

REPORT OF THE PANEL ON ALIENS

The findings were impressive (no love loss of time; final...
in the bulk of sound data in the great majority...
in the bulk of expert follow-up was primarily...
the limited facilities of the FBI section...
the circumstances of significant sightings discussed in...
the following:

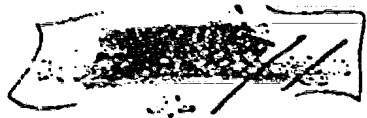
- Washington, Ohio (2 August 1952); Trenton, Utah (2 July 1952);
- Great Falls, Montana (15 August 1952); Bozav, Montana (1 September 1952);
- Washington, D. C. area (29 July 1952); and Florida A.S. (29 August 1952);
- Red Haven, Michigan (29 July 1952); and
- Beacon Falls, Maine (20 October 1952).

After review and discussion of these cases (and about 35 others in this detail), the Panel concluded that reasonable explanations could be suggested for most sightings and that other cases might be explained in a similar manner. The Panel pointed out that because of the brevity of some sightings (e.g. 2-3 seconds) and the timidity of the witnesses, expressions themselves clearly (sometimes) that comprehensive explanations would not be expected for every case reported. Furthermore, it was considered that, normally, it would be a great waste of effort to try to solve most of the sightings, unless such cases would benefit a training and educational program (see below). The writings of Charles Fort were referenced to show

... these sightings were reported (as have been others; finally
... the lack of sound data in the great majority
... the lack of any follow-up and particularly
... the limited facilities of the AFSA section concerning
... instances of significant sightings discussed in detail
... the findings

Hallowell, Ohio (2 August 1952); Fremont, Utah (2 July 1952);
Great Falls, Montana (15 August 1950); Park, Montana (1 September
1952); Washington, D. C. area (29 July 1952); and Egan A. Field,
Casper (5 August 1952); Ford River, Michigan (29 July 1952); and
Bacquet Hole, Maine (25 October 1952).

After review and discussion of these cases (and about 15 others,
in some detail), the Panel concluded that reasonable explanations
could be suggested for most sightings and that deduction and calculation
would be possible (given additional data) that other cases
might be explained in a similar manner. The Panel pointed out that
because of the brevity of some sightings (e.g., 2-3 seconds) and the
familiarity of the witnesses, they express themselves clearly (sometimes)
that conclusive explanations could not be expected for every case
reported. Furthermore, it was considered that, normally, it would
be a great waste of effort to try to solve most of the sightings,
and such action would result in a training and educational program
(see also). The writings of Charles Fort were referenced to show



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It was interesting that in at least two cases, notwithstanding that the object sighted was categorized by Robertson and others as possibly "See Lighters", to date unexplained but not dangerous, they were not happy thus to describe the sightings by calling them names. It was their feeling that these phenomena are not beyond the domain of present knowledge of physical sciences; however.

[REDACTED]

It was the Panel's opinion that some of the Air Force concern over U.S.F.O.'s (notwithstanding Air Defense Command anxiety over Soviet radio tracks) was probably caused by public pressure. The result being, is that the Air Force has instituted a fine channel for receiving reports of basely anything anyone sees in the sky and fails to understand. This has been particularly encouraged in popular articles on this and other subjects, such as space travel and science fiction. The result is the mass receipt of low-grade reports which tend to overload channels of communication with material quite irrelevant to hostile objects that might some day appear. The Panel agreed generally that this mass of poor-quality reports containing little, if any, scientific data was of no value. Quite the opposite, it was possibly dangerous in having a military service foster public concern in "nocturnal twinkling lights". The implication being, since the interested agency was military, that these objects were of might be potential direct threats to national security. Accordingly, the need for declassification made itself apparent. Comments on a possible educational program are enumerated below.



Chief, Intelligence Section

In the opinion of Mr. Robertson, that the "crucial" problem in the development of the defense in nature from the detection and identification of enemy V-1 and V-2 guided missiles prior to their operations, was in World War II. In the 1949-1954 intelligence operations (PROBATION), there was excellent intelligence and by June 1954 there was material evidence of the existence of "hostile" aircraft from crashed vehicles in Sweden. This evidence gave the investigators a basis upon which to operate. The absence of any "hostile" resulting from unexplained U.F.O. sightings leads a "wild" (the wing) nature to the MIB problem. The results of their investigation, to date, strongly indicate that no evidence of hostile aircraft danger exists. Furthermore, the current reporting system would have little value in the case of detection of enemy attack by conventional aircraft or guided missiles; under such conditions "hostile" would be available almost at once.

ANALYSIS OF INVESTIGATIONAL FINDINGS

It was interesting to note that none of the members of the RAND were loath to accept that this earth might be visited by extraterrestrial intelligent beings of some sort, some day. What they did not find was any evidence that related the objects sighted to space travelers. Mr. Pournet, in his presentation, showed how he had eliminated each of the known and probable causes of sightings leaving him "non-removable" as the only one remaining in many cases. Pournet's background as an aeronautical engineer and technical intelligence

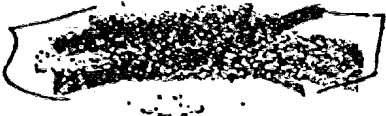




... (Project Officer, INTERCOM for 15 months) could not be
 slighted. However, the Panel could not accept any of the cases
 listed by him because they were say, unvaluated reports.
 Extraterrestrial explanations of the sightings were suggested in some
 cases and in others the time of sighting was so short as to cause
 suspicion of visual impressions. It was noted by Dr. Couderc and
 others that extraterrestrial artifacts, if they did exist, are no
 more like aliens, rather, they are in the realm of natural phenomena
 subject to scientific study, just as comets were at the time
 of their discovery 20 to 30 years ago. This was an attitude in
 which Dr. Robertson did not concur, as he felt that such artifacts
 would be of immediate and great concern not only to the U. S. but
 to all countries. (Nothing like a common threat to unite peoples?)
 Dr. Page noted that present astronomical knowledge of the solar
 system makes the existence of intelligent beings (as we know them)
 elsewhere than on the earth extremely unlikely, and the
 concentration of their attention by any controllable means confined
 to any one continent of the earth quite preposterous.

THE CASE OF THE BIRMINGHAM SIGHTING

This case was considered significant because of the excellent
 documentary evidence in the form of Kodachrome motion picture films
 (about 1000 frames). The Panel studied these films, the case history,
 AIRSAC interpretation, and received a briefing by representatives of
 the AF Photo Interpretation Laboratory on their analysis of the
 films. This team had expended (at Air Force request) approximately





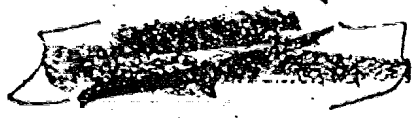
... minutes of professional and sub-professional time in the preparation of graph plots of individual frames of the film, showing apparent and relative motion of objects and variation in their light intensity. It was the opinion of the P.I.A. representatives that the objects sighted were not birds, balloons or aircraft, were "high reflections" because there was no blinding while passing through 60° of arc and were, therefore, "solid" objects. Flare of motion and variation in light intensity of the objects were displayed. While the Panel Members were impressed by the evident enthusiasm, industry and extent of effort of the P.I.A. team, they could not accept the conclusions reached. Some of the reasons for this were as follows:

- a. A semi-spherical object can readily produce a reflection of sunlight without "flaring" through 60° of arc travel.
- b. Although no data was available on the behavior of birds or polyethylene balloons in bright sunlight, the apparent motions, sizes and brightnesses of the objects were considered strongly to suggest birds, particularly after the Panel viewed a short film showing high reflectivity of coagula in bright sunlight.
- c. P.I.A. description of the objects sighted as "circular, black-white" in color would be expected in cases of specular reflections of sunlight from convex surfaces where the incidence of the reflection would obscure other portions of the object.





1. Objects in the Great Falls case were believed to have probably been aircraft, and the bright lights such reflectors.
2. There was no valid reason for the attempt to relate the objects in the Sacramento sighting to those in the Great Falls sighting. This may have been due to misunderstanding in words descriptive. The objects in the Great Falls sighting are strongly suspected of being reflectors of aircraft known to have been in the area.
3. The intensity change in the Sacramento lights was too great for acceptance of the R.I.B. hypothesis that the apparent motion and changing intensity of the lights indicated extremely high speed in small orbital paths.
4. Apparent lack of guidance of investigators by those familiar with U.F.O. reports and explanations.
5. Analysis of light intensity of objects made from duplicate rather than original film. The original film was noted to have a much lighter background (affecting relative brightness of object) and the objects appeared much less bright.
6. Method of obtaining data of light intensity appeared faulty because of unavailability of equipment and questionable assumptions in making averages of readings.
7. No data had been obtained on the sensitivity of Kodachrome film to light of various intensities using the same camera type at the same lens openings.





The "system" in question (which is the main body part of the document) was not removed from the plates of the "single page plates" at the end of the film.

Mr. French believed strongly that the data available on this subject was sufficient for positive identification of certain data as derived by photographing polyethylene "pillow" balloons released into the air under various weather conditions, checking their flight characteristics with competent ornithologists and consulting agencies. He stated that the results of such tests would provide a basis for the identification of value in an identification or tracking program. However, the French noted that the cost in technical manpower effort required to follow up and explain every one of the thousands of more reports received through channels each year (1,500 in 1954) would not be justified. It was felt that there will always be problems, for which complete data is lacking, that can only be explained with delay and the effort and with a long time delay. In all, the long delay in explaining the missing items to the intelligence value. A similar problem involving program should be as a major purpose to the intelligence as popular feeling that every thing, no matter how far the data, can be explained in detail. The effort should be directed to the requirement every scientist that the program, to be applied, must be completely and completely documented. In other words, the burden of proof is on the scientist.





THE PROBLEMS OF THE SIGHTING

The Panel Members were in agreement with O/DI opinion that, although evidence of any direct threat from these sightings was highly unlikely, related dangers might well exist consisting of:

- a. Misidentification of actual enemy activities by defense personnel.
- b. Overloading of enemy air reporting channels with "false" information ("radio & signal set" analogy - Barman).
- c. Susceptibility of pilots to mass hysteria and greater vulnerability to possible enemy psychological warfare.

Although not the concern of ODI, the first two of these problems may seriously affect the Air Defense Intelligence system, and should be studied by experts, possibly under AED. If U.F.O.'s become disclosed in connection to the "flying saucer" scare, or if reporting channels are saturated with false and poorly documented reports, our capability of detecting hostile activity will be reduced.

Dr. Vige noted that more competent screening or filtering of reported sightings at or near the source is required, and that this can best be accomplished by an educational program.

THE AIR DEFENSE SYSTEMS OF THE UNITED STATES

The map prepared by AED showing geographic locations of essentially reported unexplained sightings (1952 only) was examined by the Panel. This map showed clusters in certain strategic areas such as Los Angeles. This might be explained on the basis of 24-hour watchful guard and



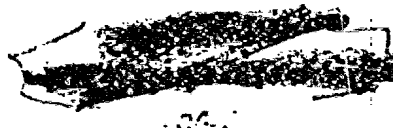


... and activity was more such as follows. On the other
 hand, there had been no sightings in the vicinity of sensitive
 related to establishments while there were considerably multiple
 cases of unexplained sightings in non-strategic areas. Furthermore,
 there appeared to be no logical relationship to population centers.
 The Panel could find no ready explanation for these clusters. It
 was noted, however, that all successful contacts were to be observed
 it would be likely that they would be seen first near foreign areas
 rather than central U. S. areas.

RECOMMENDATIONS TO CONSIDER

The Panel was of the opinion that the present ATIS program to
 place 300 inexpensive 35 mm. stereo cameras in the hands of various
 airport control tower operators would probably produce little value
 and not related to U.F.C. It. However, it was recognized that
 such action would tend to allay public concern in the subject until
 an educational program had taken effect. It was believed that pro-
 cessing of these cameras was partly the result of public pressure
 in July 1952. With the poor results of the year-long Project
 ATIS program of 24-hour instrumentation watch (two frames of
 film showing nothing distinguishable), a widespread program of city-
 watching would not be expected to yield much direct data of value.

There was considerable discussion of a possible "city patrol" by
 camera astronomers (Hynd) and by wide-angle cameras (Rago). Dr. Rago
 and Dr. Robertson pointed out that at present a considerable fraction





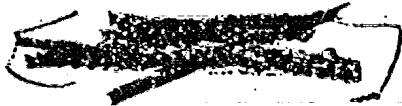
...for many years under careful supervision...
 ...observing programs...
 ...the various institutions listed below...
 ...is largely directed...
 ...unidentified objects, no case of any...
 ...known to ^{the present} Dr. Pogo or Dr. Lynch. Such...
 ...be reported if found on patrol plates.

...refused to interrupt his...
 ...in a different...
 ...This led Dr. Lynch to say that, if a program of...
 ...planned astronomical programs, little...
 ...the trained astronomical personnel...
 ...sighting of an unidentified object.

The location of some of these programs and their directors are
 referred to as:

- a. Harvard University, Cambridge, Mass. (meteor patrol),
 Haystack.
- b. Yerkes Observatory, University of Chicago and Fort Davis, Texas
 (several programs) - Mitchell (comets), Kuiper (asteroids),
 Morgan (wide angle camera).
- c. University of Alaska, Fairbanks (comets) - Elvey
- d. Dominion Observatory, Ottawa (meteors) - Millman
- e. Palomar Observatory, California (sky map) - Minnowski
- f. Rich Observatory, California (sky map) - Shand

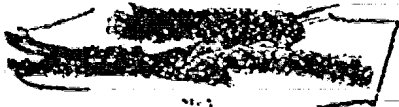




It was agreed by the Panel that no government-sponsored program of effort which might be worthwhile at the present time, and that the encouragement of amateur inventors to undertake such a job, even might have the adverse effect of over-emphasizing "flying saucer" stories in the public mind. However, the issue of radio-frequency channels for receiving peculiar radar echoes would serve several purposes, including the better understanding of radar interference as well as identification of U.S.A. 's.

THE PROBLEM OF SIGNAL IDENTIFICATION

This characteristic problem of radar operation wherein the pulse signal (of approximately the same frequency) from station A may be picked up on the screen of station B and show as a high-speed track or series of dots was recognized to have probably caused a number of U.S.C. reports. This problem was underlined by information received indicating ICB concern in solving this problem of signal identification in their service use of very high-speed aircraft or guided missiles (1955-1956). ^{Dr. K. J. ...} Dr. ... believed that one answer to this problem was the use of a "suppressor filter" in the receiving circuit. ^{Another} [Dr. Alvarez] suggested that the problem might be better solved by the use of a "resonant filter" wherein the operator receiving "very fast tracks" (on the order of 1000-20,000 mph.) would operate a circuit which would allow slightly his station's pulse frequency rate. If the signal received on the screen had been caused by actual interference with another station, the track would now show itself at a different distance





...the nature of the camera, it is still exposed at all. [Mr. Abrams
 with a technical solution was simpler and would cost much less than
 a "super mirror".

IDENTIFICATION OF AIRCRAFT

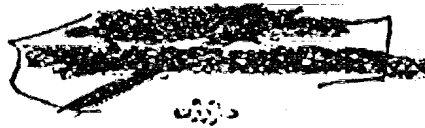
The reported cases were examined: one at Palomar Mountain, California,
 in October 1950, when camera ray counters went "off scale" for a few seconds,
 apparently while a "V" of flying objects was observed visually; and two, a
 series of observations by the "Los Alamos Bird Watchers Association" from
 August 1950 to January 1951, when camera ray coincidence counters failed
 sporadically. Circuit diagrams and records were available for the latter, and
 Dr. [Name] was able quickly to point out that the recorded data were
 undoubtedly due to instrumental effects that would have been recognized
 as such by more experienced observers.

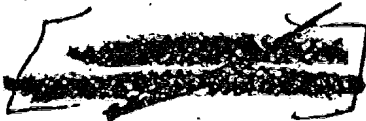
The implication that radioactive effects were correlated with
 unidentified flying objects in these two cases was, therefore, rejected
 by the Panel.

IDENTIFICATION PROGRAM

The Panel's concept of a broad educational program integrating
 efforts of all concerned agencies was that it should have two major
 aims: "training" and "detraining".

The training aim would result in proper recognition of usually
 identified objects (e.g., balloons, aircraft reflections) as well as
 natural phenomena (meteors, fireballs, mirages, noctilucent clouds).
 Both visual and radar recognition are concerned. There would be many



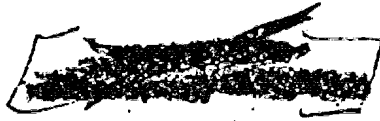


forms in each direction then enlisted personnel to combat and so much personnel. Relative emphasis and degree of explanation of different programs would correspond to the categories of duty (e.g., radio operators; pilots; combat zone operators; ground observer corps personnel; and officers and enlisted men in other categories.) This training should result in a marked reduction in reports caused by misidentification and recording conditions.

The "training" can would result in substance in public interest in "living sources" which today evokes a strong psychological reaction. This education could be accomplished by mass media such as television, motion pictures, and popular articles. Each of such education would be actual case histories which had been passing at first but later exposed. As in the case of confining trials, there is much loss of attention if the "source" is known. Such a program should tend to reduce the current gullibility of the public and consequently their susceptibility to clever hostile propaganda. The Panel noted that the general absence of Russian propaganda based on a subject with so many obvious possibilities for exploitation might indicate a possible Russian official policy.

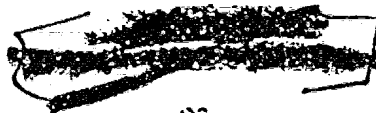
Members of the Panel had various suggestions related to the planning of such an educational program. It was felt strongly that psychologists familiar with mass psychology should advise on the nature and extent of the program. In this connection, Dr. Holley Cantrell (Princeton University) was suggested. Cantrell authored "Evolution from





literary study in the psychology of panic, written about the famous
Great Molasses Panic incident in 1919) and has since performed advanced
laboratory studies in the field of perception. The names of Ben Margolis
(University of Michigan) and Leo Rosten were mentioned as possibly
available as consultant psychologists. Also, someone familiar with
radio communication technology, perhaps an advertising expert, would be
helpful. Arthur Godfrey was mentioned as possibly a valuable channel
of communication reaching a mass audience of certain levels. Dr. Hynak
suggested the U. S. Navy (USN) Special Devices Center, Sanit Point, La. as
a potentially valuable organization to assist in such an educational
program. The training techniques used by this agency for aircraft
identification during the past are cited as an example of a similar
educational task. (The Sanitary Co. which made World War II training
films (motion picture and slide strips) was also suggested, as well as
Walt Disney, Inc. animated cartoons. Dr. Hynak suggested that the
entire enterprise in the U. S. might be a potential source of enthusi-
astic talent "to spread the gospel". It was believed that business
clubs, high schools, colleges, and television stations would all be
pleased to cooperate in the showing of documentary type motion pictures
if prepared in an interesting manner. The use of two cases showing
first the "mystery" and then the "explanation" would be forceful.

To plan and execute such a program, the Panel believed was no
small task. The current investigatory group at AFRO would, of necessity,
have to be closely integrated for support with respect to not only the





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... under conditions of the office.

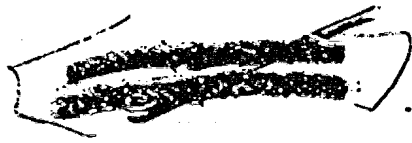
The kind of one to the good. Reports and matters and a substantial
... including films would be necessary in addition. The Panel
... that might exist, temporarily expanded as necessary.
... in implementing any action taken as a result of
... Recommendations. Experiences and records in AFSS would be of value
... with the public educational and service training program envisaged.

[The Panel is of the opinion that after public gallantry
... and the service organizations, such as AFSS, had been trained
... the more readily explained obvious sightings, there would
... be a role for a very modest-sized AFSS section to cope with the
... of items of possible scientific intelligence value. This
... should concentrate on energetically following up (perhaps on
... of qualified Air Force Scientific Advisory Board members)
... cases which seemed to indicate the evidence of unconventional?
... artifacts. Reports of such artifacts would be expected to
... arise mainly from Western outposts in far closer proximity to the
... than certain than subject, Panel!

EMERGENCY INVESTIGATIVE GROUPS

The Panel took cognizance of the existence of such groups as the
"Whittaker Flying Saucer Investigators" (Los Angeles) and the "Aerial
... Research Organization (Albuquerque). It was believed that
such organizations should be watched because of their potentiality





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F. G. DURANT III

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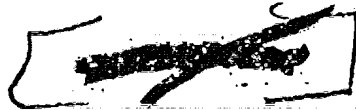
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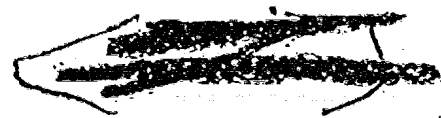
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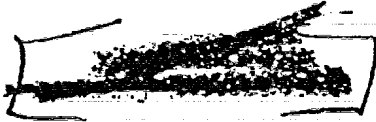


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UNEXPLAINED SIGHTINGS OF
AERIAL BALLONS

14 JANUARY 1950

- 1. Summary case histories of sightings 1946 - 1952 (included by [redacted] case last paragraph).
- 2. Summary and Program Report of Project [redacted] and Project [redacted] (also known as [redacted] study of subject).
- 3. Summary Report of Project [redacted] (also known as [redacted] study of subject).
- 4. Summary Report of Sightings at [redacted] Air Force Base, New Mexico.
- 5. Report of USAF Research Center, Cambridge, Mass., Investigation of [redacted] (Project [redacted]).
- 6. Summary of Investigation of U.F.O.s Reported by [redacted] Air Force Base (Project [redacted]).
- 7. Report of [redacted] of sightings at [redacted], Utah, 2 July 1948; [redacted], [redacted], August 1950.
- 8. Summary Report of 14 selected cases of sightings of various categories (aerobatics, landing lights, hovering, etc.).
- 9. List of unusual "UFO" to take a [redacted], prepared at AFND.
- 10. Chart Showing Plot of Geographic Location of Unexplained Sightings in the United States during 1946.
- 11. Chart Showing Balloon Launching Areas in the United States.
- 12. Chart Showing Selected Aerial Balloon Flight Paths and Relation to Reported Sightings.
- 13. Chart Showing Frequency of Reports of Sightings, 1946 - 1952.
- 14. Chart Showing Categories of Reproductions of Sightings.
- 15. Chronological Reappraisal of Polyethylene Film Balloons in Flight (also known as [redacted]).





- 16. Aerial picture of missile in flight, showing high radioactivity.
- 17. Info. re. the reports made by the U.S.S.R. interest in U. S. Significance.
- 18. Samples of official USSR Reporting Forms and Copies of Paragraphs re. Soviet Army and Navy Orders Relating to Subject.
- 19. Sample Polyethylene "Shield" Material (54 inches square).
- 20. "Vestniks in Enemy Coverage", JMW 161 (Manual illustrating unusual spreading characteristics of Service radar).
- 21. Miscellaneous official letters and foreign intelligence reports dealing with subject.
- 22. Copies of popular publications dealing with subject (articles in magazines, newspaper clippings and books).

