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History of

4602D

**AIR INTELLIGENCE
SERVICE SQUADRON**

P.R.C.

S.H.A.

RM-67-1632

DECLASSIFIED

AF/1, Dec 1973
By AFSnRC
Date: OCT 23 1975

423077

VOL. 1

4602D AISS Classified
Document Log # 56 0032
Copy # 1 of 6



1 JAN. - 30 JUNE 1955

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AF FORM 111, 13 Dec 1978
By AIRSIBG OCT 28 1975
Date:

P. R. C.

SQUADRON HISTORY

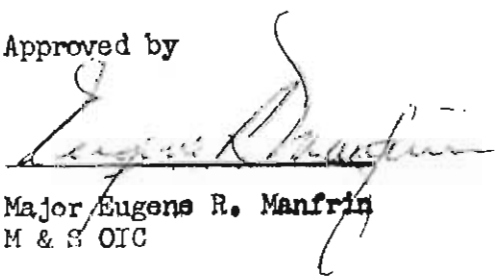
4602d

Air Intelligence Service Squadron

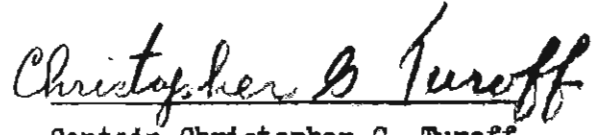
Air Defense Command

1 January 1955 - 30 June 1955

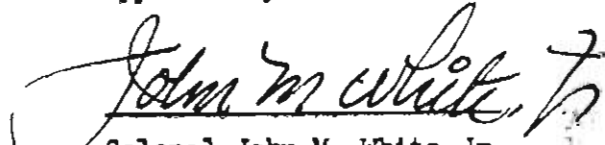
Approved by


Major Eugene R. Manfrin
M & S OIC

Prepared and written by


Captain Christopher G. Turoff
Squadron Historian

Approved by


Colonel John M. White Jr.
Commander

DECLASSIFIED

OCT 28 1975


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H. H. White, Jr. / 119 USAF
Name Grade

7616

AISOP
DCE/I, ADC

Command Data for the Months of Apr, May, Jun 1955
Commander 4602d AISS 11 July 1955

1. OPERATIONS

a. UFOB's

The 4602d Air Intelligence Service Squadron has received a total of 306 preliminary UFOB reports from 12 August 1954 to 30 June 1955. Of this total, 198 reports were resolved by analysis at Squadron Headquarters; 48 were resolved by follow-up investigations; and 60 were forwarded to Air Technical Intelligence Center as unresolved, 37 for lack of sufficient data for evaluation and 23 as unknown. (See Incl #1)

b. Communications

In reply to an American Association of Railroads circular soliciting the emergency use of railroad communications facilities by the 4602d AISS to transmit combat intelligence reports and peacetime test messages, forty-five Member Roads have pledged communications support. Detailed working arrangements with individual railroads, for use of their facilities, are currently being negotiated. (See Incl #2)

c. Project Moby Dick

Official notice was received from 1st AD (SAC) concluding 4602d AISS participation in all phases of "Moby Dick" as of 10 June 1955. TAC has assumed the parachutist phase of the project.

The requirement for constant movement of parachutists together with the scattered locations of 4602d AISS field units created problems in coordination and funding. These problems, caused by the need of constant availability and readiness of all jumpers in event of attack, precluded the assignment of parachutist on unlimited TDY.

During 4602d AISS participation, from Dec 54 to 10 Jun 55, parachutists performed 34 individual jumps in 18 separate operations and recovered 18 packages.

2. MATERIAL AND SERVICES

Several new authorization documents, T/A 1-32, T/A 1-21 issued by Headquarters AMC have reduced the problems encountered by headquarters and the field units in obtaining equipment. Headquarters AMC authorized by letter AIMAC-12, 4 June 1955, annual training requirements for ammunition and pyrotechnics. This letter will be in effect until AFR 50-22 is revised.

30

JOHN H. WHITE JR, Colonel, USAF
Commander

Document consists of 1 pag
3 of 3 copies.

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55-0624

UFOB SIGHTINGS

12 AUG. 54 - 30 JUNE 55

~~CONFIDENTIAL~~

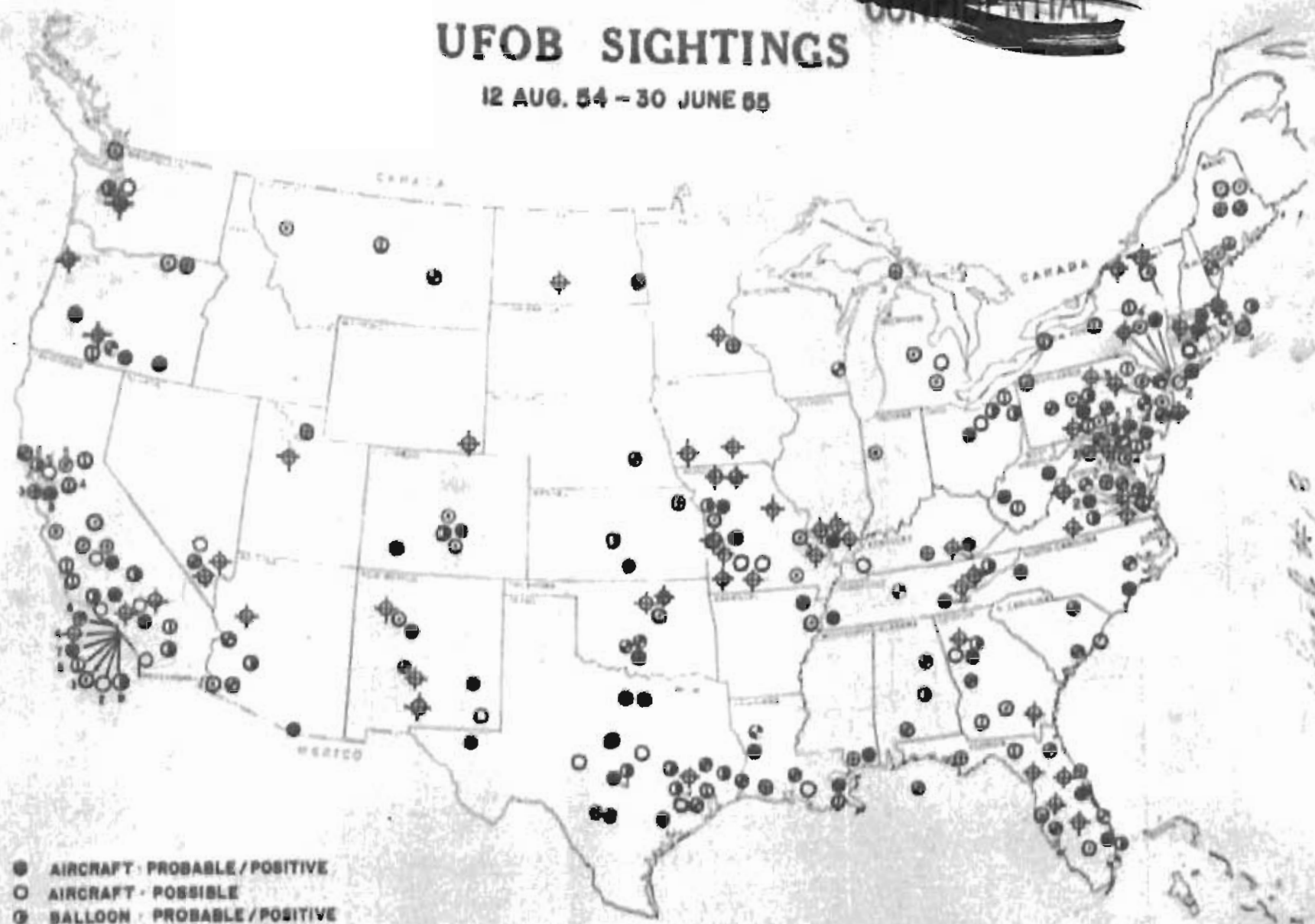


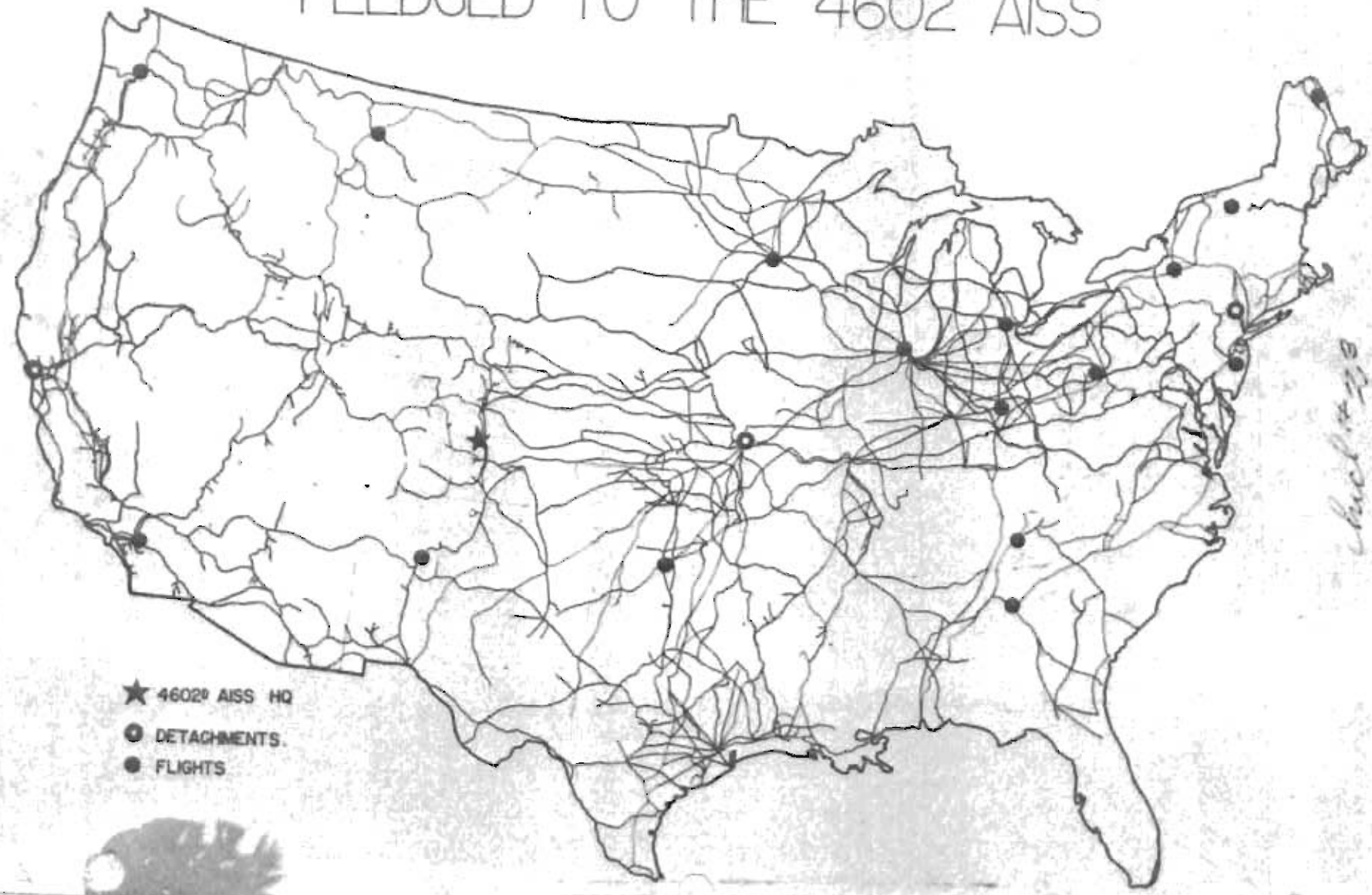
Chart #1, B

- AIRCRAFT - PROBABLE / POSITIVE
- AIRCRAFT - POSSIBLE
- ⊙ BALLOON - PROBABLE / POSITIVE
- ⊕ BALLOON - POSSIBLE
- ⊗ ASTRONOMICAL - PROBABLE / POSITIVE
- ⊘ ASTRONOMICAL - POSSIBLE
- ⊙ O - R - IDENTIFIED
- ⊛ UNRESOLVED / INSUFFICIENT DATA

TOTAL REPORTS	309
RESOLVED BY 4802D AIRS HQ	199
RESOLVED BY FOLLOW-UP INVESTIGATIONS	48
FORWARDED TO ATIC AS UNRESOLVED	60

CONFIDENTIAL

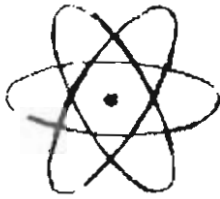
RAILROAD COMMUNICATIONS SUPPORT NETWORK PLEGGED TO THE 4602⁰ AISS



- ★ 4602⁰ AISS HQ
- DETACHMENTS
- FLIGHTS

Sheet # 1/28

UFOB *Guide*



4 6 0 20 A I S S

U F O B

(Unidentified Flying Objects)

G U I D E

M a r c h 1 9 5 5

4602d Air Intelligence Service Squadron

Squadron Guide

No. 200-2

Hq H602d A I S S
Ent AFB
Colorado Springs, Colorado
15 March 1955

FOREWORD

1. Purpose

a. To combine into a single Squadron publication all directives from higher headquarters pertaining to the investigation and reporting of UFOB's;

b. To establish procedures for the evaluation and reporting of UFOB's by elements of the H602d AISS, in implementation of the Squadron responsibilities contained in AFM 200-2, ADCR 200-7 and ADCSM 200-2;

c. To provide guides for use in the conduct of UFOB investigations by elements of the H602d AISS.

2. Scope

All investigation and reporting of UFOB's by elements of the H602d AISS will be governed by the provisions of this Guide. All previous instructions issued by Hq H602d AISS on this subject are hereby rescinded.

3. Recommendations


All elements of the H602d AISS are encouraged to submit comments and suggestions for the improvement of the Squadron UFOB program.

4. Changes

Changes to this Guide will be published in accordance with the change system used for all Squadron publications. Changes will be filed in the front of the Guide after the necessary annotations have been made.

BY ORDER OF THE COMMANDER:

OFFICIALS


MAJ. ROY JONES
Colonel USAF
Adjutant

MAJ. J. J. J.
Major USAF
Adjutant

Guide

Distribution:

	<u>Copies each</u>
4602d AISS Flights and Detachments	1
4602d Headquarters (Ops)	2
4602d Headquarters (History)	7
4602d Headquarters (Central Files)	1
Air Technical Intelligence Center	1
DCS/I, CONAD	1

(Additional copies are available upon request.)

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PART I

DIRECTIVES

1. Directives of Higher Headquarters

The directives of higher headquarters pertaining to UFOB's form the basis for all the instructions contained herein. It is intended that all personnel will study such directives in minute detail; reference to specific portions of these directives elsewhere herein has, therefore, been held to a minimum.

2. Current Publications

The following directives of higher headquarters, all of which are attached hereto, have been published to date on the subject of UFOB's:

- a. AFR 200-2, 12 August 1954
- b. ADCR 200-7, 29 January 1955
- c. ADCSM 200-2, 29 January 1955

This page will be removed and
replaced with AFR 200-2
dated 12 August 1954

Cross reference to the new location
of this directive will be made in
the Regulations File.

This page will be removed and
replaced with ADCR 200-7
dated 29 January 1955.

Cross reference to the new location
of this directive will be made in
the Regulations File.

This page will be removed and
replaced with ADCSM 200-2
dated 29 January 1955.

Cross reference to the new location
of this Directive will be made in
the Regulations File.

PART II

THE PRELIMINARY REPORT

1. Responsibility for Preparation

The responsibility for preliminary report preparation is set forth in AFR 200-2. Field units of the 4602d AIBS are responsible for the preparation of preliminary reports only when they receive the initial notification of a UFOB sighting from a non-Air Force source. In some cases they may also be called upon to assist an ADC element, in accordance with the provisions of paragraph 3a (2), ADCR 200-7. The 4602d recipient of the initial notification of the sighting should make every effort to obtain all the information required by paragraph 7d, AFR 200-2.

2. Content

All information relative to the UFOB will be reported, in accordance with the format set forth in paragraph 7d, AFR 200-2.

3. Differentiation between "Unknowns" and "UFOB's"

"Unknowns (unknown aircraft)" within the Air Defense system -- e.g., ADIZ violations -- should not form the basis for a preliminary report. Normally, ADC elements will screen out such unknowns from the UFOB reporting process, as part of their routine Air Defense functions. Flying objects unknown to their observers to be aircraft, however, should become the basis for a preliminary report, and 4602d elements receiving such initial information should file a preliminary report.

4. Necessity for Filing

Neither the identification of a UFOB (as distinguished from an "unknown" in the Air Defense System), nor the evaluation of information gained in the initial notification, prior to preparation of the preliminary report, will result in a failure to file a preliminary report. Preliminary reports form the basis for the statistical analyses of UFOB's required of ATIC by USAF and they must all, therefore, be turned in, regardless of whether or not the objects are identified.

5. Delay in Filing

The 72-hour period immediately following the sighting of a UFOB is the critical period for investigative efforts. During this period, the event is still fresh in the minds of the observers, most of the observers can still be found, and this is the best period for contacting the many outside agencies and persons who can be of possible assistance in identifying the object. Delay in the filing of the preliminary report can

THE PRELIMINARY REPORT (continued)

therefore be the determining factor in whether or not a sighting is identified as a known object. All preliminary reports should be immediately transmitted by electrical means, unless the information is already over 72 hours old at the time of receipt, in which case the report will be prepared on AF Form 112.

6. A sample electrical preliminary report is attached hereto.

SAMPLE TELETYPE MESSAGE: PRELIMINARY REPORT

3TP P001

FNA344E

YMB076

VYC311

VMB149

JESKS 053

RR JEDEN JESDB JEDQP JESDT JEPHQ 555

DE JESKS 27

R 041800Z

FM COMDR KEESLER AFB MISS

TO COMDR ENT AFB GOLO SPRINGS COLO

JESDB/COMDR 35TH ADIV DEF DOBBINS AFB GA

JEDWP/COMDR ATIC WRIGHT PATTERSON AFB OHIO

JEDST/COMDR ATRC SCOTT AFB ILL

JEPHQ/DIR OF INTL HQ USAF WASH 25 DG

ZEN/COMDR TTAF GULFPORT MISS

4G701M UFOB THE FOLLOWING IS SUBMITTED IN COMPLIANCE WITH

PAR 7 AFR 200-2, DTD 12 AUG 54

1. A. ROUND AND APPARENTLY FLAT
B. NICKEL (OBSERVER EST SIZE OF OBJECT TO BE 30-35 FT IN DIAMETER)
C. GREY
D. ONE
E. N/A
F. NONE
G. NONE
H. NONE (OBSERVER WAS IN AUTOMOBILE)
I. OBJECT APPEARED TO BE TRANSLUCENT AND ROTATING ON VERTICAL AXIS AT HIGH RPM. IT INITIALLY HAD AN UP-AND-DOWN MOTION GOING FROM AN ALTITUDE OF 400-500 FT DOWN TO BEHIND TREES AND OUT OF SIGHT. OBJECT HOVERED AFTER RISING AND THEN MOVED OFF TO THE EAST CLIMBING AT A 10-20 DEGREE ANGLE AT EST SPEED OF 500-600 MPH. AS OBJECT MOVED TO THE EAST IT REFLECTED THE SUNLIGHT AND APPEARED TO BE SHAPED AS THOUGH TWO PLATES WERE PLACED TOGETHER.
2. A. OBSERVERS WIFE CALLED ATTENTION TO OBJECT WHILE IN AN AUTOMOBILE.
B. INITIAL AZIMUTH-90 DEGREES 47 5 DEGREES ELEVATION. SUBSEQUENT AZIMUTH 045 DEGREES WITH ELEVATION VARYING BETWEEN 7 DEGREES TO BELOW LINE OF VISION.
C. 90 DEGREES AZIMUTH AT 10 DEGREES ELEVATION.
D. SEE PAR II ABOVE.
E. OUT OF LINE OF VISION DUE TO TREES
F. APPROX 30 SECONDS
3. A. GROUND VISUAL
B. N/A
C. N/A

4. A. 031812Z
B. DAY
5. ON HIGHWAY 49 IN GULFPORT AT THE CORNER OF THE MISSISSIPPI ALUMINUM COMPANY BUILDING
6. A. MR S P MELLEN 31 YRS OLD 4706 KENDALL AVE GULFPORT MISS. VICE PRES OF MISS-GULFPORT COMPRESS AND WAREHOUSE INCORP BOX 77 GULFPORT MISS.
B. N/A
7. A. BRIGHT SUN CLEAR NO CLOUDS
B. SURFACE 045 DEG - 10K
6000 - 310 DEG - 27K
10000 - 320 DEG - 35K
16000 - 310 DEG - 45K
20000 - 300 DEG - 65K
30000 - 310 DEG - 85K
50000 - 310 DEG - 95K
80000 - N/A N/A
C. 30000 THIS SCATTERED
D. 12 MILES
E. 0/10 - 2/10
F. NEGATIVE
8. NONE
9. NEGATIVE
10. NONE IN AREA OF SIGHTING
11. UFOB INVESTIGATION, WING PLANS & PROGRAMS, OBSERVER IS A RECENTLY DISCHARGED AIR FORCE NAVIGATOR WITH 2000 FLYING HOURS. HE SERVED IN WW11 AND IN KOREA AND WAS SEPARATED FROM USAF 22 JUL 54. INVESTIGATOR DOES NOT QUESTION OBSERVERS RELIABILITY DUE TO HIS MILITARY EXPERIENCE AND THE EFFORTS HE TOOK TO EXPLAIN SIGHTING DISCUSSION WITH OBSERVER AND LOCAL METEOROLOGIST INDICATES SIGHTING COULD POSSIBLY HAVE BEEN A SMALL VORTEX OF WIND AND DUST. WEATHER CONDITIONS AT TIME OF SIGHTING DO NOT SUPPORT THIS CONSIDERATION.

04/2044Z DEC JESKS

PART III

OPERATIONAL CONTROL

1. Approval of Headquarters

Field units will obtain approval from Headquarters 4602d AISS prior to conducting either a preliminary or a follow-up investigation of a UFOB. Investigations may be conducted without prior approval if circumstances require immediate action; in such cases, the Commander of the 4602d AISS will be notified as soon as possible of the action taken.

2. Electrical Reports

Under the provisions of ADCR 200-7, field units of the 4602d will receive copies of electrical reports forwarded to Air Division Commanders, in accordance with paragraph 7, AFR 200-2. Copies of such reports will also be received at Headquarters 4602d. All electrical reports will be evaluated at Squadron Headquarters and, when appropriate, field units will be directed to conduct follow-up investigations.

3. Preliminary Reports on Form 112

Preliminary reports prepared on AF Form 112 and received at Headquarters ADC will be forwarded to Commander, 4602d, for appropriate action. If, on the basis of the evaluation of the report, it is determined that a follow-up investigation is necessary, the appropriate field unit will be notified and furnished the information contained in the preliminary report.

4. Air Technical Intelligence Center

In the event ATIC desires specific information to aid in their evaluation of a UFOB report and this information can be furnished by a field unit of the 4602d without involving travel, ATIC may contact the appropriate unit directly. In case ATIC desires further information the supplying of which would necessitate travel by a 4602d unit, approval of the Commander, 4602d AISS, is required.

PART IV

THE INVESTIGATIVE PROCESS

1. Evaluation of the Preliminary Report

a. All preliminary reports will be evaluated by Headquarters 4602d AISS, in order to determine what further action, if any, is to be taken. The evaluation is conducted by the Operations section at Headquarters.

b. The preliminary report format requires certain basic information about every UFOB sighting. Analysis of this information will usually suggest one or more hypotheses as to the cause or explanation for a sighting. These hypotheses are expressed in terms of known objects or phenomena. The determination as to whether or not further investigation is warranted by 4602d units hinges primarily upon the question of whether such investigative efforts will adduce more evidence which will tend to either support or negate the hypotheses suggested by the contents of the preliminary report.

c. Theoretically, every UFOB sighting should be followed up by further investigation. The limitations necessitated by budget problems, lack of personnel, and improbability of investigative return, however, preclude this possibility. The ATIC Guide, Part I, attached hereto, attempts to supply some of the criteria for the selection of those cases warranting follow-up investigation by 4602d units. Although the Guide is of primary interest to Headquarters, it should be studied by all personnel interested in gaining a better understanding of the Squadron UFOB program.

d. One other factor enters into the evaluation stage -- namely, the Squadron field investigative functions for CONAD, in CONAD's concern with possible threats to the security of the United States and its forces. Many sightings which would be of no further interest from primarily a UFOB standpoint -- e.g., a sighting which in the preliminary report itself is already unquestionably established as the dropping of aircraft flares -- may bear further looking into from a security viewpoint. In such cases, follow-up action by 4602d units could be instituted in furtherance of CONAD desires, even though the UFOB aspects would otherwise be considered closed.

2. Conduct of the Follow-up Investigation

a. Follow-up investigations are conducted under the direction of Sq 4602d AISS. In most cases, authority to conduct a complete follow-up investigation will be delegated to the OIC of the unit assigned the investigation. Such cases should result in preparation of a Form 112 by the investigating unit. In some cases, however, units may be asked to

THE INVESTIGATIVE PROCESS (continued)

conduct only limited inquiry for the purpose of acquiring specific items of information. The transmission of specific items of information will generally be handled informally by telephone or teletype. Headquarters will in all cases make the final decision as to the type of report required.

b. Elements of the Squadron are authorized direct contact with any person or agency for the purpose of gathering information in connection with the investigation of a UFOB. Contact may be made by any means — in person, mail, telephone. Judicious use of mail and telephone is encouraged and may result in savings of both time and money to the government.

c. The investigator must follow a logical, systematic process of investigation. The process, in its methodology at least, should resemble that of a true scientific inquiry. You are striving, in your investigative efforts, to test all possible hypotheses as to the identity of, or explanation for, the phenomenon which resulted in the sighting. Unlike the results of a true controlled scientific analysis, your efforts will only rarely achieve a positive identification of the phenomenon. In most cases, however, if you have truly exhausted all possible lines of inquiry, the preponderance of the evidence which you have adduced will tend to support one hypothesis to the exclusion of the others, with the result that you gain a conviction as to the probable identification of the phenomenon which caused the sighting. There will be cases, of course, where the evidence remains inconsistent and contradictory, despite your efforts to resolve the conflict, and such cases will have to be considered unsolved.

d. The Squadron is charged, in follow-up investigations, with exhaustion of investigative effort. That means that every conceivable hypothesis applicable to the phenomenon will be tested by all available means. In addition to interviewing all sources, all other agencies whose facilities can possibly contribute to an analysis of the phenomenon will be visited. The list of Possible Sources of Information in the Conduct of UFOB Investigations, attached hereto, gives some suggestions as to the types of agencies with information of value to a UFOB investigation.

e. The ATIC Guide, Part II, attached hereto, sets up the principal identification criteria for the phenomena which most often result in UFOB sightings. The letter from ATIC dated 15 February 1955, subject: "Evaluation of Unidentified Flying Objects," also attached hereto, further clarifies ATIC policy concerning the considering of UFOB cases as solved.

f. The attitude of SAC and personnel conducting a UFOB investigation should at all times reflect consideration and courtesy, and particularly

THE INVESTIGATIVE PROCESS (continued)

with respect to civilian interviewees. The people reporting these sightings are for the most part conscientious public-spirited citizens trying to perform what they consider to be a public service. That they are often untrained observers in no way derogates from the generosity and the civic-mindedness of their willingness to give their time and assistance.

g. In no case will any investigator take any action which is not within the purview of his authority. Detention or arrest of private citizens for any purpose, for example, constitutes action which is unconnected with the processes of UFOB investigation and which goes beyond the purview of the military authority of 4602d investigators.

3. Preparation of AF Form 112

a. All Forms 112 prepared by 4602d units will be mailed to Commander, 4602d, for review, comment, reproduction and distribution.

b. U S Air Force Technical Information Sheet, Form A, attached hereto, should be used as a guide for the interviewing of sources. Additional forms indicated in the ATIC publication "How to Make Flyobrpts" will be used where applicable, but instructions in that manual in conflict with instructions contained in this Guide will be disregarded. The information compiled from the use of all these forms will be included in the Form 112 in summarized form. In no case will the forms themselves be incorporated into, or completely copied into, the 112 report.

c. Photographs will be collected and submitted in accordance with paragraph 8, AFR 200-2.

d. Other types of physical evidence will be sent to Commander, Air Technical Intelligence Center, Wright-Patterson AFB, Attention: ATIAE-5, by the most expeditious means available. The evidence will be accompanied by a cover letter which gives reference to the UFOB number, its sighting location and the Greenwich date-time group. The Form 112 which is prepared later will reflect the fact that the inclosures were sent in advance, under separate cover.

e. The Form 112 report of a follow-up investigation will contain a complete report of all the information collected about the sighting, including the information in the preliminary report. The final Part of the report will contain the conclusions of the Preparing Officer as to the explanation for the sighting and the reasoning behind the conclusions.

THE INVESTIGATIVE PROCESS (continued)

f. The sample annotated format of a form 112, attached hereto, will serve as a guide for the special preparation of the form when used for the reporting of UFOB's.

UFOB GUIDE

This guide is designed for use in determining the feasibility of follow-up investigation of Unidentified Flying Object reports and in identifying the objects or phenomena concerned.

AIR TECHNICAL INTELLIGENCE CENTER
WRIGHT PATTERSON AIR FORCE BASE, OHIO

Fitch #1

PART I

FOLLOW-UP INVESTIGATIONS

GENERAL

An UFOB report is worthy of follow-up investigation when it contains information to suggest that a positive identification with a well known phenomenon may be made or when it characterizes an unusual phenomenon. The report should suggest almost immediately, largely by the coherency and clarity of the data, that there is something of identification value and/or scientific value.

In general, reports which should be given consideration are those which involve several reliable observers, together or separately, and which concern sightings of greater duration than one quarter minute. Exception should be made to this when circumstances attending the report are considered to be extraordinary.

Special attention should be given to reports which give promise of a "fix" on the position and to those reports involving unusual trajectories.

RULES OF THUMB

Every UFOB case should be judged individually but there are a number of "rules of thumb," under each of the following headings, which should prove helpful in determining the necessity for follow-up investigation.

1. Duration of Sighting

When the duration of a sighting is less than 15 seconds, the probabilities are great that it is not worthy of follow-up. As a word of caution, however, should a large number of individual observers concur

on an unusual sighting of a few seconds duration, it should not be dismissed.

When a sighting has covered just a few seconds, the incident, when followed-up in the past, has almost always proved to be a meteor or a gross mis-identification of a common object owing to lack of time in which to observe.

2. Number of Persons Reporting the Sighting

Short duration sightings by single individuals are seldom worthy of follow-up.

Two or three competent independent observations carry the weight of 10 or more simultaneous individual observations. As an example, 25 people at one spot may observe a strange light in the sky. This, however, has less weight than two reliable people observing the same light from different locations. In the latter case a position-fix is indicated.

3. Distance from Location of Sighting to Nearest Field Unit

Reports which meet the preliminary criterion stated above should all be investigated if their occurrence is in the immediate operating vicinity of the squadron concerned.

For reports involving greater distances, follow-up necessity might be judged as being inversely proportional to the square of the distances concerned. For example, an occurrence 150 miles away might be considered to have four times the importance (other things being equal) than one that is 300 miles away.

4. Reliability of Person or Persons Reporting

In establishing the necessity of follow-up investigation only "short term" reliability of individuals can be employed. Short term reliability is judged from the logic and coherency of the original report and by the age and occupation of the person. Particular attention should be given to whether the occupation involves observation reporting or technical knowledge.

5. Number of Individual Sightings Reported

Two completely individual sightings, especially when separated by a mile or more constitutes sufficient cause for follow-up, assuming previous criterion have not been violated.

6. The Value of Obtaining Additional Information Immediately

If the information cannot be obtained within seven days, the value of such information is greatly decreased.

It is of great value to obtain additional information immediately if previously stated criteria have been met. Often, if gathered quickly, two or three items (weather conditions, angular speed, changes in trajectory, duration, etc.) are sufficient for immediate evaluation.

If investigation is undertaken after weeks or months the original observers cease to be of value as far as additional new information is concerned. Generally, late interrogation yields only bare repetition of facts originally reported plus an inability on the part of the observer to be objective.

7. Existence of Physical Evidence (Photographs, Material, Hardware)

In cases where any physical evidence exists, a follow-up should

be made even if some of the above criteria have not been met.

CONCLUSION - Part I

It is understood that all above criteria must be evaluated in terms of "common sense." The original report, from its wording and clarity will almost always suggest to the reader whether there is any "paydirt" in the report.

IRY
USA

REPORT NO. 1A-UFOB-2-55 (2) (LEAVE BLANK)
L602-UFOB-30-55 (1)

AIR INTELLIGENCE INFORMATION REPORT

SUBJECT

UFOB

AREA REPORTED ON

OLYMPIA, WASHINGTON, USA (3)

FROM (Agency)

Flight 1-A, L602d AISS

DATE OF REPORT

1 April 1955

DATE OF INFORMATION

28 March 1955 (4)

EVALUATION

(leave blank) (1)

PREPARED BY (Officer)

JAMES Q. SMITH, Captain, USAF

SOURCE

ANDREW B. CARVER and others (5)

REFERENCES (Chart number, direction, previous report, etc., as applicable)

TT AISOP 62, 28 March 1955; TT 28 AD, 28/03514Z March (6)

SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List enclosures at lower left. Begin text of report on AF Form 112-Part II.)

I. CONTENTS: (7)

PART ONE: Description of sighting by Mr. Andrew B. Carver, ~~XXXX~~ ~~XX~~ ~~XXXXX~~
~~XXXXXXXX~~ ~~XXXX~~ ~~XXXXX~~ ~~XXXXXX~~ ~~XX~~ ~~XXXX~~ ~~XXXX~~ ~~XXXXXXXX~~ ~~XX~~ ~~XXXXXX~~ ~~XXXXXXXX~~ ~~XX~~ ~~XXX~~ ~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXX~~

PART TWO: Description of sighting by Mrs. Helen C. Carver, ~~XXXXXXXX~~ ~~XXXXXX~~
~~XXXXXX~~ ~~XX~~ ~~XXXXXXXXXXXXXXXX~~ ~~XX~~ ~~XXXX~~ ~~XXXXXXXX~~ ~~XX~~ ~~XXXXXXXXXXXXXXXX~~ ~~XXXX~~ ~~XXXXXX~~ ~~XXXXXX~~ ~~XX~~ ~~XXX~~ ~~XXXXXXXXXXXX~~
~~XXXXXXXX~~

PART THREE: Supplementary Investigative Efforts

PART FOUR: Comments of Preparing Officer

II. SUMMARY: ~~XXXXXXXX~~ ~~XX~~ ~~XXXXX~~ ~~XXXX~~ ~~XXXXXX~~ ~~XX~~ ~~XX~~ ~~XXXX~~ ~~XX~~ ~~XXXXXXXX~~ ~~XXXXXXXX~~
~~XXXXXXXX~~ ~~XXXXXXXXXXXXX~~ ~~XXXX~~ ~~XXXXXX~~ ~~XXXXXXXX~~ ~~XXXXXX~~ ~~XXXX~~ ~~XX~~ ~~XXXX~~ ~~XX~~ ~~XXXXXXXX~~ ~~XXXXXXXX~~
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~~XXXXXX~~ ~~XXXXXX~~

III. INVESTIGATORS: CAPT JAMES Q. SMITH AO 123456
S/SOT JOE B. JONES AF 12345678

JAMES Q. SMITH
Captain, USAF
Officer in Charge

APPROVED: (1)

JOHN M. WHITE, JR.
Colonel, USAF
Commander

3. (See individual Parts) (8)

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency) Flight 1-A, 1602d AISS	REPORT NO. 1A-UFOB-2-55 (2) 1602-UFOB-30-55 (1)	Part One (9) PAGE 2 OF 6 PAGES
---	--	-----------------------------------

I. SOURCE: Andrew B. Carver

Address: XXX XXXX XXXXX XXXXX XXXXX XXXX

Age: XX

Occupation: XXXXXXXXXXXXXXXX

Education: XXXXX XXXXXXXX XX XXXXXXXXXXXX

Qualifications: GOC Observer for three years XXXX XXXXXXXX XXXXX
XXXXX XXXXX

II. RELIABILITY: XXXXXXXX XXXXXXXX XXXXXXXXXXXX XXXX XX XXX XXXXXXXX XXXXXXXX
XXXXX XX XXXXXXXX XXXX XXXXX XXXXXXXX XXXX

III. SOURCE'S DESCRIPTION OF SIGHTING: XXXXX XXXXXXXX XXX XX XXXXX XXXXXXXX XXXXX
XXXXX XXXXXXXX XXXXXXXX XXXXX XXXX XXXX XXX XX XXXXX XXXXX XXXXXXXXXXXXXXXX XX XXXXXXXX
XX XXXXX XXXX XXXXX XXXX XX XXXXXXXXXXX XXXXX XXXXX

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- 2 Incls: (8)
1. Photograph print
 2. Newspaper clipping

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency) Flight 1-A, 1602d AISS	REPORT NO. 1A-UFOB-2-55 (2) 1602-UFOB-30-55 (1)	Part Three (9) PAGE 4 OF 6 PAGES
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SUPPLEMENTARY INVESTIGATIVE EFFORTS: (10)

1. A check with the Hamilton Flight Service Center was made by Det. 1, 1602d AISS, for aircraft in the area at the time of sighting. Negative results.

2. The Stella Planetarium was contacted XXXXX XXXXX XXXXX XXX XXXXXXXX XXXXX XXXXX XXXXXXXX XXX XXXXX. Dr. Howard E. Jones, Resident Astronomer, has the following comments:

"XXXXX XXX XXXXX XXXX XXXXX XX XXXXX XXXXX XXXXXXXX XX XXXXXXXX XXXXXXXX XXXXX XX XXXX XXXX XXXXX XXX XXXXX XX XXXXX XXXXXXXX XXXXX XXXXXXXX"

3. The information received from the Westfield Weather Bureau indicated that:

a. XXXXX XXXXX XXXX XX XXXXX XXXXXXX XXXXX XXXXXXX XXXXX XXX XXXX XX XXXXX XXXXX XXXXXXX XXXXX XXXXX XXXXXXX XXXXXXX XXXXXXX XXXXX XXX XXXXX XXXXX

b. XXXXX XXXXX XXXX XXXX XXXXX XXXXXXX XXXX XX XXXXX XXXX XXXXXXX XXXX XXXX XXXXXXX XXXXXXX

4. The 1234th ACW Det indicated that XXXXX XXXXXXX XXXXX XX XXXXXXX XXXXX XXXXX XXXXXXX XXXXX XXXX XXX XXX XX XXXXXXX XXXXXXXXXX XXXXXXXX

1 Inclosure: (8)

Sketch of Course of Planet Venus, by Dr. Howard E. Jones

UNCLASSIFIED
(CLASSIFICATION)

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)	REPORT NO.	Part Three	OF	PAGES
Flight 1-A, h602d AISS	1A-UFOI-2-55 (2)	5 (3)	6	
	h602-UFOI-30-55 (1)			

Inclosure 1 to Part Three: (3)

Sketch of Course of Planet Venus, drawn by Dr. Howard E. Jones
Resident Astronomer
Stella Planetarium

(sketch)

UNCLASSIFIED
(CLASSIFICATION)

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency) Flight 1-A, 14602d AISS	REPORT NO. 1A-UFOB-2-55 (2) 14602-UFOB-30-55 (1)	Part Four (9) PAGE 6 OF 6 PAGES
--	--	------------------------------------

COMMENTS of Preparing Officer: (11)

1. In the opinion of the Preparing Officer, this sighting was probably caused by the planet Venus, for the following reasons:

a. The planet Venus xxxxxxxx xxxxx xxxxx xxxxxx xx xxxxx xxxxx xxxxxx xxxxxxxx
xxxxxx xxxxxxxx xxxxxxx

b. Although the balloon hypothesis also fits the circumstances of this case, I do not think this particular sighting was caused by a balloon because xxxxx
xxxxxxxx xxxxxxxx xxxxxxx xxxxxx xx xxx xxx xxxxxxx xxxxx xxxxx xxxxxxx xxxxxxxx xx xxx
xxxxxx

c. Although Source Andrew B. Carver was quite emphatic in his opinion that the sighting was caused by a new type of experimental aircraft, I do not believe this could have been possible in this particular case. Mr. Carver seems to have been mistaken about the "speed" because of the data obtained from xxxxxx
xxxxxxxx xxx xxxxxxxx. xxxxxx xxx xxxxxxxxxx xxxxxxxx xx xxxxx xx xxxxxxxx
xxxxxx

JAMES Q. SMITH (12)
Captain, USAF
Officer in Charge

COMMENTS of Approving Officer: (1)

Concur in conclusion of Preparing Officer that this sighting was probably caused by the planet Venus.

Notes on Special Preparation of AF Form 112 for UFOB Reports

- ① All material shown as enclosed within solid lines will be added at Hq 4602d and should not be included by the preparing unit.
- ② Preparing units should place their UFOB report designation in the upper half of the box, in order to allow space for a Hq log number.
- ③ For purposes of UFOB reporting, the "Area Reported On" will be taken to be the location (city and state) of the sighting.
- ④ "Date of Information" will be the date of the initial sighting of the UFOB by the source treated in Part One.
- ⑤ The name of the source treated in Part One will be listed.
- ⑥ "References" will include the preliminary report citation, any Hq messages assigning the sighting for investigation, and any applicable previous reports.
- ⑦ "Contents" will include the various "Parts" of the Report, in the order in which they are contained in AF Form 112-Part II. The first two or three "Parts" will be assigned to the sources who actually witnessed the sighting and will contain the name, address, occupation and other pertinent data about the source. Following the "Parts" assigned to the sources will be shown the "Parts" assigned for the Supplementary Investigative Efforts and the Comments of the Preparing Officer.
- ⑧ The enclosures are listed with the "Parts" to which they belong. If an inclosure is made on a form 112-Part II, it takes a page number like any other page of the Report; if it cannot be placed on a form 112-Part II, it does not carry a page number of the Report.
- ⑨ The "Part" number will be carried in the box for page numbering, just above the page numbers.
- ⑩ The "Supplementary Investigative Efforts" section will include a factual account of the results of your contacts with all persons and agencies other than the sources who actually witnessed the sighting. In this section will also be included any opinions about the sighting entertained by any of these other persons or agencies.
- ⑪ The "Comments of the Preparing Officer" section will be reserved for the conclusions of the Investigator, based upon the evidence uncovered during the entire investigation, and will show particularly the reasoning behind any agreement or disagreement with the opinions of other persons consulted.

Notes on Special Preparation of AF Form 112 for UFOB Reports (continued)

- ⑫ The signature element of the Preparing Officer comes at the end of the "Comments of the Preparing Officer" section. If this signature element comes close to the bottom of the page, such that there is no room for the "Comments of the Approving Officer" to be added, a blank page, carrying the next page number, will be added to the Report at this point.

Possible Sources of Information in Conducting a UFOB Investigation

1. Flight Service Centers (Military)
2. Air Traffic Control Centers (Civil)
3. Military and Civilian Weather Offices
4. Aircraft Control & Warning Units
5. Operations Offices of Commercial and Military Airfields
6. Ground Observation Posts and Filter Centers
7. Pilots and crews of Aircraft in the Vicinity of the Sighting
8. Agencies or persons having knowledge of experimental aircraft or other airborne devices operating in the vicinity
9. Planetariums and Observatories
10. Universities and Research Centers
11. All others who might have seen, or might have knowledge about, the phenomenon
12. U S Air Force and U S Navy Radio Facility Charts
(For information as to locations of airport facilities)
13. Airman's Guide of the U S Department of Commerce, Civil Aeronautics Administration (for information as to locations of airport facilities)

PART II

IDENTIFICATION CRITERIA

GENERAL

When an UFO report meets, in large measure, the criteria projected in Part I and a follow-up investigation is instituted, then the interrogator should ask what physical object or objects might have served as the original stimulus for the report. The word "object" here includes optical phenomena such as reflections from clouds, sundogs, etc.

Frequently one or perhaps two solutions will be immediately suggested by the nature of the report. The word "solution" cannot be used here in the scientific sense. A solution in UFOB work means that a hypothesis has been arrived at which appears to have the greatest probability of having given rise to the given report.

Following is a group of hypotheses or examples which should prove helpful in arriving at solutions. A check should be made to see how many of the items are satisfied by the report and how many are missing. An effort should be made to obtain any missing items as soon as possible.

Each typical hypothesis is listed on a separate page.

AIRCRAFT

1. Shape: From conventional to circular or elliptical.
2. Size: Pinpoint to actual.
3. Color: Silver to bright yellow (night - black or color of lights).
4. Speed: Generally only angular speeds can be observed. This depends on distance but small objects crossing major portion of sky in less than a minute can be ruled out. Aircraft will not cross major portion of sky in less than a minute whereas a meteor certainly will.
5. Formation: Two to twenty. Numbers greater than 20 more likely birds than aircraft.
6. Trails: May or may not have (vapor and exhaust).
7. Sound: Zero to loud shrill or low depending on altitude.
8. Course: Steady, straight or gently curving (not erratic - may appear still if approaching head-on). Right angle turns and sudden reversals, changes in altitude ruled out. Note: Although report may indicate erratic course, if other items check, follow-up should proceed on basis of aircraft because of psychological tendencies of excited people to exaggerate course changes.
9. Time In Sight: More than 15 seconds, generally of the order of a minute or two.
10. Lighting Conditions: Night or Day.
11. Radar: Should show normal aircraft returns.

BALLOONS

1. Shape: Round to cigar or pinpoint.
2. Size: Balloons up to a hundred feet will generally appear from pinpoint to size of a pea held at armlength.
3. Color: Silver, white or many tints. It may possibly appear dark as when projected against the clouds.
4. Speed: Large scale erratic speed ruled out. In general hovering to slow apparent speed.
5. Formation: Single to cluster.
6. Trail: None.
7. Sound: None.
8. Course: Straight with a general gradual ascent, unless falling.
9. Time In Sight: Generally long. Note: Balloon may suddenly burst and disappear.
10. Lighting Conditions: Night or day but especially at sunset.
11. Radar: No return except when carrying sonde equipment.

METEOR

1. Shape: Round to elongated.
2. Size: Pinpoint to size of moon.
3. Color: Flaming yellow with red, green or blue possible.
4. Speed: Crosses large portion of sky in few seconds except if coming head-on.
5. Formation: Generally single - can break into shower at end of trajectory. Occasionally (but rare) small groups.
6. Trail: At night almost always a luminous train which can persist as long as a half hour (rarely). Daytime meteors are much less frequently observed. In daytime, leaves a whitish to dark smoke trail.
7. Sound: None, although occasionally reported (believed psychological).
8. Course: Generally streaking downward, but not necessarily sharply downward. Can on rare occasion give impression of slight rise.
9. Time In Sight: Longest reported about 30 seconds, generally less than 10.
10. Lighting Conditions: Day or Night. Mostly night.
11. Radar: Return from meteor itself is highly improbable, however, the train left by a meteor, is a good radar reflector.
12. Other: An exceptionally bright meteor is called a fireball. These are rare but extremely spectacular and on occasion have been known to light surroundings to the brightness of daylight.

STARS OR PLANETS

GENERAL

The planets, Venus, Mars, Jupiter, and Saturn are generally brighter than any star, but they twinkle very much less (unless very close to horizon). Stars twinkle a great deal and when near the horizon can give impression of flashing light in many colors.

1. Shape: Pinpoint - starlike.
2. Size: Never appreciable.
3. Color: Yellow with rainbow variations.
4. Speed: Stars apparent speeds carry them from east to west in the course of the night but they are often reported as erratic. The effect is psychological, most people being unable to consider a point as being stationary. Occasionally turbulence in the upper atmosphere can cause a star to appear to jump (rare) but somehow twinkling gives the impression of movement to many people. Note: Just because the report says the light moves does not rule out the possibility of it being a star unless motion is from one part of sky to another in relatively short time.
5. Formation: There are no clusters of very bright stars but faint stars are grouped in their familiar constellations.
Note: A report of 4 or 5 bright clustering lights would rule out stars.
6. Trail: None.

7. Sound: None.
8. Course: Always describe 24 hour circle around pole of sky from east to west.
9. Time In Sight: When clear, stars are always visible. Most stars rise or set during the course of the night. Stars low in western sky set within an hour or two. Stars in east, always go higher in sky.
10. Lighting Condition: Night - Twilight.
11. Radar: None.

OPTICAL PHENOMENA

GENERAL

This can cover a multitude of things. Original scanning of the report should be made to attempt to determine whether it more likely describes a material object or an optical phenomenon.

Optical phenomena which have been reported as UFOBs run from reflections on clouds and layers of ice crystals (sundogs) to the many types of mirages. No one set of optical phenomena can be set down as representation for the whole class.

There is no limit to the speed of optical phenomena. Reflections can travel from incredible speed, as in the case of a search-beacon on high clouds, to stationary.

These cases if well reported will almost always warrant follow-up. Their variety and connection with upper atmospheric conditions make these observations especially valuable scientifically.

1. Shape: Generally round but can be elliptical or linear.
2. Size: Starlike to large luminous glow.
3. Color: Generally yellow.
4. Speed: Stationary to fantastic.
5. Formation: Any.
6. Trail: None.
7. Sound: None.
8. Course: Any.
9. Time In Sight: Any.

10. Lighting Conditions: Day and night.
11. Radar: No return. In special cases radar response will occasionally have to do with unusual clouds, and meteorological phenomena such as described in Minnaert's book "Light and Color in the Open Air."
12. Other: One of the standard types is the "sundog." In this a large luminous halo is seen around the sun with one to four images of the sun placed along the halo circle at intervals of 90 degrees. Another report often has to do with a bright planet or even the moon shining through a light overcast. Mirages reflections are said to occur frequently when temperature inversions exists in the atmosphere. If an optical phenomena is suspected, routine check of the meteorological records should be made to establish whether such inversions existed.

AIR TECHNICAL INTELLIGENCE CENTER
WRIGHT-PATTERSON AIR FORCE BASE
OHIO

15 FEB 1955

ATIAE5

SUBJECT: (Uncl) Evaluation of Unidentified Flying Objects

TO: Commander
4602d AISS (ADC)
ATTN: Major Cymbulski
Ent Air Force Base
Colorado Springs, Colorado

1. In addition to the policies and procedures already established between the 4602d AISS and the Air Technical Intelligence Center applicable to the Unidentified Flying Object Program, it is felt that the following information will prove useful, particularly in the evaluation of UFOB cases.
2. In keeping with the purpose of the UFOB program it is necessary that both the 4602d AISS and the ATIC strive to reach as many case solutions as possible, thereby reducing the percentage of unknowns to a bare minimum.
3. As pointed out in the "UFOB Guide," the word "solution" cannot always be used in the scientific sense when dealing with UFOBs. For this purpose it must more often mean that a given case meets a given hypothesis.
4. Past experience has shown that most UFOB cases, when sufficient information is contained, will fit to some extent one of the hypotheses contained in the Guide and, therefore, may be considered as solved.
5. By the very nature of UFOB reports, the great majority of cases, upon being analyzed, will present some doubt as to the true identity of the object or phenomenon described. For this reason evaluation criteria have been kept very broad. This has been done in one respect by giving the choice of the use of the words definite, probable or possible before each of the classification types.
6. The fact that a UFOB sighting reaches ATIC from the 4602d AISS classified as a solved case, which is to be desired, does not preclude the possibility of further investigation or change in the light of any new information which may arise at either point.

FOR THE COMMANDER

E. J. CONNOR, JR.
Major, USAF
Adjutant

PART V

RELEASE OF FACTS

AFR 200-2 is quite explicit about what facts may or may not be released to the public about UFOB's by the agencies concerned with them. These categories are set forth below:

1. Releaseable

a. Summaries of evaluated data informing the public on the subject of UFOB's will be released by Headquarters USAF only.

b. 4602d AISS personnel may inform news media representatives on UFOB'S, in response to local inquiries, when the object is positively identified as a familiar object. When the object is not explainable, only the fact that ATIC will analyze the data is worthy of release.

2. Non-releaseable

a. The following data should not be revealed:

- (1) names of principals
- (2) intercept and investigation procedures
- (3) classified radar data

At the same time, we must remember that it is misinformation in the minds of the public on the subject of UFOB's that the Air Force is trying to prevent. If a member of the public wants to release information about a UFOB which he has seen or reported, there is nothing that can be done about it. Every effort will be made, on our part, to dissociate the opinions and statements of the public from the official releases made by members of the Air Force, in accordance with the criteria set forth above.

PART VI

COORDINATION WITH AIR TECHNICAL INTELLIGENCE CENTER

The working relationship set up between ATIC and the 4602d ATIS for the handling and processing of UFOB reports is set forth in the letter from Headquarters 4602d to ATIC, dated 23 November 1954, subject: "Report of Visit of ATIC Representatives," and 1st Indorsement thereto from ATIC. That letter is attached hereto.

This page will be removed and replaced with "HOW TO MAKE FYOBRPTS" published by ATIC, dated 25 July 1953.

Cross reference to the new location of this directive will be made in the Regulations File.

HEADQUARTERS
4602d AIR INTELLIGENCE SERVICE SQUADRON (ADC)
9TH AIR FORCE BASE
COLORADO SPRINGS, COLORADO

AI SOP

23 November 1954

SUBJECT: Report of Visit of ATIC Representatives

TO: Commander
Air Technical Intelligence Center
ATTN: ATIAE-5
Wright-Patterson Air Force Base
Dayton, Ohio

1. On 17 and 18 November 1954, the Commander, 4602d AISS and his staff met with Captain Charles Hardin, ATIC, and Doctor Allen Hynek, USAF Contract Astronomer, for the purpose of discussing ATIC-4602d AISS relationships in the investigation and processing of Unidentified Flying Objects reports. During the course of the conference general information was exchanged relative to the UFOB program, procedures were developed relative to the handling of UFOB reports and the criteria for evaluation of reports and conducting investigations were discussed.

2. The evaluation of all UFOB reports as well as the lines of inquiry of investigations, will be governed by the application of certain hypotheses to the data available. In the majority of cases, provided the information concerning the sightings is sufficiently complete, the data will suggest that the sighting was probably some known object or natural phenomena. For example, the data available might suggest to the investigator the hypothesis that the sighting was an aircraft. A check list will then be applied to the data using the hypothesis that the sighting was an aircraft. The check list will contain those items which, in combination, characterize aircraft from other possible objects or phenomena. For example, if the object was an aircraft, then there should have been noise, there should have been radar observation in certain areas, etc. The application of these check lists will suggest the lines of follow-up investigation in the event the data is insufficient to satisfy the elements of proof necessary to identification. ATIC will furnish the 4602d AISS with the check lists referred to above which will assist in the identification of UFOB's, and will cover, for example, aircraft, balloons, astronomical phenomena, guided missiles, etc. In addition a special evaluation of preliminary UFOB reports must be made to determine whether follow-up investigations can reasonably be expected to result in additional reliable and usable data.

3. Evaluation of Preliminary Reports:

a. ATIC will furnish the 4602d AISS with "rule of thumb" criteria to be used by the Squadron Headquarters in determining the necessity for

Hq, 4602d AISS, Ent AFB, Colorado Springs, Colo. subj: Report of Visit
of ATIC Representatives

a follow-up, field investigation of a UFOB report. These criteria will cover, among others, the following subjects:

- (1) Duration of sighting.
- (2) Number of persons reporting the sighting.
- (3) Distance from location of sighting to nearest 4602d AISS field unit.
- (4) Reliability of person or persons reporting the sighting.
- (5) Number of independent sightings reported.
- (6) The value of obtaining additional information immediately.
- (7) Existence of physical evidence (photographs, material, hardware).

b. It was noted that a single extraordinary circumstance might require follow-up, field investigation even though the general application of the criteria furnished by ATIC indicates that further investigation would probably yield little additional information.

c. In general follow-up field investigation of a preliminary UFOB report will not be warranted when the hypothesis suggested by the preliminary report of the incident cannot be tested by facilities available.

4. Exhaustion of Effort in the Investigation of UFOB's: Effort will be considered as exhaustive when every logical, physical hypothesis suggested by a qualified report of the incident has been tested by the facilities available.

a. Qualified preliminary reports shall be considered to be those which merit further investigation under the criteria set forth in paragraph 3 above.

5. Unsolved Cases: A case shall be considered unsolved after every suggested hypothesis has been tested by available facilities and a large percentage of the data in the report does not correlate with the characteristics of known objects or natural phenomena.

Hq, 4602d AISS, Ent AFB, Colorado Springs, Colo. subj: Report of Visit of ATIC Representative

6. The following procedures were agreed upon:

a. In case a UFOB sighting is reported initially by non-Air Force sources in letter form to either ATIC or the 4602d AISS, the file card will be made in duplicate by the recipient, and one copy forwarded to the other agency. This card will indicate that the UFOB was reported by letter and will show the action taken.

b. ATIC will be forwarded a file card indicating the action taken by the 4602d AISS on preliminary reports transmitted to the 4602d by electrical means.

c. The results of follow-up field investigations made by the 4602d AISS and reported on AF Form 112 will, in all cases, be sent to ATIC, D/I USAF, and such other agencies as the Commander, 4602d AISS, deems necessary.

d. ATIC may require specific information for aid in analyzing a reported UFOB sighting which can be furnished by a field unit of the 4602d AISS. Provided travel is not involved, ATIC may contact the appropriate unit directly. In case ATIC desires detailed investigation or action which would necessitate travel, request will be made by ATIC to the Commander, 4602d AISS.

e. File cards reflecting action taken or conclusions reached by ATIC on either a preliminary or follow-up UFOB report will be sent to Commander 4602d AISS under the following circumstances:

- (1) When conclusions of ATIC relative to identification of the sighting are at variance with those reached by 4602d AISS.
- (2) When additional action is initiated by ATIC following the completion of action by the 4602d AISS.

7. Exchange of information: As a result of the ATIC experience in the field of investigation of UFOB reports, information of a general interest was discussed during the visit of ATIC representatives and will be furnished to the 4602d AISS on a continuing basis. Examples of such information follow:

a. Grid cameras. Information relative to the present distribution of grid cameras and changes in the current distribution.

b. Statistics. Consolidation of statistics reflecting trends,

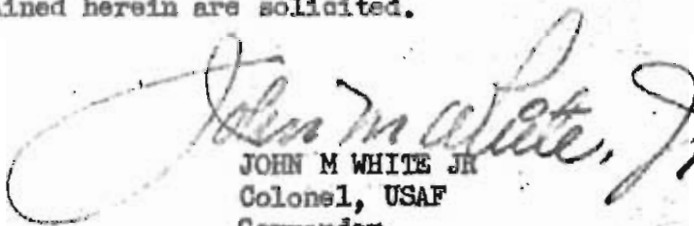
Hq, 4602d AISS, Ent AFB, Colorado Springs, Colo. subj: Report of Visit of ATIG Representative

total reports and studies conducted by contract agencies.

c. Examples of proper and improper UFOB reporting.

d. List of standard replies to letters requesting action or information concerning reported sightings.

8. It is requested that the guides for evaluation of reports referred to in paragraphs 2 and 3 above be furnished at the earliest practicable date. Concurrence or comments relative to the procedures and agreements contained herein are solicited.


JOHN M WHITE JR
Colonel, USAF
Commander

ATIAE-5

1st Ind

AIR TECHNICAL INTELLIGENCE CENTER, Wright-Patterson Air Force Base, Ohio
1 DEC 1954


TO: Commander, 4602d AISS (ADC) Ent Air Force Base, Colorado Springs,
Colorado

1. The Air Technical Intelligence Center concurs in the agreements and procedures as outlined in basic letter.

2. A "Standard Operating Procedure" is being prepared for use in the unidentified flying object program. This will be furnished to Hq 4602nd AISS as a suggested guide.

3. The SOP will include the procedures listed in basic letter together with guides for evaluation of reports and criteria for determining the necessity for field investigations.

FOR THE COMMANDER


R. C. SCHUM
CWO, USAF
Asst. Adj.

PART VII

ADMINISTRATIVE MATTERS

1. Funding of Costs

The Funding of Costs and the issuance of orders incident to the travel of 4602d personnel in connection with the investigation of UFOB's will be the responsibility of Headquarters, 4602d AISS. Field Units will obtain approval from Headquarters, 4602d AISS, prior to conducting investigations involving travel, unless circumstances will not permit the delay necessary to obtain such approval. The modes of transportation authorized, in the order of their priority, in the event investigations must be conducted without prior approval of Headquarters, are:

- a. Military Vehicle
- b. Military Aircraft
- c. Commercial Surface Carrier
- d. Private Automobile

Requests for travel will be processed in accordance with Squadron Regulation 11-6.

2. Classification of Reports

Reports will be unclassified unless inclusion of data required by paragraph 7d, AFR 200-2, dated 12 August 1954, necessitates a higher classification.

3. Filing of Reports

Field Units will file all UFOB reports or information pertaining thereto chronologically regardless of whether the reports are preliminary or follow-up.

4. Reports Control Symbol

Reports prescribed herein are exempt from requirements of a Reports Control Symbol, in accordance with paragraph 7b(3), AFR 174-1.

PART VIII

REFERENCE MATERIAL

In this section of the Guide will be contained those items of supplementary reference not elsewhere already included. These are:

1. Errors Frequently Committed in the Conduct of the UFOB Program (attached)
2. Locations of Flight Service Centers (attached)
3. Locations of Weather Stations (attached)
4. ATIC, How to Make Flyobrpts (attached)

ERRORS FREQUENTLY COMMITTED
IN THE CONDUCT OF THE UFOB PROGRAM

It has been found, during the introductory period of the last six months, that certain errors in the conduct of the UFOB program tend to be frequently repeated. Most of the errors are not too serious; they point, rather, simply to a lack of indoctrination on the part of the personnel committing them.

For the personnel of the 4602d, the list of common errors set forth below can serve as a check list against which to measure the results of their investigative efforts. Beyond that, however, it is hoped that the inclusion also of the errors commonly made by personnel outside the 4602d will serve as a focal point for the efforts of our people to indoctrinate other Air Force personnel in the procedures applicable to the conduct of the UFOB program.

1. Errors of Non-Air Force and Non-ADC Units

- a. Failure to conduct preliminary investigation
- b. Failure to submit preliminary report
- c. Submission of incomplete preliminary report
- d. Delay in submission of preliminary report
- e. Improper release of information to the public

2. Errors of ADC Units

a. Preliminary stage

- (1) Failure to conduct preliminary investigation
- (2) Sending of raw information to 4602d unit, without preparing preliminary report
- (3) Submission of incomplete preliminary report
- (4) Delay in submission of preliminary report
- (5) Failure to submit preliminary report because the object is identified prior to time of submission of the report
- (6) Failure to include the nearest Air Division to the sighting as a recipient of the preliminary report
- (7) Failure to forward preliminary report to nearest 4602d unit

Errors of ADC units (continued)

b. Follow-up stage

- (1) Failure to logistically support 4602d units in the conduct of follow-up investigations
- (2) Failure to recognize the importance of speed in the logistical support of 4602d units
- (3) Improper release of information to the public

3. Errors of 4602d Units

a. Preliminary stage

- (1) Evaluating raw data for the purpose of determining whether or not a preliminary report should be filed
- (2) Submission of incomplete preliminary report
- (3) Failure to send preliminary reports received from other sources to Headquarters 4602d AISS
- (4) Failure to make arrangements with D/I for getting copies of electrical preliminary reports
- (5) Acceptance of D/I evaluation of preliminary report as a criterion for whether or not to conduct a follow-up investigation

b. Follow-up stage

- (1) Following up of UFOB report, at request of D/I, with no attempt to keep Hq informed
- (2) Failure to recognize the importance of speed in conducting a follow-up investigation
- (3) Failure to make judicious use of telephone and mail
- (4) Improper release of information to public
- (5) Non-collection of physical evidence
- (6) Non-forwarding of physical evidence to ATIC with sufficient speed
- (7) Failure to include a cover letter with physical evidence forwarded to ATIC
- (8) Failure to conduct an exhaustive effort:
 - (a) Failure to follow up all possible leads
 - (b) Failure to follow up the suggested leads of paragraph 5, AFR 200-2
 - (c) Cursory treatment of such leads as were followed up
 - (d) Repeating of information already contained in preliminary report, with nothing added
 - (e) Acceptance of results of someone else's partial investigation as necessarily valid, with no further investigation
 - (f) Leaving of questions obviously unanswered
 - (g) Acceptance of hearsay evidence, with no effort to get at original source

Errors of 4602d Units (continued)

c. Final Reporting Stage (AF Form 112)

- (1) Inclusion of U S Air Force Technical Information Sheet, Form 5, verbatim in the Form 112, with no attempt at summarization or analysis
- (2) Omission of part of data collected
- (3) Failure to show how the conclusions of the Preparing Officer are arrived at
- (4) Failure to prepare follow-up action on Form 112
- (5) Unnecessary classification of reports
- (6) Signature block of Preparing Officer omitted from first and last pages of report
- (7) Failure of Preparing Officer to sign either first page or last page of report
- (8) Improper filling in of Date-of-Information block on first page of report
- (9) Failure to leave Distribution block blank
- (10) Failure to properly list the Inclosures
- (11) Failure to place a classification, including "Unclassified", on the top and bottom of every page
- (12) Failure to carbon-back Forms 112
- (13) Failure to leave Evaluation block on first page of report blank
- (14) Failure to properly number report
- (15) Failure to check report for spelling and grammar
- (16) Improper page-numbering of Form 112 sheets and inclosures
- (17) Failure of the Preparing Officer to come to some conclusion about the evidence in the case
- (18) Failure to include a blank numbered page for "Comments of Approving Officer", when "Comments of Preparing Officer" takes up the entire page

FLIGHT SERVICE CENTERS

Flight Service Area:

OLMSTEAD FLIGHT SERVICE CENTER
Middletown, Dauphin Co., Pa.

MAXWELL FLIGHT SERVICE CENTER
Montgomery, Alabama

WRIGHT-PATTERSON FLIGHT SERVICE CENTER
Dayton, Ohio

CARSWELL FLIGHT SERVICE CENTER
Fort Worth, Texas

LOWRY FLIGHT SERVICE CENTER
Denver, Colorado

MARCH FLIGHT SERVICE CENTER
Riverside, California

HAMILTON FLIGHT SERVICE CENTER
Hamilton AFB, California

Telephone No.:

Middletown 4681
Middletown 4682

Montgomery ID 88

Fairborn 88691
Fairborn 88692

Pershing 7251
Pershing 7252

Dexter 3-5146

Overland 40452

Glenwood 42461
(San Rafael, Calif.)

(The list of Weather Station locations was so voluminous that we did not want to hold up the distribution of the Guide in order to wait for its completion. This list will be sent to you at a later date for insertion in the Guide.)

This page will be removed and replaced
with "U.S. Air Force Technical Infor-
mation Sheet", ATIC Form A and Form B.

Background for Proposed Participation of ADC in Evaluating Reports of Unidentified Flying Objects - (UFOB)

1. Air Force concern for UFOB is two-fold: first, as regards a possible air threat to the security of the United States; and second, as regards the technical requirement for being able to explain all aerial phenomena, whether or not they represent a threat to United States security.
2. Under the provisions of AFR 200-2, ATIC is presently assigned responsibility for analysis and evaluation of all reports of unidentified flying objects (UFOB) since ultimate explanation of UFOBs will depend on technical and scientific analysis.
3. The ADC mission establishes a direct interest in both aspects of Air Force concern for UFOBs and Comdr ADC is a required addressee on all UFOB reports transmitted by electrical means.
4. Experience has shown that only a relatively small percentage of reports received warrant technical and scientific evaluation.
5. The greater bulk of preliminary reports can be disregarded for various reasons, such as unreliability of observers, insufficient detail of observations, satisfactory explanation through correlation with known activities or phenomena.
6. ATIC, however, lacks the means for effecting preliminary screening of UFOB reports. ATIC has no field organization for on the spot investigation and must rely on other agencies for this.
7. Although ADC lacks the technical and scientific competence for the final evaluation of UFOBs, it does provide a nation-wide organization peculiarly adaptable to preliminary evaluation of UFOB reports. It possesses a comprehensive radar system, the machinery for rapid correlation of airborne objects with known aircraft flights, and a mobile intelligence collecting organization (4602d AISS).
8. Many UFOB reports are in fact originated by the air defense system and ATIC is now utilizing on a limited scale the field units of 4602d AISS for follow-up field investigations of UFOB reports.
9. On the occasion of a visit to Hq ADC in October 1953, Gen Garland, Chief, ATIC, proposed that ADC assume a more active role in evaluation of UFOB reports.
10. DCS/I, ADC, accepted this proposal in principle, subject to amendment of AFR 200-2 and the detailed procedures required by that regulation and subject to an appropriate allocation of required resources - primarily personnel and money.

Background (Contd)

11. At the time of a D/I USAF Staff Team Visit to ADC in November 1953, Col Ray W. McDuffee, Asst Chief, Technical Analysis Division, ATIC, reiterated Gen Garland's proposal and after discussion, the following was agreed.

- a. There should be a transfer of part of the UFOB examination function from ATIC to ADC.
- b. ADC's examination function would be assigned to the 4602d AISS.
- c. The squadron would send an officer to ATIC to study files and procedures.
- d. He would carry certain guidance directives from DCS/I, ADC, as a basis for reaching agreement as to the necessary transfer of funds and personnel that would be involved.
- e. He would select the files that would be required to carry on this function.
- f. He would represent ADC in preparation of an ADC-ATIC agreed revision of AFR 200-2.

THIS IS A TRUE COPY:

William C. Van Norman
WILLIAM C VAN NORMAN
Major, USAF
Adjutant

SUBJECT:
ADC Participation in Evaluating UFOB's

FROM:
DCS/I

TO:
Comdr, 4602d AISS
D/R&E

DATE:
4 December 1953
COMMENT NO.
#1

1. This R&R establishes the scope of ADC participation in the evaluation of unidentified flying objects and provides guidance for discussions on resource requirements and for procedural changes. Background is provided in the inclosure.

2. The proposed realignment of functions relating to UFOBs is to relieve ATIC of the burden for preliminary screening out of the great bulk of reports which are either too fragmentary to be evaluated or are explainable by known activities or phenomena. ATIC will necessarily continue to be concerned with the technical and scientific analysis of those reports which defy explanation by known facts. Thus, the ADC function is primarily one of preliminary screening. This will involve:

- a. The receipt by ADC of all UFOB reports and the provision to ATIC of screened reports only.
- b. The establishment of systematic procedures within ADC for correlating known flights in the area of the sighting, radar observations, and astronomical observations.
- c. A procedure for field follow-up on reports requiring clarification or expansion.
- d. Authority for direct communication between the 4602d AISS and ATIC on UFOB matters.
- e. The maintenance of files, cross-references, and graphical summaries by the 4602d AISS.
- f. Procedures for receiving the results of ATIC analysis and evaluation of reports forwarded to them.
- g. Procedures for providing continuing technical and scientific guidance to the ADC screening activity.

3. ADC's participation in the UFOB program over the past two years has varied somewhat. For example, in mid-1952 an effort was made to keep current with all reports and to maintain records on the ATIC evaluation as well as to undertake a preliminary ADC evaluation. This effort was time-consuming and tended to be superficial in its significance. The function was performed in the Air Technical Capabilities Division (now Technical Analysis Division) of D/R&E.

4. The proposed active participation of ADC in the evaluation process might suggest a resumption of the D/R&E function. However, it is reiterated

ADC Participation in Evaluating UFOB's (Contd)

that the ADC role in the presently proposed program is that of screening out of explainable reports; ATIC will still have the function of analyzing and evaluating those reports which cannot be explained through preliminary field evaluation. Accordingly, there is no presently foreseen requirement for D/R&E participation in the evaluation and screening process except as this process may involve occasional recourse by the 4602d AISS to D/R&E for technical advice in specific instances. However, there is a requirement for detailed staff assistance by D/R&E in establishing the proposed function in the 4602d AISS.

5. Although the proposed ADC role in the UFOB evaluation problem will be focused in the 4602d AISS, that unit (a subordinate element of the Air Defense Command) will require Hq ADC directives to insure the cooperation of the various ADC agencies that will be involved. These should be drafted by the 4602d AISS with careful attention to present ADC procedures and requirements of the primary ADC mission. They will require full ADC coordination and review before promulgation. D/R&E will provide DCS/I monitoring of this similar policy matters.

6. In developing a final and specific agreement for ADC assumption of responsibilities in the UFOB evaluation program, it will be necessary:

- a. To make a careful time-study analysis of the resultant functions and tasks;
- b. To determine what scientific assistance ATIC has been utilizing in its preliminary evaluations of its reports; and
- c. To carefully estimate added financial burdens resulting from such activities as temporary duty travel.

When personnel and financial requirements are established, the final agreement will provide for the allocation of requisite manpower authorizations and budgetary allotment to ADC. It is immaterial to ADC whether this allocation be made as a re-allocation from ATIC or as a direct allocation from Hq USAF.

7. The foregoing principles and other considerations will guide the formulation of agreements with ATIC on re-allocation of responsibilities on the UFOB program, and the drafting of requisite directives.

8. The ADC representation to ATIC will consist of a representative of D/R&E and of the 4602d AISS. The former will have primary cognizance of

ADC Participation in Evaluating UFOBs (Contd)

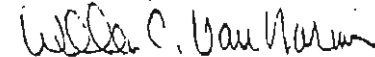
policy matters and implications to the operation of the air defense system. The representative of the 4602d AISS will have primary cognizance of implications to squadron operation, manpower and monetary requirements.

9. A staff conference will be arranged with ATIC as soon as personnel involved are prepared in their respective areas of responsibility. Physical arrangements for the conference will be made by Comdr. 4602d AISS, in coordination with D/R&E.

Incl

W. M. BURGESS
Brigadier General, USAF
DCS/Intelligence

THIS IS A TRUE COPY:


WILLIAM C VAN NORMAN
Major USAF
Adjutant

HEADQUARTERS
4602D AIR INTELLIGENCE SERVICE SQUADRON
Ent Air Force Base
Colorado Springs, Colorado

23 December 1953

SUBJECT: ADC Participation in Evaluating UFOB's

TO: OIG's
All Flights and Detachments

1. The enclosed R & R from Brigadier General W M Burgess and the background information on proposed participation of 4602d AISS and Field Units should be thoroughly read and understood.
2. This information is forwarded to Detachments and Flights to give an idea of their active participation in UFOB evaluation.
3. Appropriate directives to field units will be disseminated upon completion of coordination between ATIC and a representative of Hq 4602d.

1 Incl
ADC Participation in
Evaluating UFOB's

John M White Jr
JOHN M WHITE JR
Colonel, USAF
Commander

HEADQUARTERS
4602D AIR INTELLIGENCE SERVICE SQUADRON (ADC)
Ent Air Force Base
Colorado Springs, Colorado

AISOP

SUBJECT: UFOB Investigating and Reporting

TO:

Pending approval of ADC and 4602d AISS directives regarding UFOB investigation and reporting, field units will be guided strictly by AFR 200-2, TT MSG AISOP 1460, dated 30 Sep 1954, recent instructions contained in Weekly Bulletin, and this letter. Some Flight OIC's have been ill advised by Detachment OIC's regarding UFOB reporting. Detachment OIC's are directed to become familiar with reporting requirements in order to properly advise flights. Following are major points of misunderstanding:

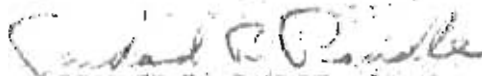
- a. All Air Force activities are responsible to submit preliminary reports covering all information and evidence relative to UFOBS that may come to their attention, including that received from adjacent commands of the other services and from civilians, and are authorized to conduct investigation necessary to preparation of the preliminary report.
- b. 4602d AISS field unit involvement in preliminary investigations is incidental and will be conducted according to local arrangements with ADC Division or Defense Force Commanders (DI's). (Reference 4602d AISS secondary mission contained in ADCR 24-4, paragraph 3b, and TT MSG AISOP 1460, dated 30 Sep 1954).
- c. AFR 200-2 requires that all information pertaining to a UFOB will be reported. This does not anticipate that evaluation of information by reporting Air Force element will result in failure to submit the preliminary report.
- d. Only if 4602d AISS field units receive initial information from an individual source or a non-Air Force organization are they responsible under AFR 200-2 to prepare preliminary report. This responsibility is the same as that assigned to all Air Force elements.
- e. 4602d AISS elements are responsible to conduct all follow-up field investigations under direction and control of Commander, 4602d AISS.

f. Preliminary reports will be submitted by reporting Air Force element, even though object is identified prior to submission of report.

g. Provisions of AFIC Manual, "How to Make FLYORRPTS" will be disregarded, if in conflict with AFR 200-2, these, or above referenced instructions. Manual will be used only as a guide for investigative procedure.

h. All UFOB reports on file at field units, dated subsequent to 13 August 1954, which have not been reported are basis for preliminary report. If information is more than 72 hours old, reports will be prepared on AF Form 112 and submitted in accordance with AFR 200-2, dated 14 August 1954. The preliminary reports will be prepared by 4602d AISS units and will not, in this case, be returned to the Air Force element from which original information was received for submission of preliminary report. In the future, 4602d AISS units will not accept information from any and all Air Force elements for preparation of preliminary report, since Air Force element receiving initial information of UFOB is responsible for preliminary report preparation.

BY ORDER OF THE COMMANDER:


RICHARD B. RANDLE
Major USAF
Asst. Adjutant

AIR TECHNICAL INTELLIGENCE CENTER
WRIGHT-PATTERSON AIR FORCE BASE
OHIO

14 JAN 1955

SUBJECT: (U) Unidentified Flying Object Guide

TO: Commander
4602d AISS (ADC)
Ent Air Force Base
Colorado Springs, Colorado


1. Attached for your convenience is the "UFOB Guide" (Unidentified Flying Object Guide) which was prepared as a result of the conference held on 17 and 18 November 1954 between the commander and staff of the 4602d AISS and personnel of ATIC.

2. The "UFOB Guide" is divided into two parts. Part I contains the criteria for use in determining the feasibility of making follow-up investigations. Part II contains hypotheses or examples for use in identifying the objects or phenomena reported.

3. It is suggested that, after a reasonable period of use, a part III be added to the "UFOB Guide" incorporating the definitions and procedures as agreed upon in the conference and as outlined in your letter subject "Report of Visit of ATIC Representatives" dated 23 November 1954. This could then be printed or mimeographed and would serve both the 4602d AISS and the ATIC as standard operating procedure.

FOR THE COMMANDER

Incl
UFOB Guide


MARY E. STORM
1st Lt, USAF
Assistant Adjutant