the observations that I've mentioned here in the Las Vegas-Los Alamos area ..... A very curious thing has come to light during these investigations. I published not long ago an article in Science Illustrated on the recovery of the ..... Town meteorite. The time that fell, February 13, 1948, the rumor got around somehow in Northern Kansas and Southern Kansas that it was a Russian bomb, and it was aimed at the geographical center of the United States which is not very far from ..... Apparently, a great many people gave credence to that rumor and were delighted when we finally recovered meteorites up there and proved it wasn't anything but an ordinary meteorite fall. Incidentally, it did not have the characteristics of the green fireball we're talking about here. There was an air transport pilot who made a most curious observation while flying near Cherbourg on January 16, 1946. His observation was the observation of a bouncing meteor. After what I've been telling you about the green fireballs, you probably think it not unreasonable that a meteorite should bounce but to the meteorological mind that seems very hard to swallow. The interest is that one of your own persons here at Los Alamos, one and confirmed at least in part by four other persons, saw one of the green fireballs come down and then glide off horizontally. The bouncing meteorite is manually explained by having it form, say sinusoidal motion lying in about the plane at which the observer was looking so that he first saw the high point of the curve or the peak. The next time it was at the peak, it was so far away that the altitude was very low, which will give you the appearance of a bouncing meteorite. I offer that as a possible explanation. Of course, he may have landed in Paris before he made the Cherbourg flight and then we should disregard the testimony entirely!

Mr. Newburger: Dr. LaPaz, you mentioned, I believe, at one of our other meetings that they had compared the color of this with certain metals?

Dr. LaPaz: That's right. Initially we could only ask them what they thought it looked like. And we got such interesting responses that we eventually carried around a spectrum chart and allowed everybody to make his own choice. Of course, the use of the spectrum chart was unnecessary if they have a color like one lady who had around her neck a green scarf which she assured me had exactly the same hue, but normally not having such things to look at, they were pleased to have the chart to look at. They will choose, in 90% of the cases, category 1 and category 2 a wave length which corresponds to something between 4900 and possibly 5300. Most of them will fall very close to 5218 which is about the color you get when you have copper salts in the Bunsen burner. I checked with Dr. Regener on that and asked him if an alloy had been used, like, say, copper beryllium, if there would be any change in that hue, and he has assured me there would not. He said it would still give approximate appearance of beryllium copper ..... You will find in probably 1350 of the 1500 only the merest trace of copper occurrence. There are a few meteorites like ..... in South Dakota, where little veins of copper have been found, making up possibly .4 of 1%.

Dr. Bradbury: Is this true of all meteorites?



Dr. LaFaz: It's true in any category. Even in the irons, the presence of copper is very hard to detect, very little. .... (ditch digger). I don't know whether you gentlemen could suggest an easy way to obtain green fireball spectra or not.

Dr. Teller: What is the geographical solution of this?

Dr. LaFaz: Another map would probably answer that best of all.

(Looked at more maps with some talk that was not audible.)

Mr. Hoyt confirmed the green hue of the green fireball he had seen on the night of December 30, 1948. (Record dead for minute or two.)

Mr. Hoyt: I would have said approximately as far above the mountain as the floor of the valley was below the top of the mountain. I felt that would give me somewhere in the neighborhood of 20,000 feet or thereabouts. It was about 5 minutes to 6, on my way up here. I have a feeling that it had a downward path. I mean it was going South.

Dr. LaFaz: But it was not strictly horizontal?

Mr. Hoyt: No.

Dr. LaFaz: We have some discrepancies in that regard. 95% of the observations indicate a very nearly horizontal path. One from Fort Worth, Texas, which was not made by .... but measured by them, indicates an elevation of 6 degrees at the beginning and  $2\frac{1}{2}$  to 3 degrees at the end.

Mr. Hoyt: That's what I would have said, but remember that the ridge would give you the sensation that it was taking a downward path. Duration - at the time I would say it was approximately 3 seconds.

Comdr. Mandelkern: How does the calculated velocity of these objects compare with the known velocity of meteorites?

Dr. LaFaz: Apparently very much lower; that is, more than the ordinarily observed meteorite falls. First, to observe in the case of an actual meteorite fall you have a relation of the velocity from the auricle of .... atmosphere down to the impact velocity which may be very .... but it isn't fair to compare the velocity of the green fireballs to the impact velocity of .... (ditch digger and everyone talking at once)..... Not with the trajectory velocity of the meteorite which is the same as the velocity of the fragments that fall from the meteorite. After a meteorite .... the fragments fall about like a bomb. Their resistance just about balances out the .... and as a result, they come down with about the velocity of a falling bomb, a little less because they do not have the same ballistic coefficient.

Dr. Bradbury: This is not an excluded ? direction like the ....?

Dr. LaPaz: Due to the fact that they have a curve, and practically all times during which darkness is with us, why they tend to come in from that direction....

Dr. Bradbury: Would it be a shower?

Dr. LaPaz: That was my first explanation, as a matter of fact. Geminete showers with a maximum of December 10 to December 12. The first evidence that I had was Sgt. Kinsley's report on December 2 and since often the forerunners of the showers will ..... I thought we were talking about Geminete showers except that I never observed a green Geminete. Matter of fact, a check of observations made at that time found that there were 424 observations since 1915 and there wasn't a single one, Geminete or non-Geminete, for which any hue of green was mentioned. Later, for instance on the night of December 12, you could watch the Geminete come down... and notice that they came in at high angles to the horizontal, whereas the green fireballs ..... Incidentally, we have another interesting piece of evidence there - Dr. Sherman Smith from the University - I mention an observation that he made on the same night. The time of the observation is in dispute. According to Dr. Smith it was probably as late as 10:50. He had to wait for a long time, he said, for his wife to pick him up after the concert was over. Mrs. Smith, however, times it around 10:10. Whatever the time, within an hour or say an hour and a half after the green fireball and the horizontal path were observed, we have another extremely bright blue fireball come out of the Geminete rays. I mention this because some of the first persons to concern themselves with this problem suggest that the green fireballs were simply abnormally bright Geminetes. Apparently you can have very large Geminete falls of the color estimated by a trained ..... checked with the spectrum charge ..... is quite distant, I assure you, from the green fireballs.

Comdr. Mandelkern: How good is the coverage of the observers of the American Meteor Society as far as the top-half of the United States is concerned?

Dr. LaPaz: It depends a good deal upon overcast conditions. I would say, however, that this year the Eastern half of the country has offered phenomenal observing conditions. One of my reasons for withdrawing from Ohio State was that after 13 years there I had given up hope of ever seeing a meteorite shower because during the season of maximum intensity of the falls we had heavy overcast, snow and so forth. On the other hand, this year they've had reasonably open skies. I have obtained no reports from people in that part of the country. We thought we had a definitive check because Harvard College has now installed a photographic meteor station near or possibly inside the White Sands Proving Ground. Since the 12th of December, you correct me if I exaggerate here, we have been trying to determine the color and other characteristics of the ten or 12 brightest meteors observed at that station. We still don't know what they saw. We know they were operating and they made some photographs, but Captain Keef can probably tell you the red-tape channelization impediments that has dropped out any determinations better than I can.

Captain Neef: Well, it's one of those things; it's a Navy contract and they are not at liberty to divulge what they find, so we have to go through Washington, the Bureau of Ordnance, to get the information.

Comdr. Mandelkorn: I believe I can get that information; as a matter of fact, I feel very certain that I can. Just a matter of approach.

Dr. LaPaz: I feel certain if I had contacted Dr. Fred Whipple, for example, I could have obtained it, but his other occupations keep him away from that installation. And actually I felt as a meteorist, it might be wise to have OSI appeal for information rather than to ask for it directly.

Captain Neef: They did tell us they weren't using films which were going to be susceptible to these colors.

Dr. LaPaz: But, of course, they are making constant visual observations and if you were able to determine visual observations 100 miles from Los Alamos don't reveal the occurrence of bright green fireballs, I think it would be significant. I don't know why they should avoid the Southern-half of the State.

Comdr. Mandelkorn: Let us say if these had been at extremely high altitudes, they would have been visible from White Sands without any question.

Captain Neef: This one of the 30th definitely was visible from White Sands because Commander Holloman ? and his wife and one of his assistants and his wife saw it from there.

Dr. LaPaz: On the other hand, you have evidence like that of Professor Talbot ? now in charge of the optical trajectory section down there, an experienced astronomer, a member of the American Meteor Society. I talked with him about this, and he has observed nothing out of the ordinary. I don't think anybody, I mean in the line of green fireballs, in this area has been observing as much as he does. I don't see how he could miss sighting some of these.

Question: What explanation do you have for this?

Dr. LaPaz: The only explanation is the one I gave in the beginning and had my ears promptly boxed for. I think these are defensive maneuvers of some higher U. S. Command and they are practising in the neighborhood of the regions they are going to defend, so naturally your localization of light near the atomic bomb installations, but boy, am I scolded for that! Even Dr. Kaplan of the FAD ? tells me no, no, the FAD would know all about it, and they don't have any facts.

Dr. Bradbury: Is this the physicist Kaplan?

Dr. LaPaz: Yes. Kaplan is my old boss. He was chief of the operational analysis section when I was ..... director there. .... During Kaplan's visit

to the University of New Mexico, where he was lecturing, we called a conference with Major Godson and other interested parties. He gave a brief resume of the observations that had been made to date. Now, Kaplan is one of the charter members of the American Meteor Society, and he said certainly these could not be conventional meteorite falls. He, of course, mentioned as other people do who have not gone into it more thoroughly, the possibility of abnormal types of meteorite falls, that might come in from a peculiar direction or might drop at very low level, but I don't think he was able to explain the absence of sound.

Dr. Teller: Did I understand you correctly that the velocity of the object appears to be some 50 kilometers per second?

Dr. LaPaz: No. In the case of the green fireballs something between 3 miles per second and 12 miles per second. Depending, you see, if you choose one ruled map or another. For example, let me illustrate how that affects the velocity determination. This is the one I think possibly best represents the observations of the case of the fireball of December 12. That is the path I assume the Los Alamos observers saw the same point of the curves that the Starvation Peak observers did, likewise to the point of disappearance. If we deny that possibility, the path might shorten to this dotted line. (Dr. LaPaz worked on maps with Dr. Teller, explaining paths.) Dropping from 25 to something between 11 and 12 miles. The January 30 observation gave us our first long path.

Dr. Teller: How long was it?

Dr. LaPaz: The first observations we had here indicated . . . . That was because of errors in the determination of the azimuth at the point of beginning, made due to the faulty transit they used. But that's correct that the path runs over 100 miles.

Dr. Teller: And how long does it take?

Dr. LaPaz: Duration estimates range from 5 to around 14 seconds. I think that a 10 second average is about the best, that would give about 10 miles per second.

Dr. Bradbury: Green is not an unknown color in meteors?

Dr. LaPaz: If I were to rewrite the report that I first presented on that subject, instead of saying "rarely observed" this color green, I think I would now say "never observed". You sometimes see green, Dr. Bradbury, but it is a blue-green. The blue-green color is rare, but it is observed. For instance, Dr. Sherman Smith's observation was essentially a blue-green, but on the blue side.

Dr. Bradbury: What other colors do you see in meteors?



Dr. LaPaz: Whites chiefly. If you look closely and without interference from outside lights, yellows, oranges and reds.

Dr. Bradbury: But it's apparently a yellowish-green we're talking about here. If you can see a bluish-green, you can also see yellows and whites.

Dr. LaPaz: There is some defect, possibly in the vision, that requires a pretty high intensity in that yellow-green before it's noted in a meteor fall.

Dr. Bradbury: Looks like green?

Dr. LaPaz: Yes it does, that's perfectly true. Now here's a peculiar property of those yellow-green fireballs - some people will refer to them as red. The only explanation that I can think of is they report afterwards that they see what is an exposure to a very green-bluish light rather than the light itself - I don't know if that is correct. And, incidentally, due to your observation, I don't know how to explain the inability of meteor observers to report this renegade color, but I simply know it doesn't occur. You go through long lists, like those of the American Meteor Society, you will find, I imagine, not 1 in 100 where a green is mentioned. Even in the case of the ? showers, where you have large numbers of very bright colors - let me recall something that all of you must have seen. The ..... shower of October 9, 1946 - anyone here who saw that? There were large numbers of extremely bright fireballs at that time. Kaplan himself recalled that they were blue, maybe blue-green, but never yellow-green. And I observed those under very favorable circumstances - we were flying at about 20,000 feet in a B-29. We had no absorption effects at all. They definitely did not show hues of green.

Dr. Bradbury: You mentioned the noise problem also. The noise occurs only when the meteor itself blows up, breaks up?

Dr. LaPaz: No, that isn't strictly true. You have, in addition to the hollow sound, the normal sound of the breaking of the ..... You have headwind; you're near the path. You get a real shock; for instance, we have ..... apparently broken up by that headwave, shock wave, in the case of the Jordan County Falls. And then from the turbulence and reflections all the way along the path, you will have a rumbling which may endure not for the matter of a tenth of a second, but for minutes, and they're real rough.

Dr. Bradbury: But these occur fairly close to the trajectory?

Dr. LaPaz: No. In the case of the Jordan County Falls again, they were heard clear down to ..... City. Shakes buildings that far away. The ..... Falls were heard up to 300 miles from the point of impact.

Dr. Bradbury: Large number of observations .....

Dr. LaPaz: No, there again I checked very carefully because I was concerned. I am trying desperately to give a logical explanation to the absence of sound.

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I have found in the literature only three cases where no detonations, no rumblings were reported. One of these is the Belgian observation in 1853, and I think should be discounted because meteorists hardly existed at that time. Some falls occurred and were not reported at all. The other two are reasonably recent observations - one in 1921 and one in 1922. They occurred, however, in the deep South where negroes, I think, were the only observers. Even there, the whizzing of the meteorites as they fell through the air, was reported. I know of no case of an actual meteorite where at least the whizzing of the falling body coming down through the air has not been reported.

Dr. Bradbury: .....?

Dr. LaFaz: Meteorite falls, I believe that was the way you phrased it? In the case of a shooting star, of course, you never hear a thing because the entire mass is, very kindly, vaporized before it gets, say, within 50 miles of the earth..... Not only noises, but accompanied by such noises that persons or animals are really frightened out of their wits. For example, we have a beautiful case where 2 horses killed themselves - in the Norden County Falls - they may have been felled by meteorites, but I'm inclined to think that the noise frightened them until they dashed into a ditch ..... Animals go crazy.

Comdr. Mandelkorn: Do you think it unusual no fragments are found?

Dr. LaFaz: I certainly do. And I think it unusual, not only in the case of the green fireballs, but in view of the fact that a great fall, like the ..... Fall of October 30, 1947, where for the first time we detected a bit of the interest on the part of the military, there too we recovered nothing. October 30, 1947, about 4:48 in the afternoon there was, what appeared to be, a tremendous meteorite fall over the reservation area - the Four Corners Area. We got there within a very few hours, had excellent observations, went back time and again, exhausted ground search, CAP people in airplanes, we had a radio centered, we had radio controlled jeeps and a lot of people out walking around - not a trace. I can't give you a color on that because .....

Comdr. Mandelkorn: Ordinarily, when phenomena of that nature occur, you are able to recover some material?

Dr. LaFaz: Yes, some material is recovered almost always. If proper search is conducted. We have, by the way, very thorough air search conducted by Gill Field Corps of Intelligence Unit; Dr. Lausberg of the Research and Development Board, very kindly interested himself in the problem and the air searches resulted not even in the discovery of a broken branch. The region is heavily forested. If branches had been broken, I think they would have been detected. I haven't classified that particular fall, however, with the green fireballs and for this reason: that left a train. Another thing which I might have mentioned - a normal meteorite fall ..... will produce a long smoking train visible by day and night. Luminous by night and by day,

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illuminated by the sun. In the case of the Irons, it will be very faint, but it'll be there if you look for it. In the case of the Four Corners Fall, that train was observed and I'm inclined to believe that it might have been a conventional meteorite fall. In the case of the green fireballs, to my knowledge, no such train has been observed. That question is always asked of people - did you observe a long enduring train; their replies were always negative.

Comdr. Mandelkorn: Then you would say there were 10 incidents which are analogous to the green fireballs, with reports checked by a sufficient number of independent observers, that there is no doubt whatsoever of their occurrence?

Dr. LaPaz: That's right.

Comdr. Mandelkorn: Then there are 20 with some deviations, two of these probably are related to the green fireballs .....

Dr. LaPaz: I believe two of those incidents I mentioned occurred before the 5th of December. A very remarkable one of the 4th of August - note that that again is very close to the time of ..... meteor shower ..... From late in July on and my report will be producing quite a number of these ....., but it is physically impossible with this particular observation from near ..... Oregon.....

Dr. Bradbury: Then their directions were wrong?

Dr. LaPaz: As a matter of fact, we can't tell because they were single observations. Maybe I should pass that letter around, but it is, I believe, the first detailed report on what might be characterized as a typical green fireball. After the Oscar ..... incident of January 1, 1948, was merely a remarkable green flash, which might have had some other interpretation.

(Dr. LaPaz showed some letters around the table, and there was general talk not able to be picked up individually.)

Major Godsoe: The basic purpose of this meeting is: we want you to find a meteor!

Mr. Newburger: Have the military - anyone from the National Defense establishment - given us anything? Sent out any conjectures about this thing?

Major Godsoe: No, most of the military authorities think we are crackpots; that is, except for the Army Air Force, which is taking an active interest in details.

Mr. Newburger: The Air Force does have the primary interest in this gadget?

Major Godsoe: Yes, the Air Force is the gathering, reporting agency for this phenomenon.

Dr. ... I think a curve that temporarily suspends it in the ... for minutes or two.

Dr. Bradbury: Some of us were expert in this field, so we essentially have to believe what we are told. I suppose if you try to look for logical explanations, there are probably some.

Dr. LaPar: I would like to ask one question here - unless you feed power into a body moving into a horizontal path, can it preserve essentially a horizontal trajectory? A plane does it; rockets don't do it; shots curve as the energy falls off. This thing apparently ignores air resistance and gravity and goes blissfully on its way.....

Dr. Teller: As far as straightness of the path is concerned, if you have a meteorite that you have observed for 10 seconds, and in these 10 seconds it has gone a distance of 100 miles, it will have fallen in this distance 1/3 of a mile and now I should like to dare any observer to tell a curvature of this kind - because you are completely unprepared for the phenomenon.

Dr. LaPar: As it slows down, it curves toward the bottom.

Dr. Teller: But apparently before it has happened, slowed down too much or exploded or something, and then it has disappeared. Now the .... point is, of course, if it has no power it will slow down, but I do not know how quickly you would have to estimate that; furthermore, the rate at which it slows down will depend very much on the question whether it has been at a 10 mile altitude or a 100 mile altitude.

Dr. LaPar: The elevation estimates are very conservative on these, and I doubt that you will be able to change that elevation of 5 to 10 miles by very much. These are the best path observations that I have mentioned.

Dr. Teller: Well, can you say.....do you think anything can be said about that?

Dr. LaPar: I don't see. The eye, of course, is not a good speedometer. You can't detect a change. At least, I did not in the one observation that I made, and no such thing has been reported. In the case of those who observed the green fireballs, say that near the end of the Texas fireball path of January 30 it was noted that the fragments moved out leisurely to the point at which there was apparently less velocity, as shown by them on the green fireball itself. Now I mention, however, that in the case of the normal meteorite fall that structure in the path, the transverse direction, is one of the most apparent. You see that in the case of any large, ordinary detonation fireball fall even though it may not produce .... there is a tendency to curve.

Dr. Teller: What about total light. ... How does the brightness compare to the brightness of the meteorites that come from a meteor?

Dr. LaFaz: In the case of the Texas Fall, since it was very rough I didn't see it, I can only base an estimate on the comparisons that were made with the moon as to size and total intensity. In the case of the Texas Fall it would certainly be comparable to - it was one of the brightest observed fireballs in total intensity .... In the case of the Starvation Peak incident, we can compare it with Venus which was conveniently located, and it certainly was of stellar magnitude minus 4, possibly a little brighter. That comparison was made almost immediately after the observation. ....

Mr. Hoyt: It was very bright and clear that night. ....

Dr. Saller: You saw it at 6 o'clock?

Mr. Hoyt: At five minutes to six. Very, very clear that night.

(Ditch digger - in between ditch digger, a few coherent remarks:)

Dr. Manley: In 1945 or 1946 I observed practically the same thing as in this letter. We thought it was a roman candle. Definitely light green in color. I am still worried about the fact that they don't report any green color in these falls.

Dr. Bradbury: Lack of noise, lack of ...., the lack of these things would be equally astounding for any material object. ....

Dr. LaFaz: Dr. Kaplan suggested the possibility of the same sort of phenomenon that he could produce experimentally in his laboratory .... and he tells me under certain conditions he can produce a globe or lamps of yellowish-green light .... He conjectured for a minute that that might have some relation to an artificial aurora.

Gen. MacCallister: As long as you brought that up, Maj. Johnson has a letter I obtained from Gen. Bunker which may be pertinent. Gen. Bunker transmitted the information you've heard to the Air Materiel Command, and in reply received a letter from an Air Force General who recently returned from Alaska. I'll let Dr. LaFaz read this.

Dr. LaFaz: This is closely related to what I was talking about. It begins: "Dear Bunker: Received your interesting phenomena of 1 February and promptly turned it over to Howard .... now saddled with the responsibility of clues. Regard as coincidental that on dates you mention Gen. Carroll was in Fairbanks, Alaska, and on his return related that he had never seen before in his life such a beautiful technical display of Northern Lights. Maybe what these people have seen is a reflection from the .... of these pyrotechnics. So far as we know, it is still phenomena and not material. Best Regards, Paul".

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Dr. LaFaz: Now I take the reservation that if you look in the history of ... you'll find that in Alaska where this observation was reported, there are very few times at this season of the year when you can see an aurora.

Dr. Teller: I have the feeling that this is ... either a discovery in physical psychology or ...

Dr. LaFaz: I thought that psychological elements would come in here!

Dr. Teller: Here is a slightly irrelevant question - you brought in the flying discs. What is the connection?

Dr. LaFaz: I didn't bring in the flying discs.

Mr. Newburger: I brought in the matter of the flying discs because the Air Force, as I understand, now have classed the flying discs and these Miraballs into one category.

Captain Keef: .... The only indication we have is a letter from MAC in Washington Saturday where they indicated the old project Sign is now project Grudge, which includes the phenomena observed in New Mexico. They knew of this meeting and were going to send a representative.

Dr. LaFaz: I just asked Mr. Hoyt a moment ago how he would compare the brilliance of this object with that of an aircraft flare. He said they were of comparable magnitude. I think that was definitely ruled out ....

Dr. Teller: I understood that a reasonable explanation of the flying discs - and I suppose that it is generally known - is that they are meteorological balloons. .... I understand that in quite a number of cases there have been very close directions established. .... I must say that from what you have said, it certainly sounds like everything else but meteors. The thing that impresses me is your evidence of the horizontal flight. Meteors do not usually come in like that. ....

(unabled talk between Drs. Bradbury and Teller)

Captain Keef: .... Change of direction such that we haven't been able to follow it up yet. One of our men was returning Sunday night when our cover operator saw this object to the Southwest from Kirtland Field and .... Arizona reported it was Southeast from there. From the Kirtland tower it was a bronze color. The time checks, but from ... Arizona it was green until it turned straight down and we had going ...

Dr. LaFaz: Dr. Teller, may I mention this one other instance that shows maybe why I have more concern than is warranted by the evidence I am able to present. I deal with Vic Regener and I know that the physicist doesn't like to work with anything that can't be photographed. I share that view but a meteorite is not available sometimes to photograph shooting stars, even the accelerated ones. During the war I was acting as Director of the Ohio Section

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of the American Meteor Society and all at once we began to get reports of large numbers of stationary fireballs; not moving. The burst was there, but no motion. Now one who observes normal conventional fireball falls is aware of the fact that not 1 out of say 500 shows actual fixity; there is always motion. So, this looks very, very strange. Of course, you all know what those stationary fireballs turned out to be. They were the self-destructive devices on Japanese paper balloons operating. You had a hydrogen filled sphere with a two-crown mask of magnesium flash-light powder. And when the magnesium and the hydrogen went off together, you could see it for a long way. We got stationary fireballs but they certainly were not meteoritic. My experience since I was suspected of psychological apparitions at the time I reported these stationary fireballs to, for example, Dr. Kaplan, my experience with .... led me to be very cautious about taking my concern ..... but at the same time I feel that we shouldn't be too hasty in giving a natural explanation to these green fireballs.

Dr. Teller: ..... but I would like to ask, these phenomena are apparently quite bright, more luminous than normal meteorites?

Dr. LaPaz: Well, the January 30th one was; I wouldn't say that about the one I saw on December 12. That was a very bright fireball, but not extraordinarily so.

Dr. Teller: What is the chance of getting pictures?

Dr. LaPaz: I refer to the one attempt that was made on the night of December 19. We set up a photographic patrol - the AESS, as you probably know, has been interested in this problem. They brought a lot of speed graphics and so on and set them up. Mr. Maxwell, a member of the group ....., and they were able, I think the night before, to photograph a bright Geminid. But on the night of the 19th nothing was observed. The next night, however, the night of the 20th there was an incident which I believe might have been photographed, but by that time the equipment had been disbanded and nothing was obtained. I should think, with proper coverage, say 10 to 15%, of these should record themselves provided you do not use green insensitive .... and film such as the ....

Dr. Teller: Is there any possibility of having a wide coverage of the sky triggered by a photo cell?

Dr. LaPaz: I have discussed that, for example with Dr. Reneger, who has been very much interested in the apparatus, and his answer is more or less in the negative. I understand that Cornell University - Gartline of Cornell - has produced some sort of photo-electric triggering device which has been used in this connection. I wrote him about it, asking for reprints or instructions, but never received a reply.

Question: Do you think you are going to find film sensitive to this green color fast enough? We have some that can't be left out over 12 hours.....

Dr. LaFaz: It should be possible ..... The conventional meteor cannot be photographed at the present time. The so-called meteorochmitts that Harvard College is now having produced at very great expense, they expect to go down to the 4th and possibly fainter. With one of those, a bright green fireball might be photographed, but they are not available. ....

Mr. Newburger: Does anybody know if there were any experiments carried out in Europe, prior to the war when our last best information came from over there, along this line?

Dr. LaFaz: Not to my knowledge. I raised that question with Dr. Kaplan and he gave me some rather surprising information. Dr. Kaplan had attended the IAU meetings in Syria ? and the Russians had a large representation there. Sufficiently large, as a matter of fact, to beat down the proposal that the IAU appoint an international committee to investigate the so-called ..... meteorite crater produced in the fall of 1947, February 12. On the contrary, at the Oswald, I think it was, conference of the International Geophysical Union, none of the Russian geophysicists were present. Kaplan's interpretation was that they feel so far ahead of us that they didn't think they could learn anything, and they were taking the precaution that no leak occurred.

Mr. Newburger: Were the Germans experimenting in any phase that was possibly connected with it?

Dr. LaFaz: Well, they had the so-called stations in space ..... might have some attachment to it.

Cmdr. Mandelkorn: You don't have any record of experiments.

Dr. LaFaz: No, no knowledge of experiments. .... I have the belief that no country in the world has there been meteoritics developed as it has in Russia in recent years. Recently, the Academy of Science of the USSR has been issuing a so-called meteoritic, an extraordinary publication - very little work of the caliber being done by the Russians has been conducted in the United States. Apparently, there it has big support; here, it is an individual matter. Until we had some military interest in meteoritics, we were never able to found even an institute in meteoritics in the United States. The one in New Mexico is an outgrowth of application of meteoritics to determine, say, ballistic coefficients for shells of unconventional design like the proximity fuse shell with the radio in its nose, and that sort of thing. That's where we got a start. Apparently, the Russians got that earlier and have full-fledged state support.

Dr. Holloway: How much interest would the military have if they found out these things were landing all over the country, Canada, Hawaii, etc.? .... Have you contacted people in the East?

Dr. LaFaz: Olivia, C. C. Olivia, President of the American Meteor Society, King, Leonard, Pruitt, Kaplan, etc. Most of them have been observing; Kaplan, I imagine, has not, because he is now preoccupied with laboratory



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experiments. I think that if anyone at the UCLA Institute of Geophysics had been observing, it would have gotten to Kaplan's ears. . . . There are two great advantages to this area: First, you have clear skies at night and can observe them as they come down, and second, (record blank for minute or two),

Dr. Holloway: . . . this was before the war. They had a telephone network which covered a fair section of the East there. . . . a network so that your observations . . . I mention this to indicate, I don't know what he is doing now, but at least they may have a group of people who have been observing. May not be in a position to . . . green fireballs, but they might have seen them.

Dr. LaPaz: My one attempt to contact . . . and unfortunately I did not approach him again for information, but someone acquainted with him should certainly ask if they have observed any of this sort of thing there.

Comdr. Mandelkorn: Well, wouldn't phenomena of this nature have been reported to the Society, no matter where they had occurred?

Dr. LaPaz: Yes, I would think so. For example, you can consult the so-called meteor notes of the American Meteor Society, and popular astronomy, they are published from month to month with the President, C. C. Olivia, Director of the Florida Observatory at the University of Pennsylvania. I've been through those very carefully. There's one single solitary case of a fireball which by one of the observers - a doubly observed fireball - so it was possible for me to . . . in which one of the observers mentions a green color. Not this peculiar yellow-green which most people in that work find unusual, and in the case of that the elevation determined is of the order of, oh 199 kilometers from the beginning point and roughly 100 for the end, so I think it is only an ordinary fireball; nothing unusual about it. That was the only case I found.

Comdr. Mandelkorn: According to recent records, where the observation conditions in other parts of the country satisfactory? At least part of the time?

Dr. LaPaz: Well, I infer from the fact that we have had so much trouble out here and the East has been bragging about its climatic advantages, that probably during the recent months, they have had good observancy. I haven't attempted a full scale check on that.

Comdr. Mandelkorn: Let's put it this way then: Have there been a sufficient number of fireballs reported in the last 60 days in other parts of the country to lead us to infer that had some of these occurred, they would have been reported?

Dr. LaPaz: I think that definitely is true. To my knowledge, as far as the contacts I've had with Olivia and so on, there was nothing out of the normal noticed in the East, and in the South, shall we say as far up as White Sands. Whether the Harvard Observatory setup observed anything peculiar or not, I don't know. We tried right away to get that information. We were told by the gentleman in charge down there, I'm sure this will be interest to you, that

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it was impossible to make an estimate of the approximate wave and wavelengths without detailed spectroscopic equipment, which he did not possess. So whether the Captain actually cut out the spectrum charts and sent them to him or not, I don't know, but it was considered.

Dr. Bradbury: Well, we're not coming up with any bright ideas for you very fast.

Mr. Newburger: No, but as long as we have the problem presented to you, maybe by thinking on this, you will come up with an idea! . . . . Of course, you know our entire connection with started with Madelyn Gwynn Merchant back in 1946!

Dr. LaPaz: Except for the flying discs, nothing that you could say would cause me greater embarrassment! I have actually had communications from Madelyn myself.

Dr. Teller: Your statement of the absence of sound when this thing has gone apparently overhead at the distance of 10 miles, within earshot of people.

Dr. LaPaz: That seems incomprehensible, doesn't it, Dr. Teller? I'm glad to hear you say that because that has been my feeling from the beginning. And we tried desperately to get confirming evidence whenever sounds were mentioned. No reports have been obtained.

Dr. Teller: I must say that the admission in which one could get . . . . typical phenomenon is something in the light of . . . .

Dr. LaPaz: Kaplan told me he was going to get out one of his old blow pressure tubes and begin experimenting as soon as he returned from the UCLA, to see if he could duplicate in any way the descriptions we have given him.

Dr. Holloway: What sound does a P-2 make when it goes overhead?

Dr. LaPaz: I can tell you what they make when they come down.

Comdr. Mandelkorn: I can tell you what they make when they go overhead at the height of about 1,000 yards. But anything man-made that passes overhead at the height of 8-10 miles, at this speed, could be inaudible.

Dr. Teller: You think it could be?

Comdr. Mandelkorn: I think it could be. The only .

Dr. Teller: Even if it went at the speed of 10 miles per second?

Comdr. Mandelkorn: Well,

Dr. Teller: You see, at that time, the . . . . begins to come up.

Dr. LaPaz: You bet it does.

Dr. Bradbury: .....

Dr. Teller: You have to get a shock wave out of it. With a very small object the shock wave would be smaller than .... I have not made calculations on it, but it's just common sense .....

Dr. LaPaz: I would like to ask a question. Isn't it true in the case of the so-called light movement that you have very intense, luminous effects off them without noise?

(talk between Drs. Bradbury and LaPaz too fast and too jumbled to be transcribed.)

Comdr. Mandelkern: From what Dr. Teller said apparently a solid object converging with the atmosphere horizontally at about 8 to 10 miles altitude, it's incredible that it wouldn't be accompanied by some sort of sonic phenomenon.

Dr. Teller: I would like to repeat that to try to get an estimate of the size of the object, that it would have to have in order to get sound effects, is not an easy thing, but offhand I would say - this is what I would expect - that you get a very small object, as small as an inch or smaller.

Dr. LaPaz: .....

Dr. Teller: If I remember correctly, the intensity, the amount of energy that goes into a shock wave is proportional to the square of the velocity. The velocity that you have here proportional to the square of the velocity and, of course, is proportional I should think probably to the square of the linear dimensions of the object that you have. Now you have 10 miles per second ... velocity you have 20 miles per second, so this could be, on that count, ten times fainter - the sound would be ten times fainter. On the other hand, a meteorite that you will hear, I think, ..... that much across .....

(too much cross talk)

Dr. Teller: That is something we could do right away. Now I do not know, tried to get from you information on brightness, but I would like to ask again some details .....

Dr. LaPaz: The brightest meteorite fall in history, of which we have historical record, was the ... fall in 1908, June 30 .... estimates the power, the light power, of that was of the order of  $10^{18}$  -  $10^{19}$  ergs per second. In the case of the Texas fall it was probably not 100,000th as bright.

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Dr. Teller: Now let's try to get a check of this.

(Dr. Teller then spent approximately the next twenty minutes or so figuring on the blackboard - estimating light, speed, kinetic energy, shock wave, etc.)

Dr. Teller: If I can just believe everything I have heard and put it together with what I theoretically believe in, it ought to be a material body - might be an electron phenomenon.

Dr. LaPaz: You see why I'm puzzled, Dr. Teller. Nothing like this, to my knowledge, has ever been observed in the case of meteorite drops.

Dr. Teller: If you go to a group like UCLA or some other place where they have a good sound laboratory, they ought to be able to take the absence of sound observations - that is definitely incompatible, assuming that you know that there are ... and assuming that they have heard no sound from this, they ought to be able to work an upper range upon the sight of the object which has been moving, and from those figures I would be inclined to believe the object could probably not have a heat  $\uparrow$  of something like 1 cubic centimeter. One centimeter in dimension, and that in turn would not have given the blinding effect, if it was a material object.

Dr. Bradbury: Wait a minute, I think you've left out something in light effects - you don't have to worry about kinetic energy. You can get your light from chemicals as well.

Dr. Teller: That is correct. ....

Mr. Newburger: This seems to wind up the meeting.

Dr. Bradbury: Still don't feel that the meteor stuff is out. The puzzling thing is the long horizontal path; also, absence of noise is puzzling.

hgc

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(Rev 1 Apr 48)  
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MCIAIO-3/HMS/TH

MAR 24 1949

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OTHER

SUBJECT: Project "Grudge"

TO: Commanding Officer  
373rd Reconnaissance Sqd VLR Waa  
Kindley AFB, Bermuda  
APO 856, % Postmaster  
New York, New York

1. Reference is made to your letter (373 D Waa 350.05) dated 9 February 1949, subject, "Semi-Monthly Intelligence Report" concerning sighting of light phenomenon by Captain [redacted] 24 January 1949.

2. According to astronomical authorities the phenomenon described by Captain [redacted] coincides exactly with the appearance of aurora borealis (northern lights) as seen at latitudes as far south as Bermuda.

3. The Newspaper article "Northern Lights Are Seen Here" which is evaluated A-1, states that the aurora was visible in Bermuda 24 January beginning at a time close to that when Captain [redacted] first saw his phenomenon. Furthermore, the lights were seen in a line of direction from Bermuda which passed through or near the position where Captain [redacted] estimates his light mass to have been located when last seen.

4. It is requested that a transcript of entries from the log of Hamilton Meteorological Station for the night in question be forwarded to this Command, Attention: MCIAIO-3.

5. Request further that Captain [redacted] and his crew be interviewed to determine whether the appearance of nearness of the light mass could have been illusory caused, possibly, by a combination of cloud and water reflection and the intensity of the aurora.

6. Four copies of "Guide to Investigation" are forwarded to aid in recording the desired information.

FOR THE COMMANDING GENERAL:

~~SECRET~~  
N.A. [redacted] E. Ball  
K. R. CLINGERMAN

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WFL-20 APR 48 200M

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UNITED STATES  
ATOMIC ENERGY COMMISSION  
LOS ALAMOS, NEW MEXICO

ADDRESS REPLY TO:  
MANAGER, SANTA FE DIRECTED OPERATIONS  
U. S. ATOMIC ENERGY COMMISSION  
P. O. BOX 1339  
LOS ALAMOS, NEW MEXICO

AND REFER TO:  
SFD-3-1

March 23, 1949

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

Attention: MCIAXS

Dear Sir:

ORIG FILE COPIES TO:		INITIALS
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Reference is made to letter from your headquarters dated March 18, Subject: Compromise of Classified Material, addressed to the Director, Los Alamos Scientific Laboratories, attaching thereto photostatic copies of correspondence from Mrs. [redacted]

This is to inform you that this matter has already been brought to the attention of this office by both the FBI and the G-2, Fourth Army, and has been resolved.

For your information, this office had no data as to Mrs. [redacted] daughter's "unfavorable, tragic experience" until the subject informed the Officer in Charge, Fourth Army Intelligence Office, Albuquerque, New Mexico. The circumstances to which Mrs. [redacted] makes reference are ones that occurred many months ago wherein an employee of this office, who was the sister-in-law of Mrs. [redacted], wrote to the subject's divorced husband that his ex-wife [redacted] had been corresponding with this office for some time, and made a derogatory remark which was not the official opinion of this activity. When this matter was brought to the attention of the undersigned, the offender gave a somewhat different story of the situation, but inasmuch as it was the belief of this organization that the employee had had a tendency to disclose information outside of official channels, disciplinary action was taken under the existing Civil Service regulations and the employee is no longer at this installation. This office considers this entire matter a closed incident and does not believe that any further action is indicated. Classified information affecting the security of the United States, or Restricted Data as defined under the Atomic Energy Act, has not been disclosed.

Very truly yours,

[Handwritten signature]  
Sidney Newberger, Jr.  
Chief, Security Operations Branch

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MCIAXS  
312.1  
[Handwritten notes]

P.H.H.

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FORM NO. 0-1031	SUBJECT Compromise of Classified Material (Conf) 5-2897	DECIMAL FILE NO.	FOLLOW UP ON DATE
FROM YAKS	US Atomic Energy Comm & Max	DATED 3/23/49	NO. INCL. 0
RECORDING DESK	AXI-3	DATE 3/29/49	RECORDED HOUR 0800
ROUTED TO	SUSPENSE DATE	ESTABLISHED BY	INITIALS DATE
1 YAKS			
DATE OF REPLY	OTHER DISPOSITION:		TRANSMITTAL AND FORM NO. 19-6 (25 NOV 47) SEE OTHER SIDE FOR REMARKS

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