

SUNlite

Shedding some light on UFOlogy and UFOs

The reaction, mentioned above, that after reading a few reports, the reader is convinced that "Flying saucers" are real and are some form of sinister contrivance, is very misleading. As more and more of the reports are read, the feeling that "saucers" are real fades, and is replaced by a feeling of skepticism regarding their existence. The reader eventually reaches a point of a saturation, after which the reports contain no new information at all and are no longer of any interest. This feeling of surfeit was universal among the personnel who worked on this project....

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Pentagon wages war on UFOs!

Because of increased concern about national security, it appears that anything unknown in the sky is a potential enemy. Consequently, the military now seems to be waging a war on UFOs. The initial event was the spy balloon, created by China, that flew across the United States in early February. After this, the military began reporting that they were shooting down various unknown airborne objects. All the military could say was that they appeared to be objects of various shapes that seemed to have no apparent means of propulsion. Their altitudes made them hazards to air traffic and was the reason given for the subsequent shoot downs. Later, the military determined that these objects were probably balloons with scientific payloads or helium balloons that drifted to higher altitudes. The fact that the pilots could not positively identify these objects prior to taking action reinforces the argument that observations made by pilots flying in high speed aircraft can be inaccurate.

[The All-domain Anomaly Resolution Office \(AARO\) released their 2022 Annual Report on Unidentified Aerial Phenomena.](#) It was essentially a summary. Their previously released preliminary assessment covered 144 reports. Since then, they have received 366 more (119 of them pre-date the original cutoff date of March of 2021). We have no specific information about each case and it is mentioned that some of the reports pre-dating March of 2021 went back as far as seventeen years. In this annual report, AARO concluded that over half of these 366 new reports were "unremarkable" with 163 showing balloon-like characteristics, another 26 appearing to be drones of some kind, and six cases being classified as "clutter" (AARO defines this term as being airborne debris, birds, or weather). That leaves 171 (46.7%) being "unidentified". While this appears to be significant, it really does not mean much. Just because something is "unidentified" does not mean they are some sort of exotic craft piloted by non-human entities. In fact, the report states that, *"...many reports lack enough detailed data to enable attribution of UAP with high certainty"*. In other words, they probably fall into the category of "Insufficient information". That doesn't say a lot about the reports they are receiving. Still, AARO continues to be concerned about these objects because they represent a hazard to aircraft and a potential health hazard (I suspect this "threat" comes from the information provided by BASS). However, AARO also noted that they could not find any record of a UAP colliding with a US aircraft and they had no cases of a UAP producing adverse health effects to the observer. The bottom line is that UAP COULD be a threat to aviation safety and the health of the observer but that threat seems to be very small.

While Blue Book 2.0 (AARO) continues their work, I have to wonder what their analysts are thinking about what they are examining. I keep thinking about the statement in Project Blue Book's special report number 14 (see front cover) regarding how, eventually, people begin to lose interest in evaluating the cases because of the lack of good information. One can only hope that AARO analysts can conduct thorough investigations into each incident but, to avoid the lack of enough data trap, they should focus on current events since the information will be fresh and it is possible to ask for additional details if necessary.

Speaking of Blue Book, I have yet to see anything that suggests that their conclusions in 1969 were wrong:

1. No UFO reported, investigated, and evaluated by the Air Force has ever given any indication of threat to our national security.
2. There has been no evidence submitted to or discovered by the Air Force that sightings categorized as "unidentified" represent technological developments or principles beyond the range of present-day scientific knowledge.
3. There has been no evidence indicating the sightings categorized as "unidentified" are extraterrestrial vehicles.

While one can argue that a Chinese spy balloon is a threat to national security, one has to remember that it can be considered an identified object and not unidentified. Only time will tell if the USAF has to revise this position.

Cover: To most this IFO is obvious. It is a plane with a flashing anti-collision strobe. There is a case in the UFO evidence from Johannesburg, South Africa that can be explained by an aircraft with a special strobe light.

Left: The Chinese spy balloon is shot down. Another IFO bites the dust.

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WEEDING OUT THE WEINSTEIN CATALOG

March 23, 1950 - 85 miles northwest of Jacksonville, Florida ¹

50.03.23	00:30	USA	85 miles northwest of Jacksonville, Florida	M	a USAF C-47 (2104th weather group) crew	one blue-white flame (50-75 ft long).				13.7
50.03.24	night	USA	Jacksonville, Missouri	A	C-47C 2	an object glowing with a bluish white light				02

The source of this entry is the Blue Book files.

Source information

The Blue Book file is limited in the amount of information it provides. It consists of three pages of information. The highlights of the report are:

- The weather was clear.
- The time of the event was at 0030 local time on 23 March 1950.
- The plane was enroute from Jacksonville to Robins AFB in Georgia.
- The observers were the pilot was 1st LT J. K. Hahn of the 2104th Weather Group and a passenger, TSGT L. H. Young.
- Other personnel on the flight were the co-pilot 1st LT R. D. Putnam and flight engineer S/SGT Ruby J. Dodd.
- 1st LT Hahn saw a blue-white flame, 50-75 feet long, coming towards the aircraft at the 11 O'Clock position.
- Hahn pulled the plane towards 1 O'Clock.
- When the pilot looked back, the object had disappeared. The co-pilot and flight engineer saw nothing.
- TSGT Young was a passenger in the plane and also saw the blue-white flame approaching the aircraft. When the pilot changed direction, Young went to the other side of the plane to see if he could see the object but did not see it. It had disappeared.
- The duration of the event was not given but, based on the description, it probably lasted not much more than a few seconds.

Analysis

The obvious potential explanation for this sighting is a bright meteor. The object appeared suddenly and then disappeared. It seems to have been traveling on a straight line since there was no mention of it maneuvering. Because it appeared to be on a collision course, the pilot reacted as one would expect. He tried to avoid a collision. By the time he looked again, the meteor had faded out.

Meteor records from this time period are very limited and it is impossible to positively verify. A check of the newspaper archive revealed no reports of a meteor but that is not unusual. Meteors, especially ones that appear late at night in areas not densely populated are rarely mentioned. I remember seeing two bright fireballs in the 1970s that were bright enough to cast shadows but had no mention of them in the local papers. An examination of the American Meteor Society database reveals that for the year 2022, there were 10,382 fireball reports. 6,851 (about 66%) had only one observer reporting.³ This is similar to the years of 2006-2021. This indicates that a fireball might be visible of an area but only one might report it.

Conclusion

This case was a probable meteor. It should be removed from the list.

Notes and references

1. Weinstein, Dominique F. Unidentified Aerial Phenomena: Eighty years of pilot sightings. NARCAP. February 2001. P. 46
2. "Case file - March 23, 1950 85 miles NW of Jacksonville, Florida." Fold 3 web site. Available WWW: <https://www.fold3.com/image/9614387/85-mnw-jacksonville-fla-blank-page-1-project-blue-book-ufo-investigations>
3. American meteor society fireball database. Available WWW: https://ams.imo.net/members/imo_fireball_stats#events_col

April 11, 1958 Johannesburg, South Africa

April 11, 1958--Johannesburg, S. Africa. Airport instrument inspector, others watched reddish-white UFO arc back and forth. [X]¹

In section X there is the following description:

At Johannesburg, April 11, 1958, H. F. Daniels (airport instrument inspector) and others watched a reddish-white UFO above the north horizon at night, moving back and forth east and west. "I have worked with aircraft for 18 years," Mr. Daniels said, "and the thing I saw was certainly no conventional plane. The speed was phenomenal and it sometimes became completely stationary, changing color from white to blood red." [55.]²

Footnote 55 comes from the Johannesburg Sunday Times of April 13, 1958.³

Source check

Getting a copy of that specific newspaper clipping was not easy to come by. I could not locate a copy. Loren Gross' UFO history for March-April 1958 has no clipping or mention of this sighting either. The May-June 1958 issue of Flying Saucer Review appears to have content from that article cited by NICAP. They mention the witness Daniels and his observations:

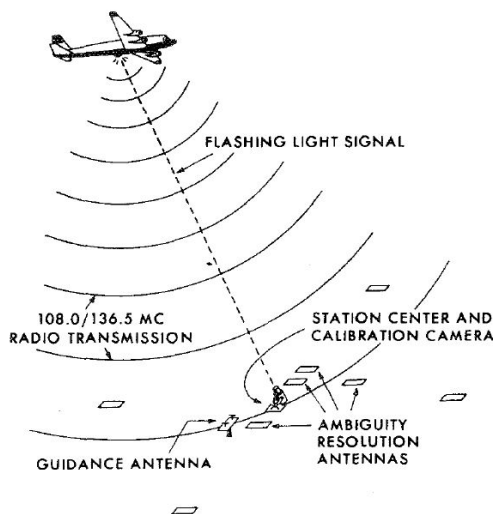
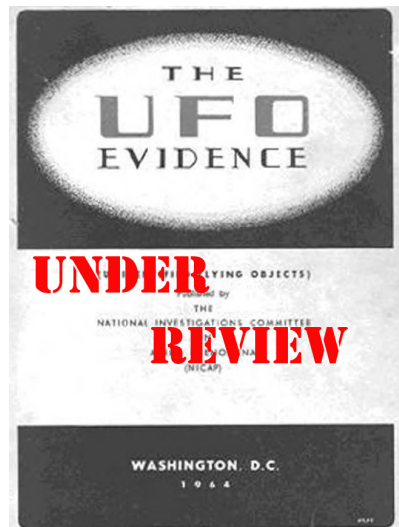
Three nights running a star-like object was watched over the northern sky over Johannesburg and several reef towns. The object was seen on Wednesday, April 9, Thursday, April 10, and Friday, April 11. In almost every case descriptions by eye-witnesses were identical. An official at Jan Smuts Airport, Mr. H. F. Daniels, said that it covered a steady 30 degree arc every 10 seconds. "This gave it a speed of at least 2,000 m.p.h. I have worked with aircraft for 18 years and the thing I saw was certainly no conventional plane. Its speed was phenomenal and it sometimes became completely stationary changing color from white to blood red." Among others who watched the object were two Johannesburg journalists and a South African Air Force meteorology official.⁴

A check of Blue Book files reveals there is a mention of this case as "For information only". That case has only one page. It is a page from Menzel and Boyd's book, The world of flying saucers. It mentions the event and provides additional information unknown to or ignored by NICAP:

A flying saucer reported from Johannesburg, South Africa, on April 11, 1958, belongs in this category. Hundreds of witnesses reported a mysterious starlike object maneuvering in the northern sky on three successive nights at speeds in excess of 2000 miles an hour. Most observers agreed that "The Thing" could not have been any known aircraft because its speed was too great; it sometimes hovered stationary in the air, and repeatedly changed color from white to red to deep scarlet. One member of an Interplanetary Club who watched it through binoculars described the UFO as saucer-shaped with a rim like a soup plate around the edge.

Members of the Council for Scientific and Industrial Research Minitrack Station, near Johannesburg, were amused by the variety of reports on "The Thing". The mysterious object in the night skies was in fact a South African Air Force Dakota aircraft, flying back and forth so that the Minitrack Station could test the calibration of its tracking instruments. In addition to the usual navigation lights, the aircraft had carried a bright, flashing light so that it could be photographed [7a].⁵

Footnote 7a indicates the source was the Johannesburg Star of April 14, 1958.⁶ Obtaining a clipping of this story was not possible to obtain either. I could find no further mention of the case in any sources that I have and a search of the Internet simply mirrors the entry from the UFO evidence.



Analysis

This case suffers from a lack of being able to examine primary sources and additional information regarding the sighting. NICAP's clipping describes what one witness reported to the news media. The clipping mentioned by Menzel and Boyd appears to tell "the rest of the story".

The Minitrack Station mentioned by Menzel and Boyd was located at Esselen Park and became operational in January of 1958.⁷ Esselen Park was located on the Northeastern suburbs of Johannesburg and only about 7 miles north of the airport. The station did not last long at this site due to nearby electromagnetic interference. In 1960, they moved to Hartebeesthoek, which was about 30 miles to the NNW of Esselen Park.

The one observation mentioned is from Mr. Daniels, who claimed to have seen the object cover 30 degrees of arc in 10 seconds. He computed this to be a speed of 2000 mph. There is no way to verify his measurements or how he determined the speed if he did not know the distance to the object. Assuming the aircraft was flying over the minitrack station at an altitude of about 20,000 feet, the distance to the aircraft would have been about 8 miles. If his observations were 100% accurate, that means the speed would have been about 1440 mph. However, there is going to be a margin of error in his measurements. If he were off by a factor of three, that would have been 10 degrees of arc in 30 seconds. Those values would result in a speed of about 166 mph. The plane also could have been closer to the observer at the time of his observations (The northern end of the airport is only 5 miles from Esselen Park). One must remember, the witness was observing a flashing strobe, which would jump from one point in the sky to another implying rapid motion. Being able to accurately measure angular distance under such conditions would be difficult. Since a C-47 "Dakota" could fly at around 200-220 mph, the margin of potential error in his observations cannot rule out a C-47 aircraft as the source.

The Minitrack station was designed to detect satellites in orbit. This was the beginning of the space age and South Africa was ideally placed to monitor any satellites launched from Cape Canaveral. The station had a series of antennas and an optical tracker designed to track a satellite and determine its position in the sky to an accuracy of one arc-minute or less. The calibration of the station involved using a high flying aircraft with a flashing strobe just as described by Menzel and Boyd.⁸ The plane would fly over the antenna complex and transmit the frequency used to track satellites. The optical system for the Minitrack Station would photograph the plane as it flew over the site and use the background stars to determine the track of the aircraft. The antenna system would then be calibrated to match the visual track. Essentially, the aircraft acted like a satellite and the system was calibrated to its flight path.

Calibrating the minitrack station was done every 3-4 months⁹ and probably was initially calibrated before and after launches to verify proper operation. Project Vanguard attempted a launch on April 29, which failed. It seems likely a calibration run would have been run in mid-April prior to the planned launch.

Conclusion

Like a good portion of the cases listed in the UFO evidence document, this entry is based on little more than a newspaper clipping which documented some potentially erroneous observations. I suspect it was mailed to NICAP and they chose not to pursue the matter any further after collecting their report. The explanation documented by Menzel and Boyd appears to check out. They did use high flying aircraft with a flashing light to calibrate the minitrack station and such a station did exist north of Johannesburg airport, where the primary witness was looking towards. It appears that personnel at the minitrack station were conducting a calibration during the period the sightings happened. However, because we cannot positively identify that the plane was in that location at the precise moment the witness reported it, we can only label this as "probable aircraft". That being said, there is no reason to reject this explanation and the case should be removed from the "UFO evidence" category.

Notes and references

1. Hall, Richard M. (Ed.) The UFO evidence. The National Committee on Aerial Phenomena (NICAP). New York: Barnes and Noble. 1997. P. 137
2. *ibid.* P. 124
3. *ibid.* P. 127
4. "Hundreds see space ship over Johannesburg". Flying saucer review. London, England. May-June 1958. p. iv
5. Menzel, Donald H. and Lyle G. Boyd. The world of flying saucers. Doubleday and Company. Garden City, NY. 1963. P. 51.
6. *ibid.* P. 58
7. "History of space technology in South Africa." South African National Space Agency (SANSA). Available WWW: <http://atlas.sansa.org.za/atlas-history.html>
8. Berbert, J. H., J. D. Oosterhout, P. D. Engels, and E. J. Habib. "Minitrack calibration system". Publications of Goddard space flight center Volume II Space Technology. U. S. Government printing office. Washington D.C. 1963. P. 811.
9. Vonbun, F. O. Technical Note D-1448 Correction for atmospheric refraction at the NASA minitrack stations. U. S. Government printing office. Washington D.C. August 1962. p. ii

THE 701 CLUB: CASE #903 CHINNAMPO, KOREA

MARCH 10, 1951

Don Berliner's list describes the case as follows:

Mar. 10, 1951; Chinnampo, Korea. 9:51 a.m. Witnesses: crew of USAF B-29 bomber, including scanners and tail gunner. A large red-yellow glow burst and became blue-white. No further information in files¹

Brad Sparks has no additional information.²

The Blue Book file³

The Blue Book file consists of a teletype describing the incident and the observers:

- The time on the record card is 0051Z. This computes to 9:51 AM local time. However, the description of the incident on the teletype was that it was night (The line reads: "Night was dark, no moon, but clear"). Looking at the message, the time was listed as 0051 but no Zulu designation was given. This indicates the time reported was probably local time.
- The object was seen by two different aircraft (numbers 5369 and 7738)
- The right scanner of 5369 sighted the object and described it as a basketball. He saw it at 3 o'clock position. It was a reddish-yellow glow that dropped to the same altitude of the aircraft and then burst to a blue-white color.
- The pilot and co-pilot of 7738 saw brilliant flash, with some red, off the left wing.
- The fire control and tail gunners of 7738 saw the object at 9 o'clock position as a flash. It was noted as moving downward and rearward.
- The left scanner of 7738 saw it at 9 o'clock position moving downward and rearward.
- All agreed duration was about 1 second.
- Aircraft 5369 saw it 42 miles SW of Chinnampo. Altitude of 16,800 feet. Time 0051 on 10 March 51. Heading 030.
- The tail gunner of 5369 saw a flash off his left shoulder over the right wing.
- Pilot of 5369 saw a blue-white or blue-green flash out of the corner of his eye towards the 3 o'clock position.
- None of the observers saw a red-orange trail.
- None of the observers saw a craft, trail, or shape.
- The object traveled in a straight line.
- There was no impact from concussion or explosion.

Analysis

While there does not appear to be a lot of information here, I think what is available is enough to draw a conclusion. The only reason it appears to be listed as unknown is because they could not determine if it was a flare, flak, or meteor. The crew felt it was not flak or a flare. The duration was too brief and their altitude seemed too high for a flare. Additionally, if it were a new type of flak, one would expect more than just one burst. This leaves the possibility of it being a meteor. This could have been a short duration meteor that exploded and then faded out. I have seen such fireballs before and it seems plausible that this is what was seen.

The only problem appears to be the two different aircraft giving two different locations of the object. 5369 reported it on the right side of their aircraft while 7738 reported it on the left side. If the planes were flying in formation, then this might indicate the object was between the two aircraft. However, we don't know if they were in formation or in two separate locations. If they were in a daylight formation, the width of the formation was probably 1200-1500 feet (about 1/4 mile) in order to protect each other from fighters. However, the planes were flying at night to avoid fighter interception. Night fighters were not common this early in the war. Night bombing would require different tactics than daylight bombing, which means formation flying would probably not be necessary. Planes could fly solo or the mission might require several flights of a few B-29s hitting the target separated by intervals several miles apart. 7738 could have been returning from the target while 5369 was enroute to the target. The two planes could have been many miles apart and not in formation. It is implied that 5369 might have been in a different location because, after describing 7738's observations, the message then starts to describe the observations of 5369 and gives the location of that aircraft. This does not mean they were in different locations but one could interpret it to mean that it was farther away from the location of 7738. Because we are missing the course and location of plane number 7738, we cannot resolve this potential problem.

One other possibility to consider is that it was a photo flash bomb.⁴ Sometimes a B-29 would have photo flash bombs in the bomb bay to take photographs of before and after bombing. The possibility exists that another B-29 in the area may have dropped one of these to take a ground photograph. The duration of these flashes were only 1/5th of a second. One would think the pilots would have known about such devices but it might have been possible they were unaware one was going to be used.



A photo flash bomb exploding over La Spezia, Italy on April 13-14, 1943

In December 1954, such photo flashes were being used at the bombing range in Avon Park, Florida.⁵ In one instance, the flash from the bomb was visible from over 70 miles away. The only problem with this explanation is that the photo flash bomb makes a distinct noise and the aircrews reported no concussion or noise. The noise could have been drowned out by the noise of the engines.

Conclusion

There is not enough information to tell exactly what was seen since we don't quite know what the position and direction of flight was for the second aircraft. It could have been a meteor or a photo flash bomb. The short duration and lack of anybody seeing any sort of craft implies that what was seen was probably one of these two possibilities. Therefore, I can label this as "Possible meteor/photo flash bomb". Either explanation has some merit. I see no reason that it cannot be removed from the list of Blue Book unknowns.

Photoflash Bombs To Be Used At Avon Park

The Avon Park Bombing Range will be in regular use for Strategic Air Command night photo-reconnaissance training missions starting in January, it was announced at McDill AFB, Tampa.

Large photoflash bombs will be dropped as a regular part of this training. These bombs have a loud report and their flash can be seen from coast to coast in Florida.

Last month one such photo bomb was dropped over Avon Park and the flash was observed at MacDill.

Notes and references

1. Berliner, Don. "The Bluebook Unknowns". NICAP Available WWW: <http://www.nicap.org/bluebook/unknowns.htm>
2. Sparks, Brad. Comprehensive Catalog of 1,700 Project Blue Book UFO Unknowns: Database Catalog Not a Best Evidence List -NEW: List of Projects & Blue Book Chiefs Work in Progress Version 1.30. Jan. 26, 2020. P. 106
3. "Case file - March 10, 1951. Chinnampo, Korea". Fold 3 web site. Available WWW: <https://www.fold3.com/image/7007074/chinnampo-korea-blank-page-1-project-blue-book-ufo-investigations>
4. "Photo flash bomb". Wikipedia. Available WWW: https://en.wikipedia.org/wiki/Photoflash_bomb
5. "Photo flash bombs to be used at Avon Park". Sarasota Herald-Tribune. Sarasota, Florida. December 28, 1954. P. 2

Project Blue Book case review: January - March 1967

This is the latest edition of the Project Blue Book case review covering January through March 1967. Like the previous evaluations, I tried to examine each case to see if the conclusion had merit. I added comments to help clarify the explanation or if I felt it was not correct or adequate. Those marked in red are cases where there were photographs involved.

January 1967

Date	Location	BB explanation	My evaluation
1967	Los Angeles, CA	Insufficient data	Agreed. Report from 8-1/2-year old reporting a UFO landing with a 3-foot tall man in a whites suit and gold helmet.
Jan	Nevada	Insufficient data	Agreed. Letter written to Blue Book claiming to have film of a bright object. Blue Book requested film but never received it.
Jan	Dayton, OH	Insufficient data	Agreed. Record card indicates that there were no specifics associated with report.
Jan	Laredo, TX	Insufficient data	Possible aircraft and Jupiter. Reporting officer did not bother to list a date but it was indicative of being the 25th or 26th of January. The rest of the elements for evaluation were present. Three objects seen. One was stationary towards the east and the others moved from east to north flashing red and blue.
Jan	Oshkosh, WI	Insufficient data	Agreed. Witness did not give date in letter. Missing specific information.
Jan	Cleveland, OH	Aircraft	Agreed. 8-year old. No date but witness stated it was on a Monday in January at 9:17 PM. Characteristics of aircraft.
Jan	Camarillo, CA	Moon	Airborne debris. Two slides in file but cannot view them. Film submitted to Condon study, which determined the film was recorded on 27 December 1967 at 10AM PST. Condon study determined that the camera was looking east. Photo analysts at BB suggested it was probably the moon. Condon analysts suggest it was airborne debris. If Condon information is correct, the moon is not a candidate since it was to the south and a crescent that would not be very bright.
Jan-Mar	Peterson, MN	Unreliable report	Insufficient data. Unable to analyze properly. The copy of the report is not very legible. Impossible to read properly. It appears there are two sightings. One on 23 January and the other on 1 or 14 March. Times are hard to decipher.
Jan-Jul	Lyndhurst, NJ	Satellites	Witness felt they were satellites. Blue Book analyzed observations and identified all as satellites.
1	Colorado Springs, CO	Insufficient data	Possible aircraft. Witness was teen (listed as paperboy).
2	Malvern, AR	Conflicting data	Possibly Jupiter. While adult witnesses were present, the teens filled out the forms. One listed the object in the NW but the other two indicated it was in the east, which is where Jupiter was located.
2	Indianapolis, IN	Aircraft	Agreed. 14-year old.
3	AZ, CA	Meteor	Agreed
5	Orlando, FL	Sirius	Agreed
6	Scarsdale, NY	Aircraft	Agreed. 13-year old.
6	Oakland, CA	Aircraft	Agreed. Multiple sightings by witness. All appeared to be aircraft in nature.
8	Detroit, MI	Aircraft	Echo 2.
8	Morgantown, WV	Insufficient data	Agreed. No positional data. Seen for three hours. Possibly the planet Jupiter.

9	Mt. Clemons, MI	V: Insufficient data P: Insufficient data	Possible hoax. Witnesses would not provide any of the originals for examination. Sequence of photographs were not as described by witnesses and there was a structure where the photograph was taken that was cable of suspending a model. Investigating officer was able to produce a similar photograph with a small balsa wood model.
11	Canon, NM	Insufficient data	Possible birds
12	Indianapolis, IN	Altair	Agreed. It is also possible it was Vega. Witness' direction was not clear other than towards the east.
12	Dayton, OH	Jupiter	Agreed. 11 -year old.
12	Indianapolis, IN	Balloon	Echo 2
12	Roseville, CA	Insufficient data	Possible Centaur Rocket-Body
13	Fair Oaks, CA	1. Aircraft w/after-burner 2. Balloon	1. No report for this object. It appears that this was the initial classification for the sighting. 2. Agreed. Probably a dry-cleaner bag with candles. Description matches the behavior of such a balloon including sparks being dropped before fading out. Wind supported direction of travel.
13	Westover AFB, MA	Reflection	Agreed. Small objects in photograph of C-141 landing looked like reflections of lights or stray light that leaked onto the film prior to development.
16	Warner Robins, GA	Artificial cloud release	Agreed. Barium release from Eglin AFB
16	Charleston, SC	Insufficient data	Possibly the star Sirius. Witness reported two objects but stated they were alternating side by side to one above the other. This was probably the star scintillating. Witness observed object for 50 minutes. Radar contact was operator error.
16	Austin, TX	Satellite	Agreed. Echo 2.
16	Griffithville, AR	Stars/Planets	Agreed. Three objects observed in various locations in the sky. All appeared to be celestial objects. Possibly the stars Rigel, Sirius and Capella.
17	Bethlehem, PA	V: Insufficient data P: Insufficient data	Agreed. Witness presented photograph of moon with nearby bright object. Witness did not give time of observation. Object may have been Echo 2, which made pass early in evening.
17	Elk Creek, MO	Insufficient data	Agreed. Witness only gave a map where he thought the object landed. We don't know about the angle of elevation he saw the object and if it was moving in any direction.
17	Omaha, NE	Aircraft	NO CASE FILE
17-18	Frankfort, KY	1. Stars/Planets 2. Aircraft	1. Agreed. Possibly Sirius 2. Agreed.
18	Mt. Clemens, MI	Stars/Planets	Agreed. Probably the Hyades. Referred to as a cluster of stars with one bright one on the left side.
18	Chesapeake, VA	Insufficient data	Agreed. Witness claimed to be abducted and have missing time. There is insufficient evidence to determine if this was true.
18	Mt. Carmel, PA	Insufficient data	Agreed. Photos in case file but no mention of them in report. Object looks like a model. Image not very good. No duration listed.
18	Lafayette Hill, PA	V: Aircraft P: Insufficient data	V: Possible balloon P: Agreed. Image was too small to identify. No photographs in folder.

18	Boise, ID	V: Hoax P: Man-made object	Agreed to both. 14-year old apparently attempting a hoax photograph of a UFO. No photographs in folder.
18	Columbus, KS	Aircraft	Agreed
19	Dunbar, WV	Insufficient data	Agreed. No duration or direction of flight
19	Middletown, KY	Meteor	Agreed
19	Dayton, OH	Aircraft	Agreed
19	Issaquah, WA	Aircraft	Agreed
20	Kirksville, MO	Aircraft	Agreed
20	Salem, OH	Insufficient data	Two sightings. The first was a possible meteor (duration estimated as 45 seconds but witness indicated extremely fast object). Witness also probably saw Echo 2 for second object.
20	Spencer, IN	Insufficient data	Possible prank fire balloon.
22	Mid-Eastern Pacific	V: Aircraft P: Missile activity	V and P: Atlas missile launch towards Kwajalein.
23	Kansas City, MO	Meteor	Agreed
24	Lake City, PA	Aircraft	Probably Cosmos 44. Witness reported object passing in front of or near moon. Cosmos 44 made a pass that put it close to the moon during the time period witness stated they saw the object.
24	Denver, CO	Aircraft	Agreed
24	Yardley PA/Plattbury AFB, NY	Satellite decay	Agreed. Cosmos 139 RB decay (Molczan). Date was incorrectly recorded.
24	Sebring, FL	Insufficient data	Agreed. File consists of a description of sighting by witness with no specific details. There isn't even a record card.
25	Hampton, VA	V: Insufficient data P: Insufficient data	Agreed. Report lacks specifics. Image shows disc photographed below tree. Image is underexposed and not details are visible.
25	Howard Lake, MN	Insufficient data	Probable hoax. Witness reported landing of UFO while working on his truck. Witness also reported being walking around the UFO with "fish bowl" on his head. Letter to witness was sent back with no person at that address and all attempts to contact the individual were unsuccessful. Even the place of work he described had no knowledge of the person.
25	Stone Mountain, GA	Search light	Agreed
25	Morrisville, PA	Satellite	Cosmos 139 RB decay (Molczan)
26	Coffeen, IL	Aircraft	Agreed. Probably advertising sign aircraft.
26	Manahawkin, NJ	Satellite	Cosmos 139 RB decay (Molczan)
26	San Diego, CA	Cloud	Agreed
27	Santa Maria, CA	V: Aircraft P: Aircraft	Agreed for both.
29	Austin, TX	Aircraft	Possibly Sirius
29	Knox City, MO	Moon	Agreed
29	Export, PA	Insufficient data	NO CASE FILE
30	California, MO	Aircraft	Agreed
30	Hackettstown, NJ	Aircraft	Two sightings over a period of an hour. First sighting was possibly Jupiter. Second sighting was possibly aircraft.

30	Stroudsburg, PA	Confusing data	Insufficient data. Witness did not give any directions. It is possible this was an aircraft and also possible it was Echo 1. It is confusing because witness stated they were in a car and then stated they were at home. However, the form indicates she was not in the car.
30	Corpus Christi, TX	Aircraft	Agreed
30	Ashland, OH	Aircraft	Agreed
30	Crosby, ND	Balloon	Agreed. Appears to be prank fire balloon(s)
30	St. Louis, MO	Aircraft	Agreed
30	Holliston, MA	Insufficient data	Possible aircraft. Witness looking in the direction of Logan Airport and activity observed seemed to be related to normal air traffic.
31	Brunswick, ME	Meteor	Agreed
31	Dayton, OH	Aircraft	Agreed. 12-year old

February 1967

Date	Location	BB explanation	My evaluation
Feb	Dayton, OH	Insufficient data	Agreed. No date or time. Only record card exists.
Feb	Dayton, OH	Insufficient data	Agreed. No date or time. Only record card exists.
Feb	Newport, OR	Insufficient data	Possible meteor. Date was 8 February and time 0750Z. Not sure why record card has no date or time. Duration was 10-15 seconds.
Feb	Fairborn, OH	Insufficient data	Agreed. Date was 24 February. Witness did not fill out form and BB did not bother to record time of phone call. Could have been a satellite.
Feb	Toledo, OH	Insufficient data	Agreed. No date. Could have been 28 February but memo is not clear when sighting occurred.
Feb	Hazelcrest, IL	1. Aircraft 2. Stars/planets	Agreed. Witness reported UFOs for several months and claimed aliens were contacting her through a Ouija board. Investigation by William Powers concluded that she was observing aircraft and stars/planets.
Feb	Glendale, CA	Aircraft	Agreed. Date was 19 February at 4 PM
Feb	Schenectady, NY	Insufficient data	Possible aircraft. Date was given as a Monday in February. Time was 9:10 PM. Witness was 12-year old. Description that it was bright moonlight indicates it was probably February 20.
Feb	Ramsey, NJ	Insufficient data	Possibly Capella. No date but time was 0700Z. Visible for 3 hours and 30 minutes and visible in NW. 17-year old.
1	Kansas City, MO	Moon	Agreed. Witness later identified their UFO as the moon.
1	Cincinnati, OH	Insufficient data	Possible aircraft. Actual date was 28 January. Report made on February 1.
1	Torrington, CT	Venus	Agreed. 15-year old.
1	Denver, CO	Stars/Planet	Agreed. Insufficient information to determine which star/planet.
1	Auburn, NY	Conflicting data	Agreed. Witness gave two different durations for sighting. 14-year old.
2	Oakdale, CT	Stars/Planets	Agreed. Insufficient information to determine which star/planet.
2	Dayton, OH	Arcturus	Agreed
3	Kensington, MD	Aircraft	Agreed
3	Woodridge, Manassus, VA	1. Satellite 2. Aircraft	1. Agreed. Echo 2 2. Agreed

4	Newport, KY	Stars/Planets	Agreed. Insufficient information to determine which star/planet.
5	Hillard, OH	Unreliable report	Agreed. 14-year old reported seeing large flying saucer land and take off. No evidence of landing found. Story appeared to investigating officer as fanciful and made up.
5	Pacific	Meteor	NO CASE FILE
5	Yorktown, Walden, NY	Aircraft	Agreed
6	Dayton, OH	Aircraft	Agreed. 12-year old.
8	Fairborn, OH	Aircraft	Echo 2 satellite
9	Elbow Lake, MN	Insufficient data	Possibly Sirius. Report made in June 1967 by 11-year old.
8	Palisades Parkway, NY	Aircraft	Agreed
8	Bourbon, MO	Aircraft	Agreed. Witness wrote letter reporting seeing lights in woods. Investigation revealed she was probably seeing aircraft lights since her house was underneath a flight path for air traffic.
9	San Diego, CA	Insufficient data	Possible cloud. Witness stated it was an illuminated cloud. Observed during morning twilight.
9	Odessa, DE	UNIDENTIFIED	UNIDENTIFIED
10	Circleville, OH	Insufficient data	Agreed. Witness called and reported UFO but never returned form. Information in phone call was just they had seen a UFO.
10	Wilsonville, AL	Aircraft	Agreed
10	Redwood City, CA	Balloon	Agreed. Possible prank fire balloon.
11	Worland, WY	V: Balloon P: Balloon	Agreed. Verified prank fire balloons.
12	Grand Rapids, MI	UNIDENTIFIED	UNIDENTIFIED
12	Orogrande, NM	Aircraft	Agreed
12	Denver, CO	Meteor	Agreed
12	Cheltenham, MD	Aircraft	Agreed
12	Denver, CO	Satellite	Agreed. Pageos A.
12	Colorado Springs, CO	Arcturus	Agreed
13	IN/OH	Balloon	Agreed. Gamma Ray telescope launched from Arizona landed near Zainesville, OH.
13-Mar	Sidney, OH	Stars/Planets	Probably Venus. 17-year old.
13	Port Chester, NY	Aircraft	NO CASE FILE
13	Dayton, OH	Aircraft	Agreed. 16-year old.
13	Davidsonville, MD	V: Insufficient data P: Insufficient data	V: Possible balloon. Witness used 6-inch reflector to examine object. Saw lettering on object. Object moved SE over a period of 20 minutes (Winds from NW 3-10Kmh). P: Agreed. Photo shows overexposed light/point source.
13	Bandon, OR	Balloon	Agreed. Possible fire prank balloon. Winds in message listed as being from west but surface winds were from the south according to nearby Salem wind measurements.
14	Murfreesboro, NC	Jupiter	Agreed
14	Irvington, NJ	Balloon	Agreed. Prank fire balloon
14	Redkey, IN	Aircraft	Agreed
14	Red Hoak, NY	Venus	Agreed
14	Lees summit, MO	Insufficient data	Possible prank fire balloon
14	North Bend AFS, OR	Balloon	Agreed. Prank fire balloon
14	Morgantown, PA	Aircraft	Agreed
15	Toledo, OH	Insufficient data	Agreed. No time and witness did not fill out form.

15	Findlay, OH	Insufficient data	Agreed. No directions/angles of elevation. 18-year old.
15	Christianburg, OH	Insufficient data	Possibly Sirius. At end of form, witness indicated direction was towards south. Visible for 90 minutes.
15	Chagrin Falls, OH	Aircraft	Agreed.
15	Dayton, OH	Aircraft	Agreed. 12-1/2 year old.
15	Woodberry Forest, VA	Aircraft	Agreed
15	Los Angeles, CA	Satellite decay	Agreed. Cosmos 141 RB decay (Molczan)
16	Hazelton, PA	Aircraft	Agreed
16	Syracuse, NY	Insufficient data	Agreed. Report was incomplete and some of it was illegible. Several troopers attempted to pursue it and called Syracuse at 0055Z. The actual location appears to have been further upstate than Syracuse. Watertown and Canton are mentioned, which are almost near the Canadian border. The moon was in the west and Venus set about 20 minutes before the time listed. Sky conditions were mostly cloudy. It is possible they saw Venus through clouds and were slow reporting to the base.
16	Stoughton, WI	UNIDENTIFIED	UNIDENTIFIED
16	Topeka, KS	Aircraft	Agreed
17	Utica, NY	Venus	Agreed
17	Mt. Clemens, MI	Satellite	Agreed. Echo 1.
17	Elkins Park, PA	V: Insufficient data P: Processing defect	V: Possible hoax. Sighting lasted only 10 seconds but witness managed to photograph it. 12-1/2 year old. Witness stated it shot out of sight. See photo analysis for reasons of potential hoax. P: Double exposure. Witness stated Photo shows nothing significant other than a large faint oval object, which may just be a film defect. BB also determined the object had indications of a multiple exposure.. Image appears to have no density with ghost-like appearance. This is something found in double exposures.
17	Noonan, ND	1. Venus 2. Aircraft	1. Agreed 2. Echo 1
18	Gastbury, CT	Insufficient data	Agreed. Letter sent one month later. No direction of observation or elevation angles given.
18	Condon, OR	Conflicting data	Possibly Jupiter. Blue Book did not identify why data was conflicting.
19	North Andover, MA	Stars/planets	Agreed. Hard to tell which star witness was looking at but it is probably Regulus based on his description. He stated it was dimmer than the brightest stars. Regulus is fainter than some of the brighter stars in the winter sky and it was low in the east in moonlight.
19	Winston-Salem, NC	Balloon	Echo 1 satellite
20	Oxford, WI	UNIDENTIFIED	Moon set (See SUNlite 9-1)
20	Sacramento, CA	Insufficient data	Agreed. No azimuths. Possible satellites/aircraft.
21	Saint Mary's, OH	Insufficient data	Vega
21	Reeder, ND	Venus	Agreed
21	Margate, NJ	Meteor	Agreed
21	Dayton, OH	Venus	Agreed
21	Englewood, CO	Aldebaran	Agreed
22	New Albany, IN	Meteor	Agreed
22	Dayton, OH	Satellite	Aircraft. No satellites visible.

22	Kingsland, TX	Venus	Agreed
22	Kirksville, MO	Venus	Agreed
22	Newburg, MO	Insufficient data	Agreed. Witness wrote a letter but never completed form. Witness appears to be a teen/tween and just claimed to see several UFOs over different nights. No specifics on these observations.
23	Glasgow AFB, MT	V: Confusing report R: Insufficient data	V: Possibly Arcturus. Witnesses reported two different objects seen but on form indicated only one object. It appears it was only one object that was seen by two different groups of individuals. Seen for two hours and exhibiting scintillation characteristics. Arcturus in location described. As it rose, it got brighter and gave the impression it was approaching witnesses. R: Agreed. Only information is that radar contact was recorded. Blue Book requested more information but nothing was ever sent to ATIC.
24	Massapequa, NY	Insufficient data	Agreed. Witness reported seeing a disk shaped craft. 10-1/2 year old. Made comment that parents did not believe him. Possible exaggeration of aircraft observation.
24	Duluth, MN	Venus	Agreed
24	Edinburg, TX	Satellite	Agreed. Pegasus 1.
25	Pocahantas, AR	Satellite	Agreed. Pegasus 3.
25	Sioux City, IA	V: Insufficient data P: Insufficient data	V: UNIDENTIFIED. Three separate objects going towards NE along the same path. One photographed. No air activity. P: Agreed. Photo shows an apparent small object against sky. The lack of any scale indicates it could have been far away and large or close up and small.
25	Urbana, IL	Balloon	Agreed. Prank fire balloon.
25	Fargo, ND	V: Plasma P: Plasma	Possible illuminated balloon or prank fire balloon. Photographs show an illuminated object against dark background but one cannot determine much more than that. Object rose and moved with wind. 16-year old witnesses.
26	Livonia, MI	Insufficient data	Stars/Planets. Two sightings. The first on 25th was possibly Sirius and the one on the 26th was probably Venus. Photo shows overexposed light/point source
26	Glassboro, NJ	Insufficient data	Possibly Venus.
26	PA	Venus	Agreed
26	Dayton, OH	Moon	Agreed
26	Bellwood, IL	Stars/planets	Agreed. Probably Sirius. Second star was possibly Procyon or Rigel. 12-year old
27	Grand Haven, MI	1. UNIDENTIFIED 2. Venus	1. Aircraft/Insufficient data (See SUNlite 14-1) 2. Agreed
27	Kirksville, MO	Aircraft	Agreed
27	Philadelphia, PA	Conflicting data	Possibly Sirius. Witness reported object was coming and going and it was not clear what the object was doing. The object kept returning to its position to the SW. It appears that the witness was watching Sirius and auto-kinetic effect was tricking her into believing the object was moving
27	Newman, GA	Aircraft	Agreed
27	Othello, WA	Insufficient data	Agreed. Actual date was 27 March in message. Time listed as 0500 but not identified as Zulu or PST. Possible satellite. Unable to determine which satellite without correct time.
27	Wheatridge, CO	Aircraft	Agreed

28	Escanaba, MI	Insufficient data	Agreed. Witness wrote letter reporting that a UFO had landed nearby and he had photographed its landing and departure (32 frames exposed). BB sent a letter requesting photographs but received no response.
28	Glen Ellyn, IL	Insufficient data	NO CASE FILE
28	Cushing, WI	Venus	Agreed
28	Baltimore, MD	Aircraft	Agreed. 14-year old
28	Corpus Christi, TX	Mars	Arcturus. Mars had not risen yet.
Feb-Mar	DeSoto, MO	Insufficient data	NO CASE FILE

March 1967

Date	Location	BB explanation	My evaluation
Mar	Spotswood, NJ	Insufficient data	Agreed. No date listed.
1-9	Princeton, Somerville, NJ	Aircraft	Insufficient data. Witness gave very few specifics about the sightings he had. Durations, positional data, and times were usually missing in his letter. No form was in file.
1	London, OH	Insufficient data	Agreed. Witness briefly saw an object while driving. The information provided indicated it could have been a bird, a plane, a balloon, or something else.
1	Stoughton, WI	Insufficient data	Venus
1	Memphis, TN	Aircraft	Agreed
2	Mescalero, NM	Chaff	Insufficient data. Witness reported seeing silver specks in the sky. Spurious radar returns might be related but the information by the witness was just not sufficient to analyze. Photos showing area of sky and location for sighting.
2	Kinnelon, NJ	Venus	Agreed. 12-year old
2	Honor, MI	Venus	Agreed
2	Velva, Westhope, ND	1. Venus 2. Arcturus	1. Agreed 2. Agreed
2	Nimmons, AR	Aircraft	Agreed
2-3	Dayton, OH	Venus	Agreed
3	Winston-Salem, NC	Balloon	Altair. Report of prank fire balloons being released by College students. However, object seen for 40 minutes in the east.
3	Bedford, VA	Unreliable report	Agreed. Witness had a tendency to file reports. Police responded but saw nothing.
3	Mt. Airy, NC	Aircraft	Agreed
3	Grand Forks, ND	Venus	Agreed
3	Farming, MI	Satellite	No satellites visible. Aircraft. Witness were 16 and 17 years old.
4	Portland, OR	Insufficient data	Possible observation of Pageos 1 satellite and Regulus. Satellite disappeared in vicinity of Regulus and witness possibly mistook that Regulus was the original object.
4	Corvalis, OR	Mars	Agreed
4	Seguin, TX	Chaff	Agreed
5	Detroit, MI	Balloon	Agreed. Prank fire balloon.
5	Grosse Point Woods, MI	Balloon	Agreed. Prank fire balloon.
5	Springhill, KS	Venus	Agreed
6	Benton Harbor, MI	UNIDENTIFIED	UNIDENTIFIED
6	Dayton, OH	Conflicting data	Agreed. Witnesses gave confusing dates and times.

6	Kilborne, IL	Venus	Agreed. Witness indicated time was over 3 hours but observations seemed to include additional celestial objects like Sirius.
6	Kirksville, MO	Venus	Agreed
6	Mount Prospect, IL	Insufficient data	Agreed. Possible aircraft or possible meteor. Duration listed as one minute but description in message indicates meteor characteristics. Form sent but returned due to insufficient address.
6	Tawas, MI	Aircraft	Venus. Object was in west in direction of Venus and visible 15 minutes before "landing" in the woods. Venus set 30 minutes after sighting began.
6-11	Galesburg, Moline, IL	1. UNIDENTIFIED 2. Insufficient data 3. UNIDENTIFIED V: Balloon P: Balloon	1.UNIDENTIFIED 2. Possible aircraft 3. UNIDENTIFIED V: Agreed P: Agreed.
7	Gettysburg AFS, SD	Insufficient data	Possible aircraft contrails seen at sunset.
7	Morgantown, WV	Balloon	Agreed. Prank fire balloon.
7	Slayton, MN	Venus	Agreed
7	Toledo, OH	Venus	Agreed. Actual date was 7 April.
7	Denver, CO	Insufficient data	Agreed. File does not contain any information other than record card.
7	Applewood, CO	Insufficient data	Agreed. Record card image is faded and report missing pages. Witness did not fill out report form.
8	Gladstone, MI	Venus	Agreed
8	Grosse Point Wood, MI	Balloon	Agreed. Prank fire balloon.
8	Holland, MO	Aircraft	Agreed
8	Denver, CO	Venus	Agreed
8	Tempe, AZ	Balloon	Agreed. Prank fire balloon.
8	Denver, CO	Meteor	Agreed
8	Dayton, OH	Ground lights	Insufficient data. Only record card in file.
8	Denver, CO	Meteor	Agreed
9	Colorado Springs, CO	Meteor	Agreed
9	Peterson, MN	Insufficient data	NO CASE FILE
9	Lothridge, OH	Insufficient data	Agreed. Witness claimed a UFO approached within 100 feet of car and scared her, and her husband. They drove away until the UFO was no longer present. Blue Book did not receive letter until June of 1967.
9	Brazil, IN	Aircraft	NO CASE FILE
9	Onawa, IA	UNIDENTIFIED	UNIDENTIFIED
10	Auburn, PA	Aircraft	Agreed
10	Osceola, AR	Aircraft	Agreed
10	Alexandria, VA	Insufficient data	Agreed. Missing positional data. 13-year old
10	Junauska, NC	V: Hoax P: Hoax	Insufficient data. Object like a model is shown against a sky. The only items in the file are the photographs. They "look" like a hoax and I would agree with the conclusion if I had more information about any analysis and details about the sighting.
11	Brooklyn, NY	Aircraft w/after-burner	Agreed that it was aircraft. Red "flame" only visible for about 4-5 seconds. This was seen during the evening and the "flame" was probably just the sun reflecting off the aircraft.
11	Manistee, MI	Venus	Agreed

11	Kibleen, TX	Sirius	Agreed
11	Las Vegas, NV	1. Venus 2. Aircraft	Agreed. Four sightings. Three were probably Venus. The fourth, which was two hours later, was probably an aircraft.
11	Torrence, CA	V: Conflicting data P: Conflicting data	V: Agreed. Description does not match what is in the photographs. Witness gave indications this might be a hoax. Referred to the image being revealed by "Our gang" and that "David Christ of NICAP and his friend Elvis Presley" told him not to give the original negatives. Are these real individuals are just fake names? 15-year old. P: Agreed. Witness' description of the camera and film used do not agree with the images provided. Photos look like a Frisbee thrown in the air
11-13	Tillamook, OR	V: Stars/planets R: False targets	V: Agreed. Probably Sirius and Capella for the 13th. On the 11th, it appears to have been Venus setting. Difficult to say based on information in file. Rapid north-south movements were probably due to auto-kinetic effect. Map indicates that most of the objects seen disappeared in westerly direction directly away from the observers. R: Agreed.
12	August, GA	Insufficient data	Agreed. Witness sent letter stating they had seen a UFO and requested forms. Forms were sent but never returned.
12	Corvallis, OR	Balloon	Agreed. Prank fire balloon.
12	Rochester, MN	Insufficient data	Possible hoax. Witness was 12- year old. Photograph shows a dark object against the sky. The object is a black silhouette with a background scene. Blue Book did not have photograph in files but it was published in local newspaper. It stated the object was photographed through a window. The object looks like something taped to the window and photographed.
12	Lexington, MO	V: Conflicting data P: Conflicting data	V and P: Possible hoax. BB photo analysis indicated object was probably a small object tossed in the air and photographed.
12	Eugene, OR	Flare	Agreed
13	Corvallis, OR	Balloon	Agreed. Prank fire balloon.
13	Green, KY	Insufficient data	Agreed. Witness made phone call. Form sent to witness but it was returned as "address unknown".
13	Sioux City, IA	Aircraft	Agreed
13	Madison, WI	Aircraft	Agreed
13	Junction City, OR	Balloon	Agreed. Object moved in direction of wind.
14	Macon, GA	Regulus	Agreed
14	Hilbert, WI	Aircraft	Agreed
15	Sebek, MN	Aircraft	Agreed
15	Dayton, OH	Insufficient data	Possible moon. Witness saw object in location of moon but mentioned not seeing the moon. Described as being like a box kite or butterfly. Viewed through clouds.
15	Springfield, MO	Aircraft	Agreed
15	Tuscon, AZ	Balloon	Agreed. Prank fire balloon.
15	Dayton, OH	Jupiter	Agreed. Witness reported two objects. Second was probably Sirius.

16	Dayton, OH	Insufficient data	Agreed. Woman called Wright field with UFO report. Other than the object being visible for almost 30 minutes, nothing else was mentioned (direction and rough elevation would have been nice to have obtained). Local law enforcement were called and they could not see anything when they arrived and did not see anything on their way to the residence.
16	Dayton, OH	Aircraft	Agreed
16	Austin, TX	Venus	Sirius. Both visible but witness indicated that object was to the south and not towards the west.
16	Robinson Springs, AL	Balloon	Capella. Object was stationary in NNW 10 degrees above horizon. Capella was in NW 20 degrees above horizon. Description was that of scintillating star (changing colors rapidly). Balloon would have drifted towards observers and not away.
17	Summerhill, PA	Insufficient data	Possibly Sirius. Actual location was near Williamsport, PA. Car driving southwest and looking south. Witness did not fill out form.
17	Lebanon, OH	Insufficient data	Possibly Arcturus and adjacent star. Witness was in moving vehicle but direction was towards Arcturus, which was rising. Adjacent star was described as distant star and Arcturus described as being an elliptical shaped light.
17	Galena, IL	Aircraft w/contrail	Agreed. Moon visible and would have illuminated any contrails. Witness reported seeing 27 UFOs during two nights of observation. 18-year old.
17	Tuscon, AZ	Aircraft	Agreed
17-21	Novinger, MO	Venus	Agreed
18	Dayton, OH	Insufficient data	Possible daylight sighting of Venus. Seen in the evening
18	Spotswood, NJ	Satellite	Agreed. Possibly Pegasus 2. 10-year old.
18	Dayton, OH	Insufficient data	Possibly Arcturus
18	Memphis, TN	Aircraft	Agreed. 11-year old
18	Kansas City, MO	Aircraft	Agreed
19	Los Angeles, CA	Insufficient data	NO CASE FILE
19	Benton, AR	Ground lights	Agreed
19	Louisville, KY	Balloon	Agreed. Prank fire balloon.
19	Newburgh, NY	Venus	NO CASE FILE
19	Stratford, CT	Aircraft	Agreed. 11-year old
19	Colorado Springs, CO	Balloon	Agreed. Prank fire balloons.
19	Yonkers, NY	V: Clouds P: Insufficient clarity	V: Agreed P: Agreed. 8mm Film. No still images in file to evaluate. BB determined that the images lacked resolution/clarity to identify objects.
20	Cheyenne, WY	Meteor	Agreed
20	Hamtramck, MI	Meteor	Agreed
20	Moss Bluff, FL	Insufficient data	Agreed. Witness reported in May and could not remember exact date. Witness stated they recorded it on movie film but no film was submitted.
20	Eugene, OR	Balloon	Agreed. Prank fire balloon. Witness felt it could not be balloon because winds from West but surface winds were from SE. Upper level winds from West.
21	Elkhorn, KY	Aircraft	Agreed
21	Farmington, WI	Venus	Agreed
21	Denver, CO	Venus	Possibly Sirius. Venus set 30 minutes prior to sighting.

22	Youngstown, OH	V: Insufficient data P: Insufficient data	Agreed. Witness reported photographing UFO with no specifics on sighting and sent only one print of three he claimed to have. No negatives were sent. Witness stated negatives/prints were developed by a friend. The image looks like a black cutout that was close. Distant trees in focus but the object is blurry/out of focus. Could have been pasted onto a window or clear glass. It is also possible the "friend" performed some sort of work in the darkroom to create the image, which is why the negatives were not sent..
22	St. Paul, MN	Aircraft	Agreed
22	Little Rock, AR	Aircraft	Agreed. 16 and 14-year old.
22	Proctor, MN	Aircraft	Agreed
22	Wapello, IA	UNIDENTIFIED	UNIDENTIFIED
22	Norman, OK	Balloon	Agreed
23	Eglin AFB, FL	Chaff	Agreed
23	Dayton, OH	Venus	Sirius. Venus had already set.
23	Anchorage, KY	Insufficient data	Possible meteor
23	Springfield, MA	Insufficient data	Unreliable report. 15-year old witness reporting January of 1968.
24	Wellington, TX	Ground lights	Agreed. Probable lights from vehicles.
24	Bentor, AR	Balloon	Agreed. Prank fire balloon.
24	Creswell, OR	Conflicting data	Agreed. Witness initially reported event happened on 5 April. When they completed form, they identified date as 24 March.
24	Belt, MT	UNIDENTIFIED	UNIDENTIFIED
24	King of Prussia, PA	V: Reflection P: Reflection	Agreed. 14-year old photographed object through a window.
25	Lake Canton, IL	Aircraft	Agreed
25	Dayton, OH	Venus	Agreed
25	Tuscon, AZ	Clouds	Agreed
25	Pelions Rapids, MN	Insufficient data	Agreed. No duration and no positional data/course.
25	Orlando, FL	Stars/Planets	Agreed. Mars and Arcturus
25-31	Cornwall, NY	Insufficient data	Agreed. Witness stated object was moving very fast but it was visible for 50 minutes. No positional data. 14-year old.
26	New Winchester, OH	UNIDENTIFIED	UNIDENTIFIED
26	Dayton, OH	Aircraft	Agreed
26	Allentown, PA	Meteor	Agreed
26	Atkins, AR	Venus	Agreed
27	Othello, WA	Venus	Agreed
27	Apache Junction, AZ	Balloon	Agreed. Prank fire balloon.
28	Keesler AFB, MS	Meteor	Agreed. Duration was 1-2 minutes but all other characteristics are of a meteor.
29	Waterbury, CT	Balloon	Agreed. Prank fire balloon.
29	Dayton, OH	Ground Lights	Agreed
29	New Windsor, NY	Aircraft	Possibly Cosmos 58 or 58's rocket body. 12-year old.
29	New Ulm, MN	Insufficient data	NO CASE FILE
29	Saginaw, MI	Refueling operation	Agreed
29	Centerline, MI	Insufficient data	NO CASE FILE
29	Dayton, OH	Insufficient data	NO CASE FILE

29	Blytheville, AR	Insufficient data	Stars/Planets. Venus, Rigel, and Sirius. Witness stated objects moved "rapidly" to the west but were visible for 20-25 minutes and 5 minutes.
30	Bellbrook, OH	Insufficient data	Agreed. Witness called to report UFO but never returned form.
30	Northampton, MA	Insufficient data	Possibly Venus and aircraft. Witness did not return form and report was in letter. Enough positional data and details to suggest it was Venus and aircraft in vicinity. Witness appeared to be teen.
30	Omaha, NE	Silica	Agreed. Objects supposedly fell to ground, and burned the grass. Specimen submitted determined to be Silica.
30	Erie, PA	Aircraft	Agreed
30	Kettering, OH	Arcturus	Agreed
30	Dayton, OH	Aircraft	Agreed. 13-year old
30	Fultonville, NY	Artificial cloud	Agreed. Aeronomy mission launched from Wallops island. 14-year old.
30	Oklahoma City, OK	Aircraft	Agreed. Observer reported seeing 7 objects with various tracks but provided only one time. While observer stated objects were moving faster than aircraft, each of the objects were visible for 2-3 minutes.
30	Othello, WA	Aircraft	Agreed. Witness seemed confused. Moon did not rise until 2AM but witness stated it was visible at 7PM. 12-1/2 year old
31	Bergenfield, NJ	V: Aircraft P: Aircraft	V: Agreed. 15-year old. P: Agreed. Photographs show aircraft.
31	Bayshore Long Island, NY	Balloon	Agreed. Prank fire balloon.
31	Oil City, PA	Aircraft	Agreed.
31	Corvallis, OR	Balloon	Agreed. Prank fire balloon.
31	Cuyahoga Falls, OH	Aircraft	Agreed

Reclassification

I evaluated 321 cases in the Blue Book files from January through March 1967. In my opinion, 76 were improperly classified (about 23.6%). 40 (about 12.5% of the total number of cases/52.6% of the reclassifications) of these were listed as "insufficient data". This table describes these cases and how I felt they should have been classified.

Date	Location	Reclassification	Reason
Jan	Laredo, TX	Insufficient data	Possible aircraft and Jupiter. Reporting officer did not bother to list a date but it was indicative of being the 25th or 26th of January. The rest of the elements for evaluation were present. Three objects seen. One was stationary towards the east and the others moved from east to north flashing red and blue.
Jan	Camarillo, CA	Moon	Airborne debris. Two slides in file but cannot view them. Film submitted to Condon study, which determined the film was recorded on 27 December 1967 at 10AM PST. Condon study determined that the camera was looking east. Photo analysts at BB suggested it was probably the moon. Condon analysts suggest it was airborne debris. If Condon information is correct, the moon is not a candidate since it was to the south and a crescent that would not be very bright.
Jan-Mar	Peterson, MN	Unreliable report	Insufficient data. Unable to analyze properly. The copy of the report is not very legible. Impossible to read properly. It appears there are two sightings. One on 23 January and the other on 1 or 14 March. Times are hard to decipher.
1/1	Colorado Springs, CO	Insufficient data	Possible aircraft. Witness was teen (listed as paperboy).

1/2	Malvern, AR	Conflicting data	Possibly Jupiter. While adult witnesses were present, the teens filled out the forms. One listed the object in the NW but the other two indicated it was in the east, which is where Jupiter was located.
1/8	Detroit, MI	Aircraft	Echo 2.
1/9	Mt. Clemons, MI	V: Insufficient data P: Insufficient data	Possible hoax. Witnesses would not provide any of the originals for examination. Sequence of photographs were not as described by witnesses and there was a structure where the photograph was taken that was cable of suspending a model. Investigating officer was able to produce a similar photograph with a small balsa wood model.
1/11	Canon, NM	Insufficient data	Possible birds
1/12	Indianapolis, IN	Balloon	Echo 2
1/12	Roseville, CA	Insufficient data	Possible Centaur Rocket-Body
1/16	Charleston, SC	Insufficient data	Possibly the star Sirius. Witness reported two objects but stated they were alternating side by side to one above the other. This was probably the star scintillating. Witness observed object for 50 minutes. Radar contact was operator error.
1/18	Lafayette Hill, PA	V: Aircraft P: Insufficient data	V: Possible balloon P: Agreed. Image was too small to identify. No photographs in folder.
1/20	Salem, OH	Insufficient data	Two sightings. The first was a possible meteor (duration estimated as 45 seconds but witness indicated extremely fast object). Witness also probably saw Echo 2 for second object.
1/20	Spencer, IN	Insufficient data	Possible prank fire balloon.
1/22	Mid-Eastern Pacific	V: Aircraft P: Missile activity	V and P: Atlas missile launch towards Kwajalein.
1/24	Lake City, PA	Aircraft	Probably Cosmos 44. Witness reported object passing in front of or near moon. Cosmos 44 made a pass that put it close to the moon during the time period witness stated they saw the object.
1/25	Howard Lake, MN	Insufficient data	Probable hoax. Witness reported landing of UFO while working on his truck. Witness also reported being walking around the UFO with "fish bowl" on his head. Letter to witness was sent back with no person at that address and all attempts to contact the individual were unsuccessful. Even the place of work he described had no knowledge of the person.
1/25	Morrisville, PA	Satellite	Cosmos 139 RB decay (Molczan)
1/26	Manahawkin, NJ	Satellite	Cosmos 139 RB decay (Molczan)
1/29	Austin, TX	Aircraft	Possibly Sirius
1/30	Hackettstown, NJ	Aircraft	Two sightings over a period of an hour. First sighting was possibly Jupiter. Second sighting was possibly aircraft.
1/30	Stroudsburg, PA	Confusing data	Insufficient data. Witness did not give any directions. It is possible this was an aircraft and also possible it was Echo 1. It is confusing because witness stated they were in a car and then stated they were at home. However, the form indicates she was not in the car.
1/30	Holliston, MA	Insufficient data	Possible aircraft. Witness looking in the direction of Logan Airport and activity observed seemed to be related to normal air traffic.
Feb	Newport, OR	Insufficient data	Possible meteor. Date was 8 February and time 0750Z. Not sure why record card has no date or time. Duration was 10-15 seconds.

Feb	Schenectady, NY	Insufficient data	Possible aircraft. Date was given as a Monday in February. Time was 9:10 PM. Witness was 12-year old. Description that it was bright moonlight indicates it was probably February 20.
Feb	Ramsey, NJ	Insufficient data	Possibly Capella. No date but time was 0700Z. Visible for 3 hours and 30 minutes and visible in NW. 17-year old.
2/1	Cincinnati, OH	Insufficient data	Possible aircraft. Actual date was 28 January. Report made on February 1.
2/8	Fairborn, OH	Aircraft	Echo 2 satellite
2/9	Elbow Lake, MN	Insufficient data	Possibly Sirius. Report made in June 1967 by 11-year old.
2/9	San Diego, CA	Insufficient data	Possible cloud. Witness stated it was an illuminated cloud. Observed during morning twilight.
2/13-Mar	Sidney, OH	Stars/Planets	Probably Venus. 17-year old.
2/13	Davidsonville, MD	V: Insufficient data P: Insufficient data	V: Possible balloon. Witness used 6-inch reflector to examine object. Saw lettering on object. Object moved SE over a period of 20 minutes (Winds from NW 3-10Kmph). P: Agreed. Photo shows overexposed light/point source.
2/14	Lees Summit, MO	Insufficient data	Possible prank fire balloon
2/15	Christianburg, OH	Insufficient data	Possibly Sirius. At end of form, witness indicated direction was towards south. Visible for 90 minutes.
2/17	Elkins Park, PA	V: Insufficient data P: Processing defect	V: Possible hoax. Sighting lasted only 10 seconds but witness managed to photograph it. 12-1/2 year old. Witness stated it shot out of sight. See photo analysis for reasons of potential hoax. P: Double exposure. Witness stated Photo shows nothing significant other than a large faint oval object, which may just be a film defect. BB also determined the object had indications of a multiple exposure.. Image appears to have no density with ghost-like appearance. This is something found in double exposures.
2/17	Noonan, ND	1. Venus 2. Aircraft	1. Agreed 2. Echo 1
2/18	Condon, OR	Conflicting data	Possibly Jupiter. Blue Book did not identify why data was conflicting.
2/19	Winston-Salem, NC	Balloon	Echo 1 satellite
2/20	Oxford, WI	UNIDENTIFIED	Moon set (See SUNlite 9-1)
2/21	Saint Mary's, OH	Insufficient data	Vega
2/22	Dayton, OH	Satellite	Aircraft. No satellites visible.
2/23	Glasgow AFB, MT	V: Confusing report R: Insufficient data	V: Possibly Arcturus. Witnesses reported two different objects seen but on form indicated only one object. It appears it was only one object that was seen by two different groups of individuals. Seen for two hours and exhibiting scintillation characteristics. Arcturus in location described. As it rose, it got brighter and gave the impression it was approaching witnesses. R: Agreed. Only information is that radar contact was recorded. Blue Book requested more information but nothing was ever sent to ATIC.
2/25	Sioux City, IA	V: Insufficient data P: Insufficient data	V: UNIDENTIFIED. Three separate objects going towards NE along the same path. One photographed. No air activity. P: Agreed. Photo shows an apparent small object against sky. The lack of any scale indicates it could have been far away and large or close up and small.

2/25	Fargo, ND	V: Plasma P: Plasma	Possible illuminated balloon or prank fire balloon. Photographs show an illuminated object against dark background but one cannot determine much more than that. Object rose and moved with wind. 16-year old witnesses.
2/26	Livonia, MI	Insufficient data	Stars/Planets. Two sightings. The first on 25th was possibly Sirius and the one on the 26th was probably Venus. Photo shows overexposed light/point source
2/26	Glassboro, NJ	Insufficient data	Possibly Venus.
2/27	Grand Haven, MI	1. UNIDENTIFIED 2. Venus	1. Aircraft/Insufficient data (See SUNlite 14-1) 2. Agreed
2/27	Philadelphia, PA	Conflicting data	Possibly Sirius. Witness reported object was coming and going and it was not clear what the object was doing. The object kept returning to its position to the SW. It appears that the witness was watching Sirius and auto-kinetic effect was tricking her into believing the object was moving
2/28	Corpus Christi, TX	Mars	Arcturus. Mars had not risen yet.
3/1-9	Princeton, Somerville, NJ	Aircraft	Insufficient data. Witness gave very few specifics about the sightings he had. Durations, positional data, and times were usually missing in his letter. No form was in file.
3/1	Stoughton, WI	Insufficient data	Venus
3/2	Mescalero, NM	Chaff	Insufficient data. Witness reported seeing silver specks in the sky. Spurious radar returns might be related but the information by the witness was just not sufficient to analyze. Photos showing area of sky and location for sighting.
3/3	Winston-Salem, NC	Balloon	Altair. Report of prank fire balloons being released by College students. However, object seen for 40 minutes in the east.
3/3	Farming, MI	Satellite	No satellites visible. Aircraft. Witness were 16 and 17 years old.
3/4	Portland, OR	Insufficient data	Possible observation of Pageos 1 satellite and Regulus. Satellite disappeared in vicinity of Regulus and witness possibly mistook that Regulus was the original object.
3/6	Tawas, MI	Aircraft	Venus. Object was in west in direction of Venus and visible 15 minutes before "landing" in the woods. Venus set 30 minutes after sighting began.
3/6-11	Galesburg, Moline, IL	1. UNIDENTIFIED 2. Insufficient data 3. UNIDENTIFIED V: Balloon P: Balloon	1. UNIDENTIFIED 2. Possible aircraft 3. UNIDENTIFIED V: Agreed P: Agreed.
3/7	Gettysburg AFS, SD	Insufficient data	Possible aircraft contrails seen at sunset.
3/8	Dayton, OH	Ground lights	Insufficient data. Only record card in file.
3/10	Jonauska, NC	V: Hoax P: Hoax	Insufficient data. Object like a model is shown against a sky. The only items in the file are the photographs. They "look" like a hoax and I would agree with the conclusion if I had more information about any analysis and details about the sighting.
3/12	Rochester, MN	Insufficient data	Possible hoax. Witness was 12- year old. Photograph shows a dark object against the sky. The object is a black silhouette with a background scene. Blue Book did not have photograph in files but it was published in local newspaper. It stated the object was photographed through a window. The object looks like something taped to the window and photographed.

3/12	Lexington, MO	V: Conflicting data P: Conflicting data	V and P: Possible hoax. BB photo analysis indicated object was probably a small object tossed in the air and photographed.
3/15	Dayton, OH	Insufficient data	Possible moon. Witness saw object in location of moon but mentioned not seeing the moon. Described as being like a box kite or butterfly. Viewed through clouds.
3/16	Austin, TX	Venus	Sirius. Both visible but witness indicated that object was to the south and not towards the west.
3/16	Robinson Springs, AL	Balloon	Capella. Object was stationary in NNW 10 degrees above horizon. Capella was in NW 20 degrees above horizon. Description was that of scintillating star (changing colors rapidly). Balloon would have drifted towards observers and not away.
3/17	Summerhill, PA	Insufficient data	Possibly Sirius. Actual location was near Williamsport, PA. Car driving southwest and looking south. Witness did not fill out form.
3/17	Lebanon, OH	Insufficient data	Possibly Arcturus and adjacent star. Witness was in moving vehicle but direction was towards Arcturus, which was rising. Adjacent star was described as distant star and Arcturus described as being an elliptical shaped light.
3/18	Dayton, OH	Insufficient data	Possible daylight sighting of Venus. Seen in the evening
3/18	Dayton, OH	Insufficient data	Possibly Arcturus
3/21	Denver, CO	Venus	Possibly Sirius. Venus set 30 minutes prior to sighting.
3/23	Dayton, OH	Venus	Sirius. Venus had already set.
3/23	Anchorage, KY	Insufficient data	Possible meteor
3/23	Springfield, MA	Insufficient data	Unreliable report. 15-year old witness reporting January of 1968.
3/29	New Windsor, NY	Aircraft	Possibly Cosmos 58 or 58's rocket body. 12-year old.
3/29	Blytheville, AR	Insufficient data	Stars/Planets. Venus, Rigel, and Sirius. Witness stated objects moved "rapidly" to the west but were visible for 20-25 minutes and 5 minutes.
3/30	Northampton, MA	Insufficient data	Possibly Venus and aircraft. Witness did not return form and report was in letter. Enough positional data and details to suggest it was Venus and aircraft in vicinity. Witness appeared to be teen.

Summary

I have to wonder if the large increase in reports for 1967 had to do with the public announcement about a scientific study of UFOs in October of 1966. How many of these reports were inspired by individuals wanting to be part of a "scientific study"? One can only speculate but it would not surprise me if it did not play a role in all the young individuals UFO reports. By my count there were 37 reports (11.5%) filed by individuals who were identified as 18-years old or less. This does not include those that just sent letters or made phone reports to the local military base and did not identify themselves by their age.

Venus was a prime source of UFO reports in the evening during February and March. On March 2nd, North Dakota police officers and truck drivers mistook Venus and, later, Arcturus as a UFO. In one instance, a sheriff in Bottineau, ND followed Venus for 17 miles. It must have been a slow pursuit since he stated he took an hour to drive this distance. He only stopped when a police officer reported that he was about 30 miles further west and could see the object in the west. At this point, the Sheriff must have figured he would never catch up to it no matter how much he sped up or how far he traveled. It is possible that another such incident happened on February 16th in upstate NY. The report is too incomplete and fragmentary to be sure. The pursuit of Venus by police officers, and others, has happened before and there would be one highlighted in the Condon study.

As best I can tell, in late 1966, the newspapers started reporting about students and youngsters who were experimenting with plastic bags, straws, and candles to produce miniature hot air balloons. These often produced UFO reports. The news about how to build such devices must have spread as the number of instances of these producing UFO reports "ballooned" in 1967. Most witnesses report lights floating along with the wind and dropping fire/sparks/debris below them. These are common observations of these types of devices. In later years, they would be replaced by Chinese Lanterns.

Photographs were also popular. Many looked like, or were, hoaxes. I really have to wonder how many of these were motivated by the Condon study. Hoaxers find it a challenge to see if they can fool people. It would not be surprising to see if they thought they could fool a group of scientists! Many of the images were hard to properly examine as the object was too far away or at the limit of resolution. It was common to see these UFOs near or beneath trees or structures with the implication they could be suspended by threads/fishing line. Others could have been objects simply tossed into the air. One can never say for sure without higher quality images. None of these images were that convincing.

Satellites were not very common IFOs during this time period. Most of this had to do with the orbits of the Echo and Echo 2 satellites not crossing the US during peak evening hours. Other bright satellites were not very well placed either.

Next issue, I will be evaluating the cases between April and July of 1967.

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