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About the Project Blue Book Archive

The Project Blue Book Archive contains tens of thousands of documents generated by United States Air Force investigations from the early AMC period through to the end of Project Blue Book. In addition to individual UFO reports the Archive includes administrative files that provide insight into Project Blue Book operations. These administrative files include correspondence, formal reports, status reports, AFOSI investigative reports, and various public statements and briefing materials.

The primary source of Archive documents are microfilm rolls made available to the public by the National Archives (NARA) including a set of uncensored rolls first discovered at NARA in 1998. In addition, several rolls of microfilm created during the operation of Project Sign are also included in the Archive.

About Project Blue Book

Project Blue Book was the code name of the U.S. Air Force's UFO investigation. Strictly speaking, this name applies only to the time period beginning in March 1952 and ending with the close of investigations in January 1970. Less formally, the name is used to connote the Air Force's entire period of investigations, which began inside the Air Materiel Command at Wright-Patterson AFB without a specific code name on June 30, 1947. The first named investigation was Project Sign, which was formally initiated on January 26, 1948. This name was changed to Project Grudge on February 12, 1949, and again to Project Blue Book on March 25, 1952. Though it may appear to be a continuous operation, these UFO investigations were subject to shifts in the Air Force priorities and by internal Air Force politics.

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STATUS REPORT

PROJECT BLUE BOOK - REPORT NO. 7

FORMERLY PROJECT GRUDGE

PROJECT NO. 10073

31 MAY 1952

AIR TECHNICAL INTELLIGENCE CENTER
WRIGHT-PATTERSON AIR FORCE BASE
DAYTON, OHIO

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Chief, Air Technical Intelligence Center
Wright-Patterson Air Force Base
Dayton, Ohio

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AUTH: CO, ATIC

BY: E. J. RUPPELT

1st Lt, USAF

DATE 19 June 52

This report is the seventh of a series of monthly status reports of Project Blue Book. Each report is written on or near the last day of the month and will contain a list of all incidents reported during the month covered by the report. The reports that are considered outstanding will be summarized in the appendices of the report so that more details can be presented. The overall status of the project will be presented.

Any additional information may be obtained on any incident by directing requests to Chief, Air Technical Intelligence Center, Attn: ATIAA-5, Wright-Patterson Air Force Base, Ohio.

The security classification of this report is Secret due only to the inclosure of reports that were classified Secret by the originating agency and due to the fact that allied information pertaining to the project is Secret. The classification of each separate incident is noted with the incident.

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STATUS OF PROJECT BLUE BOOK

I. OVERALL STATUS

A. Briefings on Project Blue Book

On 8 and 9 May 1952, three briefings were given on Project Blue Book in Washington, D. C. The people briefed included Secretary of Air Finletter, Major General Samford and Brig General Ackerman of the Directorate of Intelligence, Brig General Maxwell of the Research and Development Board, and members of the Office of Naval Research.

B. Field Investigations

During the month of May 1952, two field investigations were made.

1. 20-24 May 1952 - George Air Force Base, Calif.
2. 21 May 1952 - Pan American crew at New York, New York

C. Visit by Representative of the ONR

A representative of the Office of Naval Research visited ATIC on 28 May 1952. The purpose of the visit was to discuss the operation of Project Blue Book and to determine what aid, if any, the ONR could offer. It was decided that at the present time the Navy could best assist the Air Force by publishing some type of directive pertaining to reports of unidentified aerial objects. A liaison with the ONR was also established so that any contacts with the Navy can be expeditiously handled. (Action on the above Navy directive has been started.)

D. RCAF Interest in Project Blue Book

Two RCAF personnel, members of the Directorate of Scientific Intelligence, Defense Research Board of Canada, visited Project Blue Book at ATIC on 14 May 1952. Canada is setting up a project very similar to the U.S. Air Force project for the investigation of reports of unidentified aerial objects. The RCAF people were briefed on the operations of the project and the difficulties that have been encountered, and the proposed future plans were discussed.

Action is being taken to establish channels for communications between the Canadian and U.S. project personnel.

E. Current Directive for Reporting Sightings

On 29 April 1952, Air Force Letter 200-5, Subject: Reporting of Unidentified Flying Objects was published. This AFL states the channels to be

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used in reporting, types of reports to be made, and the information to be included in reports. Although this AFL has only been in effect a month, excellent results in timely reporting have already become evident.

F. Information on Balloon Releases

A large amount of detailed information on the release of weather sounding balloons has been received from the Air Weather Service. The information includes the times, locations, and types of balloons launched daily in the United States. This information has been plotted on a map and incorporated into a card file so that it is now possible to make a rapid check of all sightings for the possibility of their being balloons.

G. Contractor Status

The civilian contractor for Blue Book has finished a tentative questionnaire to be used in interrogating observers. A great deal of time has been spent in selecting and wording of the questions. Approximately twelve engineers and scientists in varied fields have been consulted and have given their comments on the form. An effort has been made to word the questions so that they are not "leading" and so that the maximum amount of information may be obtained. An astronomer and a psychologist will be consulted next and after their comments have been received the questionnaire will be finalized.

The contractor, which is a civilian research institute, has also established a panel of twelve scientists and engineers. These people, all specialists in certain fields, can be called together at the request of ATIC to discuss any pertinent reports, questions, or problems that arise. In the past month, two meetings were held to discuss the questionnaire.

H. Diffraction Grating Cameras

This phase of the project is not being handled directly by Project Blue Book and the exact status is unavailable at the time of this report.

I. Utilization of ADC Scope Cameras

A request has been sent to Air Defense Command asking them to put all of the Type O-15 Radar Scope Cameras on a 24-hour alert basis so that any unidentified radar returns may be photographed. These photographs, in conjunction with a special electronics questionnaire that has been prepared by ATIC, will aid in the interpretation of the electronic observations.

J. Recent "Mirage" Theories

Several theories on the possibility that some sightings can be explained as a type of mirage have been offered to ATIC. These theories have been accepted,

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as theories, and will be investigated. More details on the ideas have been requested and as soon as they are received they will be submitted to the Blue Book civilian contractor's panel for analysis and comments.

SIGHTINGS OF UNIDENTIFIED OBJECTS

DATE	TIME (Local)	LOCATION	DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED
2 Feb 52	0850	Eastern Pacific	MATS Crew observed what appeared to be a red rocket burst at an estimated 500 yds. off the port wing of the a/c. (Confidential)	—	—	—
8-12 Mar 52	2130Z	Pacific Ocean	Three puffs of white smoke. (Confidential)	—	—	—
15 Mar 52	1630 MST	Sandia Mt. Range, New Mexico	Dull aluminum object, shaped like flattened oval and as large as B-29 fuselage. (Confidential)	15 Min.	—	150-200 mph and stationary
23 Mar 52	0205Z	Yakima, Wash.	Ground radar sighting and F-94 visual sighting of flash of light. (Secret)	—	—	78 Knots
2 Apr 52	2000	Brownwood, Tex.	Slow moving meteor-like object with trail of three small balls of fire. (Restricted)	40 Sec.	—	—
2 Apr 52	2035	Walo, Texas	Flaming object approaching from southwest. Flame yellow and emitted sparks. (Restricted)	30 Sec.	—	—
2 Apr 52	Between 0900&1000	Lake Meade, Nev.	Very large, silver object which moved very little. (Restricted)	1 Hour	—	—
3 Apr 52	0823	* Marana AFB, Ariz.	Several sources observed large object in sky which remained stationary. (Restricted)	52 Min.	—	Hovered
5 Apr 52	2115 EST	Miami, Fla.	Four dark shapes passed across face of moon, objects were circular, dark, opaque and invisible except when outlined against moon. (Confidential)	—	—	—
5 Apr 52	1040	Phoenix, Ariz.	Three large, circular objects of dull gray color with no wings, flame, or smoke. (Restricted)	—	—	1/2 fall- ing comet
6 Apr 52	1459	Ft. Hood, Texas	Group of 50 or 75 grayish-white objects shaped like a disc and in formation, changing position constantly. (Restricted)	3-30 Min.	—	—
7 Apr 52	0445 CST	Memphis, Tenn.	Dazzling blue-white object with reddish glow near top and shaped like cotton basket. Was much larger than a/c at same distance. (Restricted)	Few Sec.	—	Many times commercial aircraft
9 Apr 52	1432 CST	* Shreveport, La.	C-46 sighted a disc-shaped, whitish cream colored object which circled Barksdale AFB. (Confidential)	—	—	200-400 mph
10 Apr 52	0415	Ada, Minn.	Object traveled in horizontal plane. It started out as a circle became oval and then split into parts, all of equal brightness. (Restricted)	—	—	—
11 Apr 52	1825	Washington, Ind.	Streak of deep orange came toward sources from the west, turned northeast and reduced the exhaust. (Restricted)	4 Min.	—	—
13 Apr 52	2107 CST	Biloxi, Miss.	Three round, dull orange objects over the Gulf of Mexico. (Restricted)	4-5 Sec.	—	Fast
14 Apr 52	—	LaCrosse, Wis.	Several light colored objects in V formation. (Unclassified)	—	—	Fast
14 Apr 52	1834 CST	Memphis, Tenn.	Bright inverted bowl, with slots running vertical and glowing red. (Restricted)	45-60 Sec.	—	Rapid

SIGHTINGS OF UNIDENTIFIED OBJECTS

DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALTITUDE	HEADING	SOURCE	ACTION OR COMMENTS
to be a red rocket burst at an estimated 500 yds. (Confidential)	---	---	---	5,000 ft.	---	MATS Crew	Delayed report. No investigation due to time lapse in report.
(Confidential)	---	---	---	---	---	MATS Crew	No investigation due to time lapse in report.
flattened oval and as large as B-29 fuselage.	15 Min.	---	150-200 mph and stationary	10,000 ft.	---	AF Officer	No conclusions. Report too late to investigate.
partial sighting of flash of light. (Secret)	---	---	78 Knots	22,500 and 25,000 ft.	30° and 180°	Pilot and Ground Radar Operator	No conclusion.
in trail of three small balls of fire. (Restricted)	40 Sec.	---	---	30°	---	AF Officer	Too great lapse of time to get accurate data.
to the west. Flame yellow and emitted sparks. (Restricted)	30 Sec.	---	---	2,000 ft.	NE	Tech Advisor - Instructor	Resembles fire ball.
red very little. (Restricted)	1 Hour	---	---	Tremendous	---	M/Sgt and wife	No conclusion.
object in sky which remained stationary. (Restricted)	52 Min.	---	Hovered	High	Hovered	AF Personnel	Pending.
of moon, objects were circular, dark, opaque and last moon. (Confidential)	---	---	---	---	90°	Civilians	No conclusion.
all gray color with no wings, flame, or smoke.	---	---	1/2 falling comet	40,000 ft.	N	Civilians	Three F-51's in area and flying north at the time.
objects shaped like a disc and in formation, changing	3-30 Min.	---	---	30° - 40°	---	Civilian	No conclusion.
reddish glow near top and shaped like cotton basket. distance. (Restricted)	Few Sec.	---	Many times commercial aircraft	---	NNW	Civilian	Similar to fire ball or meteor.
in cream colored object which circled Barksdale AFB.	---	---	200-400 mph	4,000 ft.	W & SE	AF Pilots	Two F-84 and three silvery-white balloons were in the area at time.
It started out as a circle became oval and then brightness. (Restricted)	---	---	---	---	S	Civilians	Possibly Fire ball
sources from the west, turned northeast and	4 Min.	---	---	Very high	NE	Civilians	Could be the vapor trail of an aircraft being struck by the rays of the setting sun.
over the Gulf of Mexico. (Restricted)	4-5 Sec.	---	Fast	30°	W	AF Officer	No conclusions.
in formation. (Unclassified)	---	---	Fast	12-20,000 ft.	NW	Airline Pilot	No conclusions.
flashing vertical and glowing red. (Restricted)	45-60 Sec.	---	Rapid	2,000 ft.	---	Navy Pilots	No conclusions.

SIGHTINGS OF UNIDENTIFIED OBJECTS

DATE	TIME (Local)	LOCATION	DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED
1 Apr 52	0030	Port Chicago, Calif.	Source reported large bright light moving faster than an aircraft and in an erratic flight path. Object left a streak of flame. (Restricted)	---	---	High
2 Apr 52	2045	Temple, Texas	Large meteor-like object was seen traveling across the sky at high speed. Object had trail. (Confidential)	30 Sec.	---	High
3 Apr 52	0805	Marana, Arizona	Several sources observed large object in sky. Object remained stationary. (Restricted) (See Appendix III.)	52 Min.	---	Hovered
7 Apr 52	1800	St. Louis, Mo.	Sources observed shiny object which hovered then appeared to disappear at high speed. (Restricted)	5 Min.	---	High
7 Apr 52	1830	St. Louis, Mo.	Source observed rectangular object about size of C-47. Object emitted white sparks. (Restricted)	---	---	---
7 Apr 52	Day- break	Walnut, Miss.	Sources observed large white object "streaking" through the sky. No trail observed. (Restricted)	Several Seconds	---	High
8 Apr 52	0900-1000	Lake Meade, Nev.	Object appeared to be "B-26 without wings". (Restricted)	1 Hr.	---	Hovered
8 Apr 52	2000	Duncanville, Tex.	Unidentified radar return. (Secret)	---	---	2052 K.
9 Apr 52	1430	Shreveport, La.	Two C-46 crews observed disc-shaped object. (See Appendix IV) (Restricted)	---	---	---
9 Apr 52	2325	Medford, Mass.	Object report to be large, cigar-shaped, and bluish in color. It traveled a straight course and disappeared over the horizon. Viewed from the top of a building. (Confidential)	2 Min.	---	High
10 Apr 52	2010	Ft. Lauderdale, Fla.	Source observed elliptical shaped brilliantly illuminated object without trail moving at high speed. (Restricted)	---	---	High
12 Apr 52	2230	North Bay, Ont.	One bright amber disc was reported to have come into view from the southwest and moved across the RCAF airfield. It then stopped, reversed its direction, and disappeared. (Restricted)	---	---	High
13 Apr 52	1645	Moriarity, N.Mex.	Four observers observed circular object over station. Object traveled at high speed and made an abrupt turn. (Confidential)	Few Sec.	None	High
16 Apr 52	2015	Madison, Wis.	Source reported observing five to six objects in formation. Objects were yellowish-white. They came into view from the east made a sharp turn to the NNW and disappeared. (Secret) (See Appendix VI.)	Few Sec.	None	High
16 Apr 52	2228	Shreveport, La.	Object was circular and brilliant white, ten times the size of the brightest planet. The object was first sighted overhead. It traveled a straight course at high speed. It was on an original heading of 100° but made a 180° turn and took up reciprocal heading. (Restricted)	20 Sec.	None	High

SIGHTINGS OF UNIDENTIFIED OBJECTS

DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALTITUDE	HEADING	SOURCE	ACTION OR COMMENTS
moving faster than an aircraft and in an erratic path of flame. (Restricted)	---	---	High	High	360°	Civilian	Description resembles meteor except for erratic flight path.
traveling across the sky at high speed. Object	30 Sec.	---	High	---	30°	Many	Object was apparently a large fireball. Reports on this object were received from all over Texas. Astronomers believe it was a fireball.
object in sky. Object remained stationary. (Restricted)	52 Min.	---	Hovered	High	Hovered	AF personnel	Pending. See Appendix III.
hovered then appeared to disappear at high speed.	5 Min.	---	High	---	---	Civilians	No investigation. Lack of data. No conclusions.
about size of C-47. Object emitted white sparks.	---	---	---	---	---	Civilian	No investigation. Lack of data. No conclusions.
"breaking" through the sky. No trail observed.	Several Seconds	---	High	Appeared low	---	CIO Agent	Probably large meteor or fireball. Several reports of similar object from Missouri and Tennessee.
"wings". (Restricted)	1 Hr.	---	Hovered	High	---	AF M/Sgt	No conclusions. Lack of data.
	---	---	2052 K.	---	---	Radar Observers	Pending.
object. (See Appendix IV) (Restricted)	---	---	---	Below 12,000ft.	Varied	AF Pilots	Pending. (See Appendix IV.)
shaped and bluish in color. It traveled a straight path. Viewed from the top of a building.	2 Min.	---	High	---	225°	Civilian	Description similar to large meteor or fireball.
brilliantly illuminated object without trail moving	---	---	High	---	270°	Ex-AF Pilot	Description similar to large meteor or fireball
to have come into view from the southwest and moved stopped, reversed its direction, and disappeared.	---	---	High	---	225°	RCAF Personnel	Pending addition information.
object over station. Object traveled at high speed (trial)	Few Sec.	None	High	High	90° -360°	AF Airmen	See Appendix V.
six objects in formation. Objects were yellowish- (trial VI.)	Few Sec.	None	High	---	90°	Civilian	See Appendix VI.
ten times the size of the brightest planet. (trial) It traveled a straight course at high speed. 90° but made a 180° turn and took up reciprocal	20 Sec.	None	High	---	100°-280°	AF Pilot	Radiosonde balloon (unlighted) was in area. Half moon low in East at time of sighting. Possibly balloon but no definite conclusions. Speed might be due to illusion of some type.

SIGHTINGS OF UNIDENTIFIED OBJECTS

DATE	TIME (Local)	LOCATION	DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALT
17 Apr 52	---	Point Hope, Alaska	Unidentified vapor trails. (Secret)	---	---	---	---
17 Apr 52	2125	Ft. Eustis, Va.	Source observed bright white object with green trail East of Ft. Eustis at an elevation of 45°. Object traversed 90° in few seconds. Object traveled in flat trajectory. (Restricted)	2 Sec.	None	High	---
20 Apr 52	1815	W-P AFB, Dayton, Ohio	A bright white light was observed traveling through the air at high speed. Object appeared to be flat and long and did not change shape during flight. (Restricted)	15-30 Sec.	None	High	---
18 Apr 52	0130	Bethesda, Md.	Four observers saw U-shaped group of lights. (See Appendix VII) (Restricted)	4-8 Sec.	None	High	---
21 Apr 52	0405	LaCrosse, Wis.	Source observed object which "appeared to be rotating with fire coming out of both ends". Observed through windshield during rainstorm. (Restricted)	---	"Whooshing"	---	---
24 Apr 52	2215	Colorado Springs, Colo.	An object resembling a "flying wing" aircraft was observed. It appeared to have swept wings, 10 times larger than jet fighter, and had a luminous glow. Object was observed through bare tree branches. (Restricted)	5-10 Sec.	None	Moderate	Mod
24 Apr 52	2010	Clovis, N. Mex.	Object seemed to be made up of many orange colored lights, sometimes fused, sometimes split. It would remain motionless at times and at other times would accelerate to high speeds. (Restricted)	5 Min.	None	High	---
27 Apr 52	1920	Waskish, Minn.	Object was cigar-shaped with no wings. It gave off reflection of the sun. (Restricted)	1 Min.	None	High	---
27 Apr 52	2030 to 2230	Yuma, Ariz.	Objects appeared as bright red or flame colored discs slightly larger than fighter aircraft. Eight objects were sighted at various times. Once two objects were in formation. Scattered overcast at 6,000 ft., solid at 11,000 ft. Observed from drive-in movie.	Periodically for 2 Hr.	None	---	Bel
27 Apr 52	1100	Royal Oak, Mich.	Source observed small white object "similar to paper plate" in sky. (Restricted)	Seconds	---	---	---
27 Apr 52	1700	Roseville, Mich.	Four observers watched several objects. Some of the objects were circular, some oval shaped. All were silver in color. They were observed with binoculars. (Restricted)	45 Min.	None	Varied	---
27 Apr 52	2000	Selfridge AFB, Mich.	Source observed large bright flash of green light which persisted for 3-4 seconds. (Restricted)	3-4 Sec.	None	---	---
27 Apr 52	2306	Pontiac, Mich.	Source observed "huge" circular object very close to the ground. Estimated 200 ft. in diameter.	---	---	---	200

SIGHTINGS OF UNIDENTIFIED OBJECTS

DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALTITUDE	HEADING	SOURCE	ACTION OR COMMENTS
(Secret)	---	---	---	---	---	---	Possibly Soviet overflight. (ADC evaluation)
White object with green trail East of Ft. Eustis at an elevation of 90° in few seconds. Object traveled in flat trajectory.	2 Sec.	None	High	---	---	Army Lt Col	Description resembles that of a fireball or meteor.
Observed traveling through the air at high speed. Object long and did not change shape during flight. (Restricted)	15-30 Sec.	None	High	---	90°	AF Officers	Description resembles that of large meteor.
Red group of lights. (See Appendix VII) (Restricted)	4-8 Sec.	None	High	---	360°	Civilians	See Appendix VII.
Light appeared to be rotating with fire coming out of both windshield during rainstorm. (Restricted)	---	"Whooshing"	---	---	180°	County Nurse	Object may have been light blurred by rain on windshield of automobile.
Wingless aircraft was observed. It appeared to have more than jet engines, and had a luminous glow. Object was observed from ground. (Restricted)	5-10 Sec.	None	Moderate	Moderate	315°	Civilian	No conclusions. Insufficient data.
Several groups of colored lights, sometimes fused, sometimes independent, and at other times would accelerate to high speed. (Restricted)	5 Min.	None	High	---	135°	AF Flight Surgeon	No conclusions.
Light with no wings. It gave off reflection of the sun. (Restricted)	1 Min.	None	High	---	360°	Civilian - Ground Observer	Description similar to meteor.
Red or flame colored discs slightly larger than fighter were sighted at various times. Once two objects were in flight at 6,000 ft., solid at 11,000 ft. Observed from ground. (Restricted)	Periodically for 2 Hr.	None	---	Below 11,000 ft.	Varied	AF Tower Operator	No conclusions.
One object "similar to paper plate" in sky. (Restricted)	Seconds	---	---	---	---	Civilian	No conclusions. Lack of data.
Several objects. Some of the objects were circular, some oval in color. They were observed with binoculars.	45 Min.	None	Varied	---	Varied	Four civilians	No conclusions. Too fast for balloons. No aircraft in the area.
Bright flash of green light which persisted for 3-4 seconds.	3-4 Sec.	None	---	---	---	AF Intelligence Officer	No conclusions.
Circular object very close to the ground. Estimated 200 ft.	---	---	---	200 ft. (Est)	---	Civilian	Information extremely doubtful.

SIGHTINGS OF UNIDENTIFIED OBJECTS

DATE	TIME (Local)	LOCATION	DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALT
20 May 52	1425 PDST	George AFB, Calif.	Third separate report by airman at approximately same time and with same description. Others 13 and 14 May. (Unclassified)	5 Min.	---	Stationary	---
20 May 52	2210	Houston, Texas	Very bright orange white light moving toward observers from north at an angle of 45° with erratic movements from side to side.	90 Sec.	---	---	---
21 May 52	0830 CDST	Lombard, Ill.	Spherical glass-like object dented mail box and bounced onto porch. Source attempted to pick up object but it was too hot.	---	---	---	---
22 May 52	1240 PDST	Stockton, Calif.	A silver, rectangular object hovering in sky and eventually fading away. (Restricted)	25 Min.	---	Stationary	30,000
22 May 52	---	Alexandria, Va.	Oval-shaped, reddish glow, moving very rapidly on erratic course. (Unclassified)	---	---	---	5,000
24 May 52	0827Z	Zuni, N. M.	Two torpedo shaped objects, reddish in color, appearing not to have center section and traveling in arc. (Restricted)	15 Sec.	---	---	Desc
25 May 52	1658Z	Tierra Amarilla, N. M.	Observed with OPs-5 radar. Appeared on scope three times on two radar sets. (Secret)	40 Sec.	---	1800 mph	---
25 May 52	2127 GST	Randolph AFB, Texas	Tear-drop shaped objects like white light with an orange tinge in a very tight "V" formation and in three groups of four each. (Restricted)	3 Sec.	---	Comparable to falling star (1500-2000 mph)	Above ft
28 May 52	1345 MST	Kirtland AFB, N.M.	Three pinkish objects in trail formation sighted from ground. (Restricted)	---	---	---	Vari

SIGHTINGS OF UNIDENTIFIED OBJECTS

DESCRIPTION OF INCIDENT	LENGTH OF TIME OBSERVED	SOUND	SPEED	ALTITUDE	HEADING	SOURCE	ACTION OR COMMENTS
seen at approximately same time and with same description. (Restricted)	5 Min.	—	Stationary	—	—	Airman	See Appendix VI.
moving toward observers from north at an angle of 45° side to side.	90 Sec.	—	—	—	S	AF Pilots	Similar to meteor except for erratic movement.
hit mail box and bounced onto porch. Source attempted to pick up. (Restricted)	—	—	—	—	—	Civilian	Glass marble with tar-like covering origin unknown.
hovering in sky and eventually fading away. (Restricted)	25 Min.	—	Stationary	30,000 ft.	—	Civilians	None.
moving very rapidly on erratic course. (Unclassified)	—	—	—	5,000 ft.	—	Civilian	Insufficient information.
reddish in color, appearing not to have center section. (Restricted)	15 Sec.	—	—	Descending	S	TWA Pilot	Resembles fireball or other astronomical activity.
appeared on scope three times on two radar sets. (Secret)	40 Sec.	—	1800 mph	—	325°	Radar	Pending
with an orange tinge in a very tight "V" formation. (Restricted)	3 Sec.	—	Comparable to falling star (1500-2000 mph)	Above 10,000 ft.	E	USAF Navigator, wife and friend	Pending
formation sighted from ground. (Restricted)	5	—	—	Varied	W	Civilians	Pending

APPENDIX I

Fargo, North Dakota - 25 April 1952

I. DESCRIPTION OF INCIDENT

Between 2100 and 2145 hours on 25 April 1952, eight observers reported sighting unidentified flying discs which appeared in a wide "V" formation. There were five discs per flight and a total of five flights at eight minute intervals. The direction of flight was consistently south to north.

The formation was described as a wide "V", irregular or more specifically, sloppy, in that the disc pilots, if such is the case, appeared to have trouble maintaining constant speed and altitude.

II. STATUS OF THE INVESTIGATION

The Commanding Officer of Detachment 2, 462nd Ground Observer Squadron, Fargo Filter Center, Fargo, North Dakota, followed up the report personally. He proceeded to the top (10th floor) of the Black Building in Fargo, North Dakota, at about 2030 hours on 28 April 1952 equipped with binoculars, high-speed camera, telescope, etc., and awaited the mysterious flights. A number of local citizens shared his vigil with him.

III. CONCLUSIONS

The unidentified discs seen traveling very high and fast and of bright red and orange color were identified by the above observers (II) as being migrating mallard and teal ducks.

APPENDIX II

Rio de Janerio, Brazil - 7 May 1952

I. DESCRIPTION OF INCIDENT

On 7 May 1952 two photographers of "O Cruzeiro" Magazine in Rio de Janerio, Brazil, reported that they had photographed a "flying disc" at a position $23^{\circ} 01' S$, $43^{\circ} 26' W$. The object reportedly was in view one minute during which time five photographs were taken.

It approached from the southeast, made a 180° turn and went out of sight toward the sea at what was described as high speed. The color of the object was blue-gray and it seemed to be over 1000 meters in altitude and about twice the size of a DC-3.

II. STATUS OF THE INVESTIGATION

The photographers reportedly were asking \$25,000 for the five negatives, consequently, the negatives are not available for study.

III. CONCLUSIONS

Until the negatives are analyzed, it is impossible to draw any definite conclusions. It is doubtful that the pictures and story are authentic.

APPENDIX III

Atlantic Ocean - 8 May 1952

I. DESCRIPTION OF INCIDENT

On 8 May, approximately 600 miles off the east coast of the United States, between Jacksonville, Florida, and Savannah, Georgia, the pilot and co-pilot of Pan American Airline Flight 203, enroute to San Juan from New York, sighted three unidentified aerial objects. The objects were on a reciprocal heading of approximately 355° to 360° at the same altitude as the airliner.

The first object resembled a landing light but was much whiter and about ten times as large. It was followed by two slightly smaller orange objects with tapering tails which were fringed with blue. These three round objects were equally spaced and between $1/8$ and $1/4$ mile off the left wing.

II. STATUS OF THE INVESTIGATION

The sources were interrogated and stated that the objects were completely foreign to them. There was no known missile, naval or air activity in the area at that time.

III. CONCLUSIONS

No conclusions.

APPENDIX IV

Seattle, Washington - 11 May 1952

I. DESCRIPTION OF INCIDENT

At approximately 0124 to 0132 PST, on 11 May 1952 many individuals reported sighting a vivid blue object with flaming sparks or streamers coming nearly straight down over Seattle, Washington. The object exploded in a brilliant flash, lighting up the sky and then disappeared. After the explosion, some of the witnesses experienced a tremor or shock wave of approximately nine seconds duration.

II. STATUS OF THE INVESTIGATION

Two local astronomers were contacted and they stated that the object was a meteor. At the present time the astronomers are searching for fragments to confirm their statement.

III. CONCLUSIONS

Object was probably a meteor but file will not be closed until confirming evidence is found.

APPENDIX V

El Centro, Calif., Area - 13 May 1952

I. DESCRIPTION OF INCIDENT

In the El Centro, Calif., Area on 13 May 1952 four separate reports of unidentified aerial objects were made. They were as follows:

a. 1115Z - Hovering over El Centro, five "flying saucers" as large as B-36's, with a light underneath, disappeared to the southwest at a terrific rate of speed. They were reported by the El Centro Sheriff's Office.

b. 1115Z - An F9F pilot taking off from El Centro Naval Air Station reported what appeared to be a shooting star diving at an angle of 60°.

c. 1142Z - A sheriff's car at Neland, Calif., sighted a strange object resembling a parachute flare over the south end of the Salton Sea.

d. 1150Z - A control tower operator at Yuma, Arizona, sighted an orange and blue object 320° and 20 miles from his position. After hovering for a short time in one position, it changed to another position and began hovering again. Operator said it was sighted for too long a period to be a falling star.

II. STATUS OF INVESTIGATION

There were no AF fighters airborne at the time but four F9F's from El Centro Naval Air Station were airborne from 1100Z to 1230Z.

III. CONCLUSIONS

a. It is possible that the F9F's and what appeared to be a shooting star account for the first report.

b. What appeared to be a shooting star was probably a meteor.

c. No conclusions.

d. The tower operator stated that he had observed the same phenomenon several times previous and is convinced that it is merely the reflection of automobile headlights on the highway at night.

APPENDIX VI

George AFB, Calif. - 1, 9, 13, 14, 20 May 1952

I. DESCRIPTION OF INCIDENT

The sighting on 1 May 1952 at George AFB, Calif., was the first of a series of nine sightings there in a three week period. These sightings were all by military personnel.

a. 1 May 1952 - Five round, disc-shaped objects, flat white in color which gave no glare or reflection were sighted. They were in formation with three in front and two in the rear. The latter two darted around in a circular or zig-zag manner.

b. 9 May 1952, 1030 PDST - An unidentified round, silver object was sighted visually from the ground and from two F-86 aircraft.

c. 9 May 1952, 1230 PDST - Two unidentified objects moving with the current or breeze at a slow speed. They appeared to be a silver metal color with a dark spot in the center and at certain angles to the sun gave off a bright glare.

d. 9 May 1952, 1720 PDST - Object was of dull color like a thundercloud. It was shaped like an arrowhead but had no known aerodynamic features.

e. 11 May 1952, 1220 PDST - Object looked like a white paper plate flipping end over end with an initial speed comparable to a jet although later it reduced its pace.

f. 13 May 1952, 1425 PDST - Single object, appeared round, shiny, metallic which glowed or reflected white or silver was observed for thirty minutes.

g. 14 May 1952, 1405 to 1430 PDST - Same description as object sighted on 13 May and by same sources.

h. 20 May 1952, 1425 PDST - A silver colored, bright, round object was observed for five minutes. Initially the object was stationary but eventually moved and faded away.

II. STATUS OF INVESTIGATION

Only balloons released from Edwards AFB can be tracked accurately over George AFB, consequently, for the most part they are the only balloons with which we are concerned. These balloons are released irregularly thus accounting for some of the unusual times of sightings reported in cases which are probably balloons.

The project monitor of Blue Book went to George AFB to investigate the various reports.

- a. 1 May 1952 - Report well documented. No additional information obtained.
- b. 9 May 1952, 1030 PDST - A balloon was released from Edwards AFB, 55 minutes prior to this sighting.
- c. 9 May 1952, 1230 PDST - No known activity which could account for sighting.
- d. 9 May 1952, 1720 PDST - No known activity which could account for sighting.
- e. 11 May 1952 - Third report in three days from same individual. No activity in area.
- f. 13 May 1952 - Balloon launched from Edwards AFB at 1340 PDST.
- g. 14 May 1952 - No balloon release officially reported.
- h. 20 May 1952 - Balloon released from Edwards AFB at 1332 PDST.

III. CONCLUSIONS

- a. 1 May 1952 - No Conclusions.
- b. 9 May 1952, 1030 PDST - Very probable that the balloon released from Edwards AFB was the object sighted.
- c. 9 May 1952, 1230 PDST - Very possible that paper was caught in the thermals and swept along. A similar sighting turned out to be just that.
- d. 9 May 1952, 1720 PDST - No conclusions.
- e. 11 May 1952 - No conclusions.
- f. 13 May 1952 - Probably was balloon released from Edwards AFB, 45 minutes previous.
- g. 14 May 1952 - Description fits incident of 13 May so perfectly it is highly probable that the object was a balloon.
- h. 20 May 1952 - Balloon released 53 minutes prior to sighting was probably object observed.

APPENDIX VII

Nenana, Alaska - 22 January 1952

I. DESCRIPTION OF INCIDENT

At 1020Z on 22 January 1952, a radar station at Murphy's Dome, Alaska, observed an unidentified radar return. The target was going away from the station on an azimuth of 210° , at a speed of about 1500 mph when first observed but appeared to reverse its direction and returned toward the station. The set was adjusted so that the target could be observed as it closed in on the station but after this change was made the target was again observed, however, at about its original location, and again going away from the station. Just before it faded, it appeared to be making a turn back toward the station.

At 1030Z an F-94 was airborne to search for the object. At this time the object was going away from the station at a high rate of speed so the F-94 was told to orbit. About this time the ground station lost contact with the object but continued to track the F-94.

At about 1100Z as the F-94 was approaching Nenana (near Fairbanks), the radar observer in the F-94 observed two targets, one faint and one bright. The aircraft was at 30,000 ft. and the target was at 25,000 ft. The targets crossed from right to left and appeared to be traveling slowly and as the F-94 approached the target a high rate of closure was indicated. The contact was lost at a range of 200 yards.

Approximately one hour later, again near Nenana, another contact was made by the F-94. In this instance the target was kept dead ahead and level. When the target was at a range of 200 yards, the pilot pulled up and the target was lost. The rate of closure during the run was 100 knots even though the F-94 had flaps down. No other contacts were made and the aircraft was released at 1210Z.

During the two airborne contacts the F-94 was being tracked by the ground station but the object was not being picked up.

The weather was clear but no visual sighting was made. On the same night, the same crew had visually identified a C-54, a C-47, and a small civilian aircraft from 300 to 500 yards. There were no clouds in the sky but it was a dark night.

No malfunctions were found in either radar set.

II. STATUS OF INVESTIGATION

Report by Electronics Branch of ATIC.

Target being slanted instead of perpendicular to radii from radar station indicates possible weather target. Speed may be accounted for by the momentary appearance and disappearance of other weather targets. Further explanation cannot be made.

III. CONCLUSIONS

Target caused by weather phenomena.

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