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 1.26, Jan. 31, 2016)

Compiled by Brad Sparks © 2001-2016

The main purpose of this catalog *at present* is to help identify and fill in where possible missing or difficult-to-obtain U.S. Air Force documentation on better quality Unexplained UFO cases, not to present any so-called "proof" of UFO reality nor to discuss and argue possible IFO identifications (usually too voluminous to include in a mere catalog). These are subjects reserved for later analysis once full files can be examined (with a few exceptions on IFO's noted below). This is *not* a list of official USAF designations of "Unexplained" or "Unknown" cases as it has proven to be almost impossible to establish *when* such evaluations were considered final or definitive and many more cases misdesignated IFO's have turned out to be Unexplained UFO's based on recent analyses.

Here the goal is preliminary and to compile more complete documentation, not the perfection of the analysis or categorizations. Many cases here are merely *placeholders* for later work to fill in more info from the BB files or other sources. This catalog will be used eventually to produce *another* catalog of UFO Best Evidence, after a screening process based on Hynek's and on other criteria. For that reason columns for data on Duration, No. of Witnesses, Angular Size and "Instrumentation/Scientists etc." have been separately presented from the available case data and/or calculated where possible.

Proper Definition of "UFO" = "Unknown" or "Unidentified"

Proper scientific investigation standards require defined terms. Hynek defined "UFO" to mean cases found to be "Unidentified" or "Unknown" (interchangeable terms*) where there *is sufficient data* for scientific screening to eliminate IFO's and conventional explanations, and thus by definition there is *not In* sufficient Data**.

(*Interchangeable terms: Hynek's *UFO Experience* 1972 p. 294; *Hynek UFO Report* 1977 pp. 58, 258.) (**Sufficiency of data: Hynek 1972 pp. 12, 42; Hynek 1977 p. 286.)

Hynek explained that the mixing of Insufficient Data cases with other categories was an improper and invalid statistical and scientific procedure, since Insufficient Data should be "excluded" from the outset as bad or inadequate data (Hynek 1977 pp. 259, 292).

This Catalog cannot possibly present all of the essential data of a UFO case, which would require many thousands of pages for all of the cases cataloged here – this is, after all, just a *catalog*, a guide to the larger BB database, paper and digital, as well as to missing BB data available from other sources or which need to be searched for.

Some would like to hairsplit a difference between "unknown" and "unidentified" in order to confuse the situation and make "unknown" to imply alien spacecraft (it does not mean that and does not imply it). They further wish to adulterate the term "unidentified" – which means the same thing as "unknown" and properly means a case with sufficient data that has undergone scientific review for IFO's and has passed. Instead they wish to weaken it into a nearly

worthless meaning of "non-identified for whatever reason, regardless of sufficiency of data, regardless of IFO screening." Their intent is to suggest that *no case has ever had sufficient data (unless an IFO of course) and no case has ever been scientifically screened*. This is frankly a dishonest debunking tactic and is categorically rejected here.

The standard BB term for many years was "Unknown" and it does not mean ET. Battelle Memorial Institute / BB Special Report No. 14 is entirely based on the term "Unknown" throughout its 300+ pages, not "Unidentified." The term "Unidentified" was regarded as something of a synonym but was confusingly redundant since "UFO" already has the word "Unidentified" as the "U" in "UFO." Debunkers today embrace this redundancy as a trick to cause confusion as to whether there are any puzzling UFO Unknowns at all – their use of "Unidentified" intends to suggest that these are no different from IFO's but by accident or happenstance just happen to not have enough "data" to identify or explain them.

Readers are responsible for doing their own research into sources on a case listed in this Catalog (a short not exhaustive list of sources are usually given in parentheses at the end of the narrative entry). Readers cannot just assume the data cited here from these other sources are correct without double-checking, if one is doing indepth analysis. In complicated cases with conflicting sources not all conflicts may be recorded here let alone resolved. Errors in the original sources may also occur, since original sources are not automatically error-free, and these may not be resolvable without investigation.

When IFO/conventional explanations are tentatively found, or suggested, on occasion, the *cases* are not removed from the catalog, so that researchers will be able to keep track of changes in case status from revision to revision of this Catalog. There is no point in segregating such relatively few cases from the main catalog into some separate catalog listing because (a) many such IFO suggestions are only tentative anyway, thus requiring some difficult and pointless BB-style ranking of certitude into Possible, Probable, Certain, etc., and (b) multiple lists make it more difficult to locate cases. Keeping all cases in one chronological master list is easier for reference.

BB Case Statistics and Problems

When Project Blue Book (BB) closed down on Jan. 30, 1970 (it was *not* on Dec. 17, 1969, which was merely the announcement date by the Secretary of the Air Force) the total number of Unidentified sightings was thought to be 701 and this is the number given on all subsequent press releases and so-called "fact sheets." However, based on the review by Hynek and the CUFOS staff of the released sanitized BB microfilm and Hynek's personal records which included many missing (and unsanitized) BB documents, the final number was determined to have been approximately 587. (Don Berliner counted 585 BB Unknowns in 1974, in very close agreement when one considers that some BB cases are multiple cases and can be counted in different ways.)

This lower number of Unknowns apparently reflected an IFO elimination process carried out on old historical cases by the second-to-last BB Chief, Major Hector Quintanilla in the 1960's (and of dubious scientific validity based on examples McDonald studied), which must have reduced the number of Unexplained cases by about 114. Evidently the AF did not update its annual historical UFO statistics to reflect this gradual winnowing process, not realizing it could improve upon its anti-UFO PR position by reducing the perennially embarrassing number of

Unidentifieds. Perhaps Quintanilla did not regard it as his job to update the SAFOI (SecAF Office of Information) statistics, letting that be the PR function of some PIO staffer in the Pentagon.

However, in reverse, Hynek re-evaluated 53 Blue Book IFO cases as Unexplained UFO cases, bringing the total partially back up, to 640. Unfortunately a complete list identifying these 53 cases is not available, though some of the worksheets have been copied by Jan Aldrich from CUFOS-Hynek files. A number of the re-evaluated cases have been included in *The Hynek UFO Report* book published in 1977.

McDonald Estimated Roughly 3,000 to 5,000 Unknowns in BB Files – NOT 701

Much more disturbing are the indications from my incomplete review of BB cases that there may be as many as possibly 4,000 Unexplained UFO cases miscategorized as IFO's in the BB files. McDonald similarly stated in 1968 at his CASI lecture that from his review of BB cases he estimated that 30-40% of 12,000 cases were Unexplained, or about 3,600 to 4,800 (round down and up to 3,000-5,000). These are mostly military cases and many involve radar. McDonald argued with Hynek on a number of occasions from 1966 onward that the number of Unknowns in the BB files was in reality "about an order of magnitude" greater than what the AF claimed (so instead of 500-600 Unidentifieds possibly as many as 5,000-6,000).

BB Cases Total Roughly 15,000 – Not 12,618

The BB files total some 13,134 cases altogether, UFO and IFO and indeterminate, according to the Hynek-CUFOS revised statistics, or about 14,613 when 1,558 "info only" cases are included, per the Saunders/FUFOR Index. Many cases are actually multiple incidents, perhaps totaling 420 or more, filed under one date/location.

For example, the Aug. 11-31, 1965, Houston, Texas, case file is not some 21-day-long incident but contains what is stated to be "59 reports" in Aug 1965 and stated in the BB Index that it is "Carried as <u>ONE</u> file" in the statistics, of which about 53 appear to be separate incidents. But a handwritten note on the same Aug. 1-3, 1965, BB Index says "See separate folder dtd Aug-Dec 65." So this Aug 1965 "case" also contains "72 reports" from the Houston area from Sept. 1-30, 1965, plus 16 from Oct 1965, 6 from Nov 1965, and 8 in Dec 1965, thus all 155 or so cases cataloged as 1 case.

The "final" AF statistic of 12,618 total cases including 701 Unknowns is clearly worthless and invalid statistics (we've already seen that the 701 number is wrong). The CUFOS UFOCAT database, which includes the BB entries cataloged by former Condon project scientist David Saunders, has approximately 15,472 entries but include an unknown number of duplicate entries for the same cases, which are extremely time-consuming to weed out. For simplicity I am therefore rounding to 15,000 as the approximate total number of UFO incidents in the BB files.

Berliner and Randle-Cornett BB Unknowns Catalogs, 1974-75

This catalog is based on the outstanding catalog prepared by Don Berliner of the Fund for UFO Research (FUFOR) from his exhaustive review of the then unreleased Project Blue Book (BB) files at Maxwell AFB (Air Force Base), Alabama, in Jan. 1974, which included many witness names that were later sanitized out ("blacked out" or "redacted") for the public release of the BB files by the Air Force in late 1975.

Kevin Randle and Robert C. Cornett prepared an Unknowns catalog exactly like Berliner's, some time early in 1975 before the files were withdrawn from public access in April 1975 for release review and processing. (Randle, *Project Blue Book Exposed*, 1997, pp. 208-265.) The Randle-Cornett catalog has been used in those rare cases, numbering about 40, where it supplements what is in the Berliner catalog.

Unredacted AF BB Microfilm Secured by FUFOR in 1998

Berliner's effort is now supplemented with the tremendous intelligence coup by William Weitzel and FUFOR in early March 1998 in discovering and later securing copies of the unsanitized pre-redaction record copy 16 mm Maxwell AFB microfilm of the BB files, filmed at Maxwell in Feb. 1975, that the National Archives inadvertently made available (at the College Park, Maryland, NARA II facility in Record Group 341 / 190 / 68 / 08 / 03, boxes 1-6, 70 films numbered 30,362 through 30,431). All of UFOlogy owes an enormous debt of gratitude to FUFOR for this lasting contribution to the preservation and disclosure of this vast treasure of priceless military UFO records.

AF Security Review & Redaction of BB Files in 1975

The AF security classification and privacy review panel began reviewing the BB files by April 1975 (when the BB files were withdrawn from access by AF Archives at Maxwell) and began sanitizing witness names (also destroying or removing certain documents evidently thought embarrassing or incriminating to the AF such as famed Lockheed aircraft designer Clarence "Kelly" Johnson's signature page with his conclusion that the UFO he saw was an actual "device"). The AF finished the review and turned over sanitized files to NARS (now called NARA) in Dec 1975, apparently without yet physically moving the files to NARS facilities (they evidently remained at Maxwell AFB until a 2nd microfilming, post-redaction, done by NARS apparently, in early 1976). These BB files now included an added set of AF Office of Special Investigations (AFOSI) files of UFO investigations from 1948 to 1968 released by AFOSI in Dec 1975 (some of which were already in BB files and some not).

National Archives Release of Redacted BB Files in 1976

NARS started microfilming BB files by Reproduction Service Order NNMM 76-57, approved by NARS Modern Military Branch Chief William H. Cunliffe, Jr., which was placed with commercial firm Fuller & Dees Marketing Group, Montgomery, Ala., on Feb. 19, 1976, (see Order on BB Microfilm Roll 89). This indicates the BB files had not yet been moved out of Maxwell AFB, Montgomery, and were now being microfilmed a 2nd time in Montgomery, this time after redaction. NARS publicly released the BB paper files at NARS, College Park Branch, Md., in mid-May 1976 and the 94 reels of 35 mm microfilm were released on July 12, 1976 (see CUFOS-NARS correspondence 1976).

BlueBookArchive Website – Unredacted BB Files (Partial Set only)

The Blue Book Archive project, founded in 2004 and headed by software developer Rebecca Wise, was ambitiously determined to put the entire BB file collection, both NARA and unsanitized Maxwell AFB versions online on the Internet/Web including searchable OCR text (plus several rare Project SIGN and BLUE BOOK microfilms rescued from oblivion by Herbert Strentz in 1968, as well as other government UFO document collections),\. This project has been stalled for the last few years and is on hiatus at present. It had been hoped to add the McDonald and Hynek BB collections, including their case investigation reports and notes.

The current BB Archive collection of about 56,000 pages consists of mostly unredacted AF UFO files, roughly 45,000 pages of BB files (a partial set, of just over 1/3 of approximately 123,000 pages total BB files exclusive of AFOSI), several sets of additional AF files (possibly 10,000 pages, many duplicating BB files but often in much more legible copies) and redacted AFOSI UFO files (about 7,000 pages). This online collection is organized exactly the way the AF organized the files for record-copy microfilming in Feb 1975 (done so that the AF would have an official record of what was turned over to the National Archives in Dec 1975, then called NARS now NARA). Sometime later the AF decided to give up to NARS/NARA even its record microfilm and this is where they were discovered in 1998.

Fold3 Website BB Collection (NARA Redacted BB Files only)

In 2007, the National Archives allowed the entire collection of sanitized BB documents to be put on the Web through a private company (originally called Footnote.com, now called Fold3.com, renamed in 2011), totaling nearly 130,000 pages (129,658 pages, a figure that is much higher than my previous rough estimate of about 115,000 pages for combined BB + AFOSI). The Fold3 collection of BB documents does include the AFOSI collection of roughly 7,000 pages (contrary to what I had previously thought, and enabling me to update my prior estimate of about 5,000 pages to about 7,000 pages).

Footnote (now Fold3) reorganized the BB case files. The original BB UFO case files were organized chronologically, followed by the Administrative files in the rather confused often non-chronological order the BB staff left them in. The BB Archive follows this pattern strictly in order to maintain page-for-page traceability to the Maxwell and NARA (and other AF) microfilm rolls. But the original BB files were sometimes out of order chronologically for various inexplicable reasons (e.g., much of the Jan. 7, 1948, Mantell file was put in a "special file" not placed in Jan 1948 but between March and April 1948; the July 19-27, 1952, Washington National cases were strewn over an eclectic mix of largely undated files placed between July 9 and 10, 1952, and including unrelated Washington area cases from Aug-Sept 1952).

Much of the BB file on the famous Tremonton, Utah, movie film case of July 2, 1952, is not in the designated July 1952 Tremonton file in July 1952 but scattered elsewhere on Fold3. The bulk of the file is misplaced in a "[BLANK] [BLANK] [BLANK]" catch-all file on Fold3 listed in the Year pulldown menu after 1969 ([BLANK]) then the next pulldown menu for Month in the [BLANK] after November (if you see December then you are in the wrong menu), then select the [BLANK] (with 8,198 pages!) at the end of the Location menu (but not the "[Blank]" [sic] a few entries above it). The Tremonton file is at pages 505 to 592 (beginning at http://www.fold3.com/image/1/7474370/); use the thumbnail Page scroller next to Location and drag the blue dot in the vertical, do not use the laborious "Filmstrip" horizontal bar for something this large. This is not the complete file, it is only 88 pages. But the BB Archive file is 142 pages (138 pgs from MAXW-PBB11-347 to 484 and 4 pgs from MAXW-PBB11-911 to 914). Some 41 pages may be found on Fold3 at 1960 BLANK BLANK beginning at http://www.fold3.com/image/11884307/ This still leaves 13 pages unaccounted for, even assuming the BB Archive file is complete (it is not).

The Footnote/Fold3 file organization uses the sighting-file Month as its basic unit, with individual cases *alphabetically* arranged *within that month*. (Sometimes when cases do not have a month date there are seasons or quarters used for dates instead, such as Spring or Summer, and cases with only a year are apparently put into a January grouping of some sort.)

But if the Footnote/Fold3 organizers didn't find a BB Record Card to separate cases then multiple unrelated cases ended up being mindlessly merged together without end until another BB Record Card is spotted to begin a new case partition. Also, Footnote people decided to shove various BB Admin memos and documents at the end of the Month of the document's date (not always done correctly), sometimes tacked onto the end of a completely unrelated UFO sighting file that happened to be at the end of the Month alphabetically in Footnote's reorganized scheme, or in some mammoth catch-all [BLANK] file heading or [BLANK] [BLANK] or [ILLEGIBLE], etc., sometimes hundreds of pages long! They decided to shove all the 7,000+ pages of AFOSI files at the very end of the BB files, after Dec 1969, in some immense [BLANK] [BLANK] [BLANK] heading.

Black Vault Website BB Collection 2015 (NARA Redacted BB Files only) – Gone

On Jan. 10, 2015, John Greenewald put the Fold3 BB files online into his Black Vault website, and made many of the case files, about 10,000 of the approximately 15,000, into easily downloadable PDF's (Fold3 requires that each page JPG be downloaded, which is very tedious). The work had been done by a contributor to the ATS website since 2012 and BV hosted the result. The case files had been reorganized into a better, chronological order instead of alphabetical order within each month. But many of the pages within case files were still disordered due to Fold3's unwillingness and/or inability to carefully separate pages of different cases or to put out-of-order pages into their proper places.

Unfortunately, on about Jan. 27, 2015, the owner of Fold3, Ancestry.com, illegally demanded that Greenewald remove all of his BB Collection from his BV website, threatening legal action and falsely claiming "copyright" to public domain US Government records (the BB files) paid for by taxpayers, which cannot be copyrighted, and which have been long available within the public domain (nearly 40 years since the 1976 public release of the BB files by the National Archives). Greenewald cannot afford the expensive attorneys and legal action required to prove his legal rights. It is unknown when, if ever, the BB Collection can be returned to the BV website.

Sources and Catalogs of BB Cases Designated as Unidentifieds

The Berliner and Randle-Cornett catalogs have been heavily augmented here with:

- (a)Listing of BB Unknowns selected from the National Archives index of BB cases (published by Steiger in Nov 1976 and available on the World Wide Web at various websites) but lacking descriptive sighting details.
- (b) Partial case listings of re-evaluations by Hynek and CUFOS staff (primarily in *The Hynek UFO Report*, Dell, Dec. 1977), who personally retained many hundreds of unsanitized BB case files in his personal papers which are now with CUFOS (partially made available thanks to the tremendous efforts of Mary Castner and Jan Aldrich; location and existence of some Hynek files still uncertain).
- (c)The 1969 Magonia catalog of landing/close encounter cases by Jacques Vallée who as Hynek's assistant in the 60's examined the BB files and Hynek's copies of BB cases, when many reports had not yet "disappeared."
- (d) Battelle Memorial Institute list of 12 Best Unknowns which also caught a few cases before records vanished (May 5, 1955, report issued as Blue Book Special Report No. 14).
- (e)Lists by James McDonald who saw and copied BB files on five research trips from June 1966 to Aug. 1970 and conducted his own exhaustive and independent investigations, especially see his prepared statement in the 1968 House Committee on Science and

- Astronautics hearing (McDonald 1968; see the National Capital Area Skeptics website) and his 1969 AAAS paper as revised and published posthumously by Sagan & Page (McDonald 1972).
- (f) Records obtained by Jan Aldrich of Project 1947 directly from unsanitized BB files on the Maxwell AFB microfilm, from McDonald, CUFOS, Robert G. Todd, Willy Smith, and Keyhoe/Richard Hall/FUFOR files, from FOIA requests to declassify AF HQ records at National Archives, and from SHG oral history and file recovery efforts.
- (g) Condon project (Univ. of Colorado Project) investigations of BB cases published in the Condon Report (Bantam Books edition, New York, Jan. 1969; especially see the convenient "Sightings, Unexplained" listing in the index, p. 961).
- (h) FUFOR's *Index to the Case Files of Project Blue Book* (1997) which consists of a computer printout reportedly prepared by David R. Saunders of the Condon project, completed circa 1970, but which inexplicably includes cases up to Dec. 1969 near the end of BLUE BOOK and over a year after the AF contract with the Condon project had ended in Oct. 1968. Don Johnson has incorporated these BB listings into his digital UFOCAT database.
- (i) National Aviation Reporting Center on Anomalous Phenomena (NARCAP).
- (j) Willy Smith's case evaluations (On Pilots and UFOs, UNICAT 1997).
- (k) NICAP website compiled by Francis Ridge.
- (l) Dominique Weinstein's *Aircraft/UFO Encounters* (Nov. 1997; and rev. 5th ed. June 2001, *Aircraft UAP Encounters*).
- (m)H. B. Darrach and Robert Ginna, LIFE magazine article, April 7, 1952.
- (n) Various USAF records obtained by Freedom of Information Act (FOIA) requests, especially a collection of long-missing Project SIGN/GRUDGE records found at the St. Louis records center, however please note that it is uncertain whether all of these cases are in the BB/predecessor files or had ever been and got lost or were removed.
- (o) U.S. Air Force Intelligence TOP SECRET analysis of flying disc incidents, April 28, 1949, Report No. 100-203-79 or "AIR 203."
- (p) Martin Shough catalog of radar UFO incidents (RADCAT), 1987, revised 2002, and augmented by Jan Aldrich and Brad Sparks.
- (q) My personal investigations and research (especially all bracketed [] material and most parenthetical () material).

There are other resources that could be consulted and will be eventually. An outstanding example is the voluminous collection of Loren Gross histories only made available to this researcher thanks to the untiring efforts of Mary Castner of CUFOS. But this is a first pass at an ongoing, continually revised and supplemented work.

Another outstanding effort by the new NICAP website team headed by Francis Ridge has gathered together a group of UFOlogist specialists to download and review BB and other UFO file materials for open Web access. The new materials, including some contributions by Sparks, Shough, Aldrich, Ridge, and others, has not yet been fully digested for this BB Unknowns Catalog, but will be assimilated in due course.

The Berliner, Randle-Cornett and the National Archives lists represent most of the cases that BB itself categorized as Unknowns when it closed down in 1970. Only after all of the unsanitized records have been examined will it be possible to complete and double check this list. I hope to eventually include all cases that have ever been categorized as Unknowns by BB or its predecessor projects. Later, this full list will then be fully re-screened for IFO's.

Date When BB Evaluated a Case as Unknown is Itself Unknown

At present it is unclear at what stage or stages the various lists of Blue Book Unknowns represent initial, intermediate or final evaluations by Blue Book staff and/or by Blue Book consultants such as Hynek and Battelle Memorial Institute (which carried out the March 31, 1952 – March 17, 1954, statistical study known as BB Special Report 14, and known internally as Project STORK subproject PPS-100). Hynek with graduate assistant Jennie Gluck (Zeidman) set up a subproject of STORK/Battelle (PPS-161) for Blue Book, called Project HENRY from Jan to Dec 1953/Jan 1954, to channel Hynek's astronomical consulting services into BB and to act as an administrative and investigative supplement to the downsized Blue Book project. HENRY reviewed about ½ of the 1953 UFO cases that came into Blue Book (see CUFOS files for index tabulations and partial case file copies).

A comprehensive examination of the sanitized and unsanitized BB microfilm files and Hynek's enormous BB record collection at CUFOS would be needed to possibly answer the question about what stage of evaluation did "Unknown" or "Unidentified" or "Unexplained" appear in most cases but at present there are no resources to undertake such a time-consuming project. Even so, because of lost and incomplete files this may not be possible in all cases even if the available records could be studied. The goal here is to aid in promoting completeness of documentation and to try to fill in gaps where records have been lost.

Whenever a case has been evaluated as an "Unknown" or "Unidentified" by BB staff (*after BB completed its investigation*) and/or by competent non-BB investigators it is included here. Eventually such cases will be weeded out from future, narrower best-evidence-type lists (at the screening stage mentioned above).

Cases that were evaluated by the AF as Unknowns at some point but have turned out to be IFO's are excluded from ongoing tabulations and only included if in accordance with the above definition (e.g., Fred Johnson and Chiles-Whitted are included here but with IFO notations), and some famous cases may never have been officially considered unexplained by the military or perhaps only briefly (e.g., Kenneth Arnold's June 24, 1947, sighting).

However, please note that in general when there is some doubt as to whether a case was ever actually on file at BB or its predecessors I will err on the side of *inclusiveness* and will include it rather than omit it.

IMPORTANT: Please note that the AF did *not* simply start by calling all 15,000 cases "Unknowns" and then whittle them down to 700. Rather, the AF started with 15,000 cases and after a process of elimination and some investigation came up with only some 700 "Unknowns." That is the total at the end in 1970 but if cases that were classed as Unknowns at any time from 1947 to 1969 are included the total may be closer to the 1,700 or so cataloged here. Also please note that *information on each BB case in this catalog is presented from all sources* not just the information from the BB case file, so that the sighting event is as reasonably complete as possible within space limitations.

BB and Predecessor UFO Projects

For convenience of reference "BB files" will be considered inclusive of predecessor projects at Wright-Patterson AFB (Wright Field), but not projects or investigations elsewhere, such as at Air Force Intelligence or AFOSI.

Note that operational dates are not necessarily the dates of the orders unless the orders were implemented immediately or made effective immediately or both. For example, Project SIGN was ordered by the AF Director of R&D (Craigie) on Dec. 30, 1947, to be set up but was not initiated until Jan. 22/23, 1948, and not formally "operational" as Project HT-304 until Jan. 26, 1948, later designated Project XS-304. SIGN's name was ordered changed by the new AF Director of R&D (Putt) on Dec. 16, 1948, but the name change was not implemented until the day after SIGN's Final Report was issued on Feb. 11, 1949:

Operational Dates of UFO Projects at Wright-Patterson AFB (Wright Field)

Initial unnamed AMC project	June 30, 1947 -	Jan. 26, 1948
Project SIGN	Jan. 26, 1948 -	Feb. 11, 1949
Project GRUDGE	Feb. 12, 1949 -	Aug. 10, 1949
GRUDGE dormancy period	Aug. 10, 1949 -	July 7, 1950
GRUDGE reactivation		
(Project 10073)	July 7, 1950 -	Oct. 22, 1951
"New Project" GRUDGE	Oct. 22, 1951 -	Mar. 25, 1952
Project BLUE BOOK	Mar. 25, 1952 -	Jan. 30, 1970

Overall Command of UFO Projects at Wright-Patterson AFB (Wright Field)

AF Research & Development (R&D) / Materiel	June 30, 1947 -	May 21, 1951
AF Intelligence / Operations	May 21, 1951 -	July 1, 1961
AF Systems Command / R&D	July 1, 1961 -	Jan. 30, 1970

UFO Projects and Activities at AF Intelligence (Pentagon), 1946-1966

Collection Branch (AFBIR-CO, later AFOIR-CO),	
Air Intelligence Requirements Division (AIRD	
became Collection Division, see below,	
Apr. 1, 1950), AC/AS-2	
(Asst Chief of Air Staff-2, Intelligence)	1946-49
Air Estimates Branch (AEB),	
Air Intelligence Division (AID), D/I (AFOIN)	1948-49
Defensive Air Branch / Defense Air Branch (DAB	
became TCB, see below, July 1, 1949),	
AID, D/I (AFOIN)	1948-49
Collection Control Branch, Collection Division, D/I	
(AFOIN-C/CC)	1950-52
Technical Capabilities Branch (TCB),	
Evaluation Division, D/I (AFOIN-V/TC,	
later AFOIN-2B3)	1949-52
Special Studies Group (SSG), Office of the Director	
of Intelligence (AFOIN-SSG)	1952-??
Current Intelligence Branch, Topical Intelligence	
Division, Deputy Director for Estimates, D/I	
(AFOIN-2A2)	1952-54
Policy & Mgt Group, Executive Office, D/I	
(AFOIN-1XA then later AFCIN-1XA),	
(later became Policy & Programs Div)	1954-57

Policy & Programs Div (AFOIN-P1A), Asst. Chief of Staff/Intelligence (ACS/I = AFOIN then later AFCIN)

1957-61

(On July 1, 1961, ATIC was removed from AF Intelligence and placed within the AF Systems Command within AF R&D, where it was renamed Foreign Technology Division, FTD, and took BB with it. This reduces the visibility of AF Intelligence UFO activities as seen in the documents in BB files.)

ACS/I division ABA (AFNIN-ABA or AFNIABA)

1961-66

Work in Progress—Dates and details may be constantly adjusted as additional documents are reviewed.

A list of chiefs of Blue Book and its predecessors is difficult to compile and the sheet in the BB files with names and dates is riddled with gross errors. Sometimes it is difficult to distinguish the actual project director from a superior officer very active in project activities. Also, it seems the title "Project Officer" was very loose and could mean whomever was on hand who had worked the UFO desk before and not necessarily the formal project chief on the org charts; sometimes a future BB Chief was groomed by his predecessor for several months and it is unclear whether the successor was already Acting Chief while the Chief stayed on to facilitate the transition. Hence several names *overlap in time* and is not a mistake in the listing below. An "Acting Chief" might be the de facto Chief in reality, as for example Lt Carmon Marano in 1969 even though letters were still written with Lt Col Hector Quintanilla's name still shown as "Chief." Some of the dates are impressions from reading which names appear in memos and correspondence in the files in certain time periods. A very tentative outline of BB chiefs and predecessors would be as follows, based in large part on actual BB files with signed and dated documents:

Names and Dates of Chiefs of UFO Projects at WPAFB (Wright Field)

Name	Project	Office Symbol	Dates (approx.)
	Name	·	
Lt. Col. Edward G. Nabell,	Unnamed	TSNAD (later	July 1947
Jr.	(pre-Sign)	MCIAXD)	
Alfred C. Loedding	Unnamed	TSNAD-2B (later	Aug? – Dec? 1947
	(pre-Sign)	MCIAXD)	
Lt. Col. James C. Beam	Sign	MCIAXD later	Jan? – July? 1948
		MCIAXO-3	
Maj. R. A. Llewellyn	Sign	MICAXO-3	July? – Aug? 2948
Capt. Robert R. Sneider	Sign	MCIAXO-3 later	Sept? – Dec? 1948
		MCIAXS	
Lt. Howard W. Smith	Sign /	MCIAXD later	Aug 1948 ? - Nov ? 1949
	Grudge	MCIAXO-3 /	
		MCIAXS /	
		MCIAXA-1	
George W. Towles	Grudge	MCIAXS	Feb?-Sept ? 1949
James J. Rodgers	Grudge	MCIAXA-1a	March? 1950- May 1951?
J. L. Rohn	Grudge	MCIAXA-1a	Oct 1950 ? – May 1951 ??
Lt. Jerry W. Cummings	Grudge	ATIAA-2a	ca. June? – Oct 22?, 1951
2nd Lt. Henry Metscher	Grudge	ATIAA-2	Oct ? – Oct 22, 1951
Lt (later Capt)	Grudge /	ATIAA-2c later	Oct. 22, 1951 – March?

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Edward J. Ruppelt	Blue Book	ATIAE-5	1953, July 20 – ca. Aug 31,
	(BB)		1953
Lt Robert M. Olsson	BB	ATIAE-5	March – July 31?, 1953
Airman 1C Max G. Futch	BB	ATIAE-5	Aug 1? – Dec 30, 1953
Capt. Charles A. Hardin	BB	ATIAE-5 later	Nov 1953 – ca April 1956
		AFOIN-4E4	
Capt George T. Gregory	BB	AFOIN-4E4	Jan 1956? – Dec 1958?
Major (later Lt Col)	BB	AFOIN-4E4 later	Oct 1958? – ca. Sept 1963
Robert J. Friend		AFOIN-4E4g,	
		AFCIN-4E4g, and	
		TD-E	
Capt (later Lt Col)	BB	TDEW later TDPT	ca. Oct 1963 – Feb 1969?
Hector Quintanilla			
2nd Lt Carmon L. Marano	BB	TDPT	Feb 1969? – Jan 30, 1970

Work in Progress—Dates and details may be constantly adjusted as additional documents are reviewed. (NOTE: There is in the BB files an undated, but from the mid-1960's, "Project Officers on UFO Program" sheet listing BB chiefs and predecessors with alleged dates of term, which is quite erroneous. This same list has been erroneously published by some authors without realizing it is seriously in error.)

Miscellaneous Notes and Cataloging Conventions

Comments such as "No further information in the files" are typically by Berliner. Annotations of "Case missing" are usually from the BB monthly case indexes, sometimes on the BB Record Card (when only the card survives). Uncertainties or discrepancies in reported data such as dates, times, etc., are indicated in brackets [] and/or with question marks [?], and conflicting data from differing sources may be indicated by "cf." in the sources notes.

I am no longer following strict chronological order within a day date, in part because it may seem confusing and in part because time zone standards are not always known. I originally tried to list cases approximately chronologically according to times as converted to GMT or UTC / Z-time, but this has not proved to be possible or practical. It would require multiply listing Z times along with local times and this is utterly confusing and ultimately of little value without full-scale case analyses that cannot be undertaken on all cases.

The local time is more important for indicating lighting conditions than robotically converting all times to achieve some idealistic universal standard GMT/UTC to which no one can relate, or by trying to list both. Similarly I do not use 24-hour clock times as most people myself included do not do all the mental time conversions necessary, so the time data then just gets ignored.

Some date confusion exists on many nighttime cases due to midnight date crossovers (note the dual dates and/or bracketed question mark "[?]" indicators), which will have to be resolved by study of the case files.

Original units of measurement used by the witnesses are always preferred for accuracy and then conversions as needed are presented in parentheses (except angular sizes are usually converted to degree measure or "Full Moon" units and the details if needed can be retrieved from the case file). Statute miles are preferred here, however in many cases military records referring to

"miles" may refer to nautical miles and it is not possible at present to know for certainty which unit was used.

NOTE on Geographic Latitude-Longitude Coordinates: Geographic locations and coordinates have been spot checked but not completely. State abbreviations (U.S.) are applied partially and only when confusion is avoided. Many of the lat-long coordinates are from the Saunders/FUFOR Index and have not been checked; these usually refer to generic coordinates of a city or town and *not* to the exact location of the witness. UFO coordinates are usually never known as accurately as those of the witnesses so *witness coordinates are given* except where noted. The best coordinate data are when the lat-long coordinates are stated as "at" the given lat-long. This means the UFO witnesses were actually located "at" that position and it is not a generic set of coordinates. If locations changed because witnesses were in a moving vehicle the initial coordinates are given first in the geographic location header for the entry and subsequent coordinates are given in the body of the narrative if available.

NOTE ON CATALOGING PROCEDURES: These case entries are *not* final, complete, scientific investigations. This is a *catalog* not an *encyclopedia*. It is by nature a *synopsis* of AF records (as supplemented with non-AF data) in varying stages and states of completeness and incompleteness, with analytical comments and data corrections where possible. This is a spare-time volunteer effort and I have been unable to completely review all ~270,000 pages of BB and AFOSI files and duplicates and supplemental AF files (often both the unredacted Maxwell AFB and redacted NARS copies must be reviewed because of legibility problems, missing pages, etc.). Only about 1/3 of the unredacted Maxwell BB copies are online, so the other 2/3 are presently unavailable. In many cases these are *placeholder entries* awaiting further documentation and/or time and resources to look up the cases online to see if available and then to digest them.

Bare entries of only a few lines, usually referenced to the "McDonald list" or to the "Berliner" catalog of BB Unknowns, are obvious placeholders for which little or no checking has been done

In accordance with normal scholarly convention, bracketed [] material is editorial and analytical inserts not contained within the original BB file (usually my own investigation and analysis). Parenthetical () material is obtainable from the BB file or clearly implied. Analysis at the end of the narrative discussing the case briefly should be obvious as my commentary without use of brackets since it's not an insert comment.

NOTE: The sequential numbering in the 1st column is *not* an identification number for particular cases, and may change from update to update in this BB UNKs Catalog, but is merely an *aid to tallying total numbers*. The BB Case No. is given where convenient (no effort has been made to exhaustively research the numbers), but no guarantee can be made that BB's own numbering is correct and had not been changed sometime during the course of the Sign/Grudge/BB history.

Abbreviations list is at the end.

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No.	BB Case No.	BLUE BOOK UNKNOWNS: Date. Location of Witnesses (when given as "at" a certain Lat-Long the actual coordinates have been checked and are not generic coordinates for a city/landmark). Time. Witnesses & Circumstances. (Prinicipal Sources identifying case as found in BB/predecessor files)	Duration	No. of Wit- nesses	Angular Size (max.) in Full Moons (= 0.5° approx.)	Instruments / Scientists, etc.
1.		Jan. 16, 1947. North Sea, 50 miles from Holland. 10:30 p.m. (GMT). RAF pilot of Mosquito pursued unidentified radar target showing efficient controlled evasive action at 22,000 ft speed equal or greater than Mosquito, headed W? towards Norfolk, Eng. (Sparks; FOIA)		1+		radar
2.		April 1947. Richmond, Virginia (37.55° N, 77.44° W). 11 a.m. (EST). Meteorologist Walter A. Minczewski and Miss Baron saw a silvery disc through a theodolite while tracking a pibal weather balloon, traveling E to W in level flight far to their N at less than 15,000 ft, appearing larger than the balloon. Object was a metallic-like-chrome shape, something like an ellipse with a flat level bottom and a dome-like round top. Disc appeared much larger in size in the theodolite. Miss Baron observed the disc when her balloon was at about 27,000 feet. Minczewski had previous sightings back to Oct 1946. (Sparks; McDonald 1968; FOIA; Saunders/FUFOR Index)		2	[3/4 in theodolit e]	theodolite; meteorolog ist
3.		May 17 [19?], 1947. Oklahoma City, Oklahoma (35.46° N, 97.51° W). 8:30-9 p.m. Field Engineer Savage saw a frosty white round and flat object, with diameter/thickness ratio 10:1, the size of a B-29 [?] (140 ft) traveling N at 350° heading at 10,000-18,000 ft and 3 times speed of a jet [1,800 mph] with a slight swishing sound. (Sparks; FOIA; Saunders/FUFOR Index)	30 mins	1	1?	
4.		June 2, 1947. 2-3 miles S [?] of Rehoboth Beach (near Lewes), Delaware. Pilot Horace P. Wenyon in aircraft flying N at 1,400 ft saw a silvery "mayonnaise jar"-shaped object 15 inches [?] in size cross in front of the plane at 1,000-1,200 mph heading W to E on a straight course at same altitude, with a silver-white fire exhaust. Confusion with previous sightings of "same object" in Sept and Oct 1946. [Daytime meteor?] (Sparks; Project 1947; McDonald list; FOIA; Bloecher 1967)		1		
5.		June 12, 1947. Weiser, Idaho (44.25° N, 116.98° W). 6:15 p.m. Mrs. H. Erickson saw 2 high speed round objects glistening in the sun at high altitude headed SE in trail formation moving up and down twice and leaving a vapor trail that persisted for over an hour. (Sparks; McDonald list; FOIA; Saunders/FUFOR Index; Bloecher 1967)	several secs?	1		
6.		June 14 [23?], 1947. Bakersfield, Calif. (35.37° N, 119.00° W). 12, 2:15 p.m. Veteran pilot Richard Rankin and a young boy saw 10 "almost round" or Flying Flapjack-shaped objects in formation at 9,000 ft and 300-400 mph headed N on a straight level course, then 7 returned on reverse S course at 2:15 p.m. (Sparks; McDonald list; Saunders/FUFOR Index; Bloecher 1967)		2		

					•	
7.		June 21, 1947. Spokane, Wash. (47.66° N, 117.44° W). 11:50 [11:55 PST?] a.m. Civilian woman [Mrs. Guy R. ?] Overman saw 8 [shiny silvery and slim-bodied?] disk-shaped objects the size of a house fly at 600 mph [or slower than a 2-engine army plane?] traveling SSW at 7,000 ft one object below an aircraft, then fall with a deadleaf motion and land before 10 witnesses on the shore of the St. Joe River, Idaho. (Sparks; Vallée Magonia 57; cf. FOIA; Saunders/FUFOR Index; Bloecher 1967)	several mins ?	11		
8.	12	June 24, 1947. Mt. Adams, Wash. Afternoon. Prospector Fred Johnson of Portland, Oregon, was at the 5,000 ft level when he saw a group of 6-7 fast-moving objects [heading SE?], extremely bright on top, with long sharply pointed tails and one waving like a compass needle, flashing when seeming to bank, at perhaps 1° elevation (seemingly 1,000 ft higher and possibly 10 miles away), angular size roughly 0.03° (seeming 30 ft size at 10 miles) viewed through a small pocket telescope, focusing on one object mainly while noting 5-6 others; his compass needle fluctuated. [Probable daytime meteor fireball simultaneous with Kenneth Arnold.] (Sparks; FOIA; Bloecher 1967)	45-60 secs ?	1	1/15 ? (0.3° equiv in telesc??)	telescope; EM?
9.		June 28, 1947. Rockfield, Wisc. (43.24° N, 88.09° W). 3:43 [3:45 CST?] p.m. Marion Beuschler and her brother a farmer saw 7-10 saucer-shaped objects fly overhead heading S at high speed. (Sparks; McDonald list; FOIA; Saunders/FUFOR Index; Bloecher 1967)		2		
10.		June 28, 1947. 30 miles NW of Lake Mead, Nevada (37° N, 115° W). 3:15 [1:15 PST?] p.m. AAF pilot Lt. K. B. Armstrong from Brook AAF, San Antonio, Texas, flying F-51 fighter at 6,000 ft saw a tight formation of 5-6 white circular 3 ft objects off his right wing heading 120° [about ESE] at 6,000 ft at 285 mph. (Sparks; Ruppelt p. 19; FOIA; Saunders/FUFOR Index; Bloecher 1967; FBI files)		1		
11.		June 28 [26?], 1947. Maxwell AFB, Montgomery, Alabama (32.37° N, 86.31° W). 9:20-9:45 p.m. 4 AAF officers including 2 pilots and 2 intelligence officers, Capt. W. H. Kayko, Capt. J. H. Cantrell, Capt. Redman, 1st Lt. T. Dewey, saw a bright light just above the SW horizon travel towards them in a zigzag with bursts of high speed, when directly overhead it made a sharp 90° turn and lost to view in the S [SW?]. (Sparks; Ruppelt p. 19; FOIA; Saunders/FUFOR Index; Bloecher 1967)	25 mins	4		
12.		June 29, 1947. Des Moines, Iowa (42.74° N, 93.74° W) [Clarion, Iowa?]. 3:45 [4:45 CST?] p.m. Bus driver Dale Bays saw a single file line of 4 [18?] "dirty white" round objects between circular and oval in shape, inverted saucer shape about 175-250 ft diameter 12 ft thick, at about 1,200 ft height traveling about 300 mph to the SSE, sound of electric motor or dynamo. Another group of 13 objects seen heading SSE to NNW [later?]. (Sparks; Battelle/BBSR14?; Mary Castner/CUFOS; Saunders/FUFOR Index; FOIA; Bloecher 1967)	few mins		15-20 ?	

13.	June 29, 1947. About 7 miles ENE of Las Cruces, New Mexico (at 32.3° N, 106.7° W). About 1:15 [1:20?] p.m. Rocket scientist-engineer Dr. Carl J. Zohn, Admin Asst., Rocket Sonde Section, USN Naval Research Lab (NRL) temporarily assigned to White Sands Proving Ground (WSPG), NRL high-altitude spectrograph scientist Curtis C. Rockwood and his wife Nancy, and NRL telemetry supervisor John R. [W.?] Kauke also posted to WSPG, were driving in a car from Las Cruces to WSPG to the V-2 launch site on Highway 70 headed NE at 60 mph when they saw to their right front [E] a rotating [?] silvery or shiny disc or sphere with no appendages, wings, tail, propellers, angular size of the sun (0.5°), reflecting sunlight [pulsating?], crossing the sky at high speed heading N right to left at about an estimated 8,000-10,000	nearly 60 secs [30-60 secs?]	4	1	Naval Research Lab rocket scientist
	ft about 45° elevation which suddenly disappeared in midair in a clear cloudless sky (Kauke thought it disappeared by distance). Kauke had stopped the car and briefly saw a short vapor trail at one point not reported by the others. Zohn on the passenger side rolled the window for an unobstructed view. (Sparks; NARA BB Microfilm Roll 1, pp. 648-663, Maxwell Roll 2, pp. 865-878; FOIA; cf. Ruppelt, p. 20; Saunders/FUFOR Index; Randle; Bloecher 1967; etc.)				
14.	June 30, 1947. Near S rim of Grand Canyon, Ariz. 9:10 a.m. (MST?). Navy Lt. William G. [C.?] McGinty flying P-80 from Williams AAF at 30,000 ft heading S saw 2 gray, circular objects about 8 or 10 ft diameter, diving at "unconceivable" speed from about 25,000 ft, which appeared to land 25 miles S of the Grand Canyon. (Sparks; Vallée Magonia 59; cf. Project 1947; FOIA; Saunders/FUFOR Index; Bloecher 1967; FBI files)		1		
15.	July 1, 1947. Chitose AB, Hokkaido, Japan. GCA radar tracked 600+ mph target that made 4 turns with radii of 1-1/2 miles [=30 g's approx.] First detected 16 miles N of Chitose AB heading S at 180° heading then made 180° turn till range of 28 miles. Target then turned left to heading 240° (about WSW) for 6 miles then 180° turn to heading 60° (about ENE), returning to original position at 28 miles N of Chitose AB., them turned to head N at) 0° heading until off scope. (Sparks; TOP SECRET Supp. to Daily Activity Report of AAF Intell, Aug. 8, 1947; FOIA Jan Aldrich)				radar
16.	July 2, 1947. Roswell, New Mexico. 9:50 p.m. (MST). Pharmacist Dan Wilmot, wife, and son Paul, at home in downtown Roswell, 105 S. Pennsylvania Ave. [at SE corner of Pennsylvania Ave. & W. 1st St.?]. Fireball came from SE [directly or almost directly overhead?], heading towards and disappearing over Sixmile Mtn at about azimuth 306° (about NW). Entire object glowed, oval shaped like inverted saucers or washbowls, 15-20 ft in size if at 1,500 ft altitude, estimated speed 400-500 mph. [Speed and altitude indicate angular velocity of ~30°/sec which would be inconsistent with 40-50-sec duration, better fit is with ~10-sec duration. Scaling up to possible terminal meteor fireball altitude ~20 mi thus scales speed to ~36,000 mph, typical slow meteor fireball velocity.] (Sparks; <i>Roswell Daily Record</i> , July 8, 1947)	40-50 secs ? [10? secs]	3	1?	

17 2	7 1-1-2 1047 C4 Durate-ville Heat-ville Maine 2:20	10.15	1	1/4 + 1/2	4
17. 2	3 /	10-15	1	1/4 to 1/2	astronomer
	p.m. (EDT). Astronomer John F. Cole alerted by a roaring	secs		?	
	noise overhead saw about 10 very light colored 50-100 ft				
	wide objects to the N at about 50° elevation in a formation				
	initially about 1.5° wide, with 2 dark forms to their left or				
	2 objects had darker projections somewhat like wings,				
	moving like a swarm of bees to the NW at about 600-				
	1,200 mph through about 30° arc [at about 4-20 miles				
	distance?]. (Sparks; Berliner; McDonald 1968; FOIA;				
	Bliecher 1967)				
18.	July 4, 1947. Near Redmond, Oregon. 11 a.m. C. J.		multi		
10.	Bogne of Tigard, Ore., and other witnesses in a car near		ple		
			pic		
	Redmond saw 4 discs flying past Mt. Jefferson on a				
	straight course at high speed. (Sparks; McDonald list;				
	FOIA; Ruppelt p. 20; Bloecher 1967)				
19.	July 4, 1947. Portland and Milwaukie, Oregon, and	30-90	many		
	Vancouver, Wash. 1:05 p.m. Radio newsman Frank	secs	(13+)		
	Cooley of station KOIN, INS wire service employees in				
	the Portland Oregon Journal Building, Clark County				
	Sheriff's Deputy Fred Krives, Deputy Clarence McKay,				
	Sgt. John Sullivan, Portland Police Officer Kenneth A.				
	McDowell, Harbor Patrol Capt. K. A. Prahn, Harbor				
	Patrolmen A. T. Austad and K. C. Hoff, Portland Police				
	Officers Earl J. Patterson [Paterson?], Walter A. Lissy and				
	Robert Ellis, Oregon Highway Patrol Sgt. Claude Cross,				
	and many others over a wide area saw 5 large discs				
	moving at high speed to the E, 2 flying S and 3 to the E,				
	with oscillating or wobbling motion, sudden 90° turns or				
	zigzagging, radio reports alerted other officers who saw				
	the objects, aluminum or chromium color, disc or hubcap				
	or piepan or half-moon shape flashing in the sun, no vapor				
	trail, no noise (except possible humming), some at 10,000-				
	40,000 ft others at about 1,000 ft. McDowell noticed				
	pigeons reacted. Sullivan, McKay and Krives noted low				
	humming sound and reported 20-30 objects. Cooley				
	reported 12 discs at about 20,000 ft. [Further sightings at				
	2, 4:30, 5 p.m.] Patterson, Lissy and Ellis were pilots.				
	(Sparks; Hynek UFO Rpt pp. 100-2; McDonald 1968;				
	FOIA; Bloecher 1967)				
20.	July 4, 1947. Portland, Oregon. 2 p.m. E. A. Evans saw 3		1		
20.			1		
	metallic discs glinting sunlight, 1 moving W to E,				
	followed by 2 others heading N. [Other sightings at 1:05,				
	4:30, 5 p.m.] (Sparks; Hynek UFO Rpt pp. 100-2;				
	McDonald 1968; FOIA; Bloecher 1967)				
21.	July 4, 1947. Portland, Oregon. 4:30 p.m. Mrs. L. J.		1		
	Hayward saw a silvery disc-shaped object looking like a				
	new dime flipping in an erratic path moving slowly.				
	[Other sightings at 1:05, 2, 5 p.m.] (Sparks; Hynek UFO				
	Rpt pp. 100-2; McDonald 1968; FOIA; Bloecher 1967)				
22.	July 4, 1947. Portland and Milwaukie, Oregon, and				
22.	Vancouver, Wash. [?] 5 p.m. [Other sightings at 1:05, 2,				
	4:30 p.m.] (Sparks; Hynek UFO Rpt pp. 100-2;				
	McDonald 1968; FOIA; Bloecher 1967)	<u> </u>		<u> </u>	<u> </u>

23.	34	July 4, 1947. Near Emmett, Idaho (43.88° N, 116.48° W).	12-15	3	2 ??	
23.	34	9:12 [8:12?] p.m. (MST). United Air Lines Flight 105	mins	3	∠ !!	
1		Capt. Emil J. Smith, First Officer Ralph Stevens,	1111115			
		Stewardess Marty Morrow who was called in by Smith as				
		a confirming witness, flying NW on heading 300° from				
		Boise to Seattle at about 7,000 ft, saw 5 disc-shaped				
		objects with flat bottoms and rough tops (possibly 100+ ft				
		size) move at varying speeds, in loose formation [or				
		evenly spaced?] roughly 1,000 ft higher in altitude about				
		10° left of their heading [or at 290°], with one high and to				
		the right of the others in the distance, all disappearing to				
		the W [NW?] in a gradual climb at about 9:20 p.m. as 5				
		[4?] additional similar objects came into view slightly				
		higher heading W [or took off to the NW; 3 objects in a				
		line with 1 off to the side]. Smith tried to close on the				
		objects at 185 mph as he climbed from 7,000 to 8,000 ft				
		but could not. (Sparks; Berliner; cf. McDonald 1968;				
		Bloecher 1967; FBI files Maury Island)				
24.	36	July 6, 1947. Fairfield-Suisan Air Base, Calif. (38.25° N,	1 min	2	1 ?	
∠4.	30	121.99° W). Daytime. AAF Capt. and Mrs. James H.	1 111111	<i>L</i>	1 !	
		Burniston saw a highly reflective round flat object having				
		no wings or tail, the size of a C-54 transport (118 ft) roll				
		from side-to-side 3 times then fly away very fast from NW				
		to the SE [SW?] at 10,000 ft. (Sparks; Berliner; Bloecher				
		1967)				
25.		July 6, 1947. Clay Center (about 100 miles W of Kansas		>2 ?		
25.		City), Kansas (39.32° N, 97.13° W). 1:45 p.m. AAF pilot		- 2 :		
		Major A. B. Browning and crew flying B-25 E to Kansas				
		City saw a silvery circular object 30-50 ft diameter pacing				
		the aircraft at a little lower altitude then shot off at high				
		speed heading E at 11,000 ft at 210 mph. (Sparks; Project				
		1947; FOIA; Bloecher 1967)				
26.		July 7, 1947. Lakeland, Florida (28.05° N, 81.94° W).		1?		
		Bet. 1-2 p.m. (EST). Sign painter Griffin saw 5 round		•		
		shiny objects in the NE climbing at 7,500 ft; shrill noise				
		heard. (Sparks; Battelle/BBSR14?; Mary				
		Castner/CUFOS; Saunders/FUFOR Index)				
27.		July 7, 1947. Hickam Field, Hawaii (21.34° N, 157.95°		1		
		W). 9 a.m. Civil Service employee Saito saw a large				
		silver balloon-like object with silvery disc [attached?]				
		immediately beneath it without attaching cables slowly				
		ascending to the NW at 6,000 ft. (Sparks; McDonald list;				
		FOIA; Saunders/FUFOR Index)				
28.		July 7, 1947. 7 miles N of Shreveport, Louisiana.	5 mins	1	1	
		Morning. Military aircraft pilot, enlisted man, saw a				
		bright silver object about the angular size of the moon.				
		[Not to be confused with the prank hoax observed at 6:05				
		p.m. in downtown Shreveport by F. G. Harston aka				
		Hariston aka Hairston, with recovered hoax object				
		manufactured by M. H. Swor.] (Sparks; Jan Aldrich				
		Project 1947 citing Shreveport Times; McDonald list)				
				l e		

20	1	T 1 = 1015 35	1 4 -	4 -	1/100	1
29.		July 7, 1947. Muroc Army Air Field, Calif. (34.89° N,	4-5	4-6	1/10 ?	
		117.88° W). 10:10 a.m. AAF experimental test pilot	mins?			
		Major Jowell C. Wise while powering up an XP-84 jet on				
		the 10,000-ft runway at W side of Rogers Dry Lake near				
		Area 1 looked up where others (Oliver Earl Cooper and 2-				
		3 others) were looking and saw to the N [or E] at about				
		25°-30° elevation, possibly at 10,000 ft, a yellowish-white				
		sphere about 5-10 ft diameter oscillating in a "forward				
		whirling" motion without losing altitude at about 10,000-				
		12,000 ft altitude moving W to E [or E towards ESE] at				
		about 200-225 mph. Stopped at one point then continued				
		in horizontal flight. [Sightings at Muroc next day.]				
		(Sparks; BB files; FOIA; McDonald Papers)				
30.		July 7, 1947. East Troy, Wisc. 11:45 a.m. (CST).	15 secs	2		
30.			13 8008			
		Military and civilian witnesses sighted saucer-shaped				
		object descending vertically on edge through the clouds,				
		stop at 4,000 ft, assume horizontal orientation (and stop?)				
		and fly horizontally for 15 secs, covering 25 miles, then				
		stop again and disappear. Case file missing. (Sparks; BB				
		files)				
31.		July 7, 1947. East Troy, Wisc. 2:30 p.m. (CST). (Repeat	20 secs	2		
		of preceding East Troy sighting?). Case file missing.				
		(Sparks; BB files)				
32.		July 7, 1947. Arlington, Virginia (38.91° N, 77.09° W).			6?	
		Bet. 10:30 and 11 p.m. (EDT). AAF Lt. Col. Cobb saw a				
		"blob," the size of a small airplane, reflecting white light				
		flying at less than 500 ft above ground to the SE at about				
		1,350 mph. (Sparks; FOIA; Saunders/FUFOR Index)				
33.	50	July 8, 1947. Muroc Army Air Field, Calif. (34.89° N,	3-4 mins	9		
		117.88° W). 9:30 a.m. (PDT). AAF 1st Lt. Joseph C.	+?			
		McHenry, T/Sgt Joseph Ruvolo, S/Sgt Gerald E. Nauman,				
		and Miss Jannette Marie Scotte, saw 2 disc-shaped or				
		spherical objects, silver and apparently metallic, fly a wide				
		circular pattern [?] at about 7,000-8,000 ft at 300-400 mph				
		heading 320° (about NW) toward Mojave, Calif. Before				
		the first 2 objects disappeared a 3rd similar disc or				
		spherical silver object reflecting sunlight was seen, with				
		additional 5 witnesses, to the N flying tight circles at about				
		7,000-8,000 ft beyond capability of known aircraft,				
		maintaining altitude. No sound or trails. [See sightings at				
		Muroc later in the day and previous day.] (Sparks; BB				
		files; FOIA; Berliner)				

34.	July 8, 1947. Muroc Army Air Field, Calif. 11:50 a.m12 noon. AAF experimental test pilot Capt. John Paul Stapp, Mr. Lenz from Wright Field and 2 others in an observation truck at Area 3 of Rogers Dry Lake for a P-82 ejection seat test saw a round silver or aluminum-white object at first thought to be a parachute, about 25 ft wide, falling from a height below the 20,000 ft of the test aircraft at 3x the rate for an ejection seat test, drifting horizontally toward Mt.	8 mins	7+	1/5 ?	triangulatio n?
	Wilson (to the S) at less than 50-80 mph, which when close to horizon appeared to have an oval outline with 2 thick fins or nobs on the upper surface which seemed to rotate or oscillate, no propellers, slowly disappearing below the mountain tops in the distance after 90 secs. Others witnesses independently, including Muroc Commanding Officer Col. Signa A. Gilkey (only momentarily and thought it was piece of paper) and engineer Major Richard R. Shoop and wife [and Capt. Harry D. Black?] saw from a different location 5-8 miles away to the N [?] the apparently same falling object, thin metallic aluminum colored and the size of a pursuit aircraft [50 ft?], reflecting sunlight and oscillating, descend to ground level, then rise again and move slowly				
	off in the distance for a total of 8 mins. No sound or trail. [See sightings at Muroc earlier and later in the day and previous day.] (Sparks; BB files; FOIA; Vallée Magonia 60)				
35.	July 8, 1947. 40 miles S of Muroc Army Air Field. 4 p.m. AAF pilot of an F-51 fighter at about 20,000 ft saw a flat reflective object with no vertical fin or wings flying high above him which he could not reach in a climb. [See previous Muroc sightings.] (Sparks; Ruppelt p. 22)		1		
36.	July 9, 1947. Bet. Meridian and Boise, Idaho (at 43.6° N, 116.3° W). 12:17 p.m. (MST?). <i>Idaho Statesman</i> aviation editor and former AAF B-29 pilot Dave Johnson flying E [ESE?] in an 190th Fighter Squadon, Idaho Air National Guard, AT-6 at 14,000 ft ASL (11,000 ft AGL) saw to his left [NE?] a black disc, standing out against the cumulus cloud bank, make a half-roll then a stair-step climb to the right, saw it on edge as a thin black line when it flashed sunlight. Took 10 secs of 8 mm movie film of object while turning AT-6 broadside and opening the canopy to film without distortion, but film did not show UFO apparently because too small in angular size. Object seen against background of cumulus clouds with base at 13,500 to 14,000 ft ASL about 70 miles to the ESE over Camas Prairie near Fairfield, Idaho. 3 ANG pesonnel and at least one United Airlines person at Gowen Field, Boise, sighted a similar black object maneuvering erratically against the same cumulus cloud formation over Camas Prairie at 2:00 p.m. (Sparks; Berliner)	10-30 secs	1	1/5 to 1/10 ?	
37.	July 10, 1947. Harmon Field, Newfoundland, Canada (48.54° N, 58.56° W). Bet. 3 and 5 p.m. [or 5:30 p.m. (ADT)]. 3 ground crewmen, A. R. Leidy, J. N. Mehrman, and J. E. Woodruff, of Pan American Airways, briefly saw a translucent disc or silvery wheel-shaped object the size of a C-54 transport fly very fast at 10,000 ft, leaving a dark bluish-black trail, then ascend and cut a path through the clouds. (Sparks; Berliner; FOIA)		3	1	photo

38.		July 10, 1947. Near Ft. Sumner, New Mexico. 4:47 p.m.	2 1/2	4	1/6	Lincoln
20.		Dr. Lincoln LaPaz with wife and 2 teenage daughters were	mins	•	1,0	LaPaz,
		driving W on Hwy 60 when they saw a sharply outlined,				world's
		white ellipsoidal seemingly luminous 200 ft object (±40 ft,				leading
		major/minor axis ratio 2.45) wobbling in the distance to				investigator
		the W [probably 272° azimuth initially] about 25 miles				of aerial
		away (±5 miles; distance from triangulation of the cloud				phenomena
		bank by driving around it by about 90° over 50 miles				
		along Hwy 84 and from weather data). Object stayed				
		about 30 secs almost motionless at a low speed of about				
		150 mph (±30 mph) then disappeared behind a cloud at				
		273° azimuth elevation 1° but reappeared 5 secs later				
		further to the right, or N, and higher at 275° azimuth 2°				
		elevation, about 1 mile distance traveled thus an average				
		speed of roughly 600-900 mph [peak velocity about 1,400				
		mph at about 13 g's], but no sound, no trail. Object				
		continued to slowly drift N about 2 mins [in level flight]				
		until disappearing in the cloud bank [at about 287°				
		azimuth]. (Sparks; LIFE Incident 2; Hynek astronomer				
39.		survey Aug. 1952; etc.) July 11, 1947. Elmendorf Air Base, Anchorage, Alaska		3?	2/3 ??	
39.		(61.25° N, 149.80° W). AAF Colonel Perry (?) plus		3!	2/3 !!	
		another witness Guyer, saw a round 3 ft aluminum object				
		travel at great speed to the S. At 6:30 p.m. (AHST) [July				
		12?] AAF Major Graham saw a balloon-like grayish 10 ft				
		object headed NW at 100 mph at 1,500 ft. [Same				
		incident?] (Sparks; McDonald list; FOIA;				
		Saunders/FUFOR Index)				
40.		July 29, 1947. Canyon Ferry, Montana (Helena? 46.6° N,			1/10	
		112.01° W). 12:05 p.m. Observer Madden saw hovering				
		and fluttering, rising and descending thin 3 ft gleaming				
		and shimmering object heading BE at 3,000 ft height at				
		tremendous speed. (Sparks; McDonald list;				
		Saunders/FUFOR Index)				
41.	69	July 29, 1947. Hamilton Field, Calif. (38.07° N, 122.51°		2	1/5 - 2/5	
		W). 2:50 p.m. (PDT?). Assistant Base Operations Officer				
		Capt. William H. Ryherd and ex-AAF B-29 pilot 1st Lt.				
		Ward Stewart saw for unknown length of time two round,				
		shiny, white objects with estimated 15-25 foot diameters,				
		fly 3-4 times the apparent speed of a P-80, also in sight, (or at 750 mph), at 6,000-10,000 ft heading S or SE at				
		120°. One object flew straight and level; the other weaved				
		from side-to-side like an escort fighter. (Sparks; Berliner;				
		FOIA; Saunders/FUFOR Index)				
42.		Aug. 4, 1947. Between Bedford Radio Beacon and	30 secs	2	1/5	
.2.		Everett, Mass. (42.36° N, 71.06° W) (or 10 miles NW of	2 3 5005	_	1,5	
		Boston). 4 p.m. While flying at 265 mph at 8,000 ft,				
		heading 244° Magnetic, Pan Am airliner pilot A. C.				
		Powell and navigator White saw 45° to the left [of their				
		course?] a bright orange or deep-gold colored blunt				
		cigarette-shaped (or elliptical) object the length of a P-40				
		fuselage [or 15? ft long 2-3 ft wide?] flying at 150 (or 175)				
		mph at 7,800 [7,000?] ft to the S [E?] at about a course of				
		200° [110°?] magnetic. (Sparks; Sign Microfim Roll 8, p.				
		348; Project 1947; McDonald list; FOIA;				
		Saunders/FUFOR Index)				

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10.00	
43.	Aug. 4, 1947. 10 miles NW of Bethel, Alaska (60°47' N,	4 mins	2	10 ??	
	161°50' W). 8:20 p.m. (Bering Standard Time). Pilot	(5? mins)			
	Capt. Jack Peck and copilot Vince Daly with Al Jones				
	Flying Service flying a DC-3 saw a smooth surfaced				
	"discus like" (or like rear view of C-54 without motors or				
	lie a Flying Wing) black object as large or larger than a				
	DC-3 with no visible means of propulsion silhouetted				
	against the brilliant sunset sky [sun set at 8:17 PM BST at				
	azimuth 309° in the NW], at about their altitude, which				
	crossed their flight path at right angles at 500-1,000 ft				
	height [or they could not determine its direction of flight				
	and climbed to avoid collision and pulled in behind the				
	object and then were able to see object was moving away				
	from them]. They averted collision by climbing to 1,200 ft				
	[from 1,000 ft?], then turned in pursuit at IAS 170 mph				
	but the object flew out of sight at 3x their speed				
	maintaining the same altitude [off to the NW at about 500				
	mph]. (Sparks; Project Sign Microfilm Roll 1, pp. 599-				
	608)				
44.	Aug. 13, 1947. 40 miles SW of Twin Falls [at Salmon		2	1/6 to	
	Dam?], Idaho. 9:30 a.m. County Commissioner L. W.			1/10 ?	
	Hawkins and Mr. Brown while fishing saw 2 disc-shaped				
	objects 6 ft diameter reflecting light and making the echo				
	of a motor, at 4,000-6,000 ft flying at high speed. (Sparks;				
	McDonald list; FOIA; Saunders/FUFOR Index)				
45.	Aug. 13, 1947. Snake River 6 miles W of Blue Lake	5 secs?	3	8	triangulatio
	Ranch, 9 miles NW of Twin Falls, Idaho. 1 p.m. A. C.				n
	Urie on land and 2 sons Billy and Keith 300 ft away in a				
	boat, all on the S side of the river or river bank looking to				
	the N, saw a squeezed or elongated straw-hat shaped sky-				
	blue object about 10 x 10 x 20 feet, with pods on the side				
	emitting red flames, about 1/2 mile away fly towards them				
	down the canyon at 1,000 mph E-W at 75 ft height, with a				
	contour following motion up and down over uneven				
	terrain, trees swaying underneath with a circular motion,				
	disappearing with a swish sound. Urie was about 300 ft				
	from the object which was about level with him about 75				
	ft above the river, and silhouetted against the canyon wall				
	1,200 ft away, disappearing behind a hill about 1 mile				
	away. Object was at about 45° elevation to the boys on				
	the river below him, disappearing behind trees. (Sparks;				
	Maxwell BB Microfilm Roll 3, pp. 73-84; NARA BB				
	Microfilm Roll 2, pp. 198-208; BB PR Microfilm Roll 1,				
	pp. 663-673; Sign Microfim Roll 8, p. 349-351; Battelle				
	Unknown No. 9; FOIA; Saunders/FUFOR Index)				
46.	Aug. 14, 1947. Harmon Field, Newfoundland, Canada.		3		1
40.	10:40 a.m. 3 AAF airmen with the 147th AACS Sq saw 2		3		
	<u> </u>				
	small crescent-shaped objects pass over them on a zigzag				
	path at 2x jet speed [1,200 mph?] heading W at about				
	1,200 ft disappearing into clouds, a few secs later a same				
	or similar object emerged from the clouds and continued				
47.	to the W. (Sparks; FOIA) Aug. 14, 1947. 5 miles S of Placerville, Calif. 4 p.m.			2/5 - 1	
4/.	Insurance adjuster Switzer saw a metallic highly-polished			2/3 - 1	
	chromium surface object 4-6 ft wide 10-14 inches thick,				
	rounded slightly on top larger in the front, leaving a white				
	trail, at 500-1,000 ft height traveling at high speed. (Sparks; McDonald list; FOIA; Saunders/FUFOR Index)				
1	(Sparks, McDonaid list, FUIA, Saunders/FUFUK Index)	Ĩ		ĺ	1

Aug. 15, 1947. Weaver, Minn. 9:30 p.m. [?] Nocturnal light. (Sparks; Saunders/FUFOR Index) 49. Aug. 15-20 (approx.), 1947. Rapid City Air Base [Weaver?], South Dakota. Major Hammer sitting in the parking lot near the flight line shortly after dark saw to the NW about 12 elliptical objects about the span of a B-29 (140 ft) with a yellow-white luminous glow in a tight diamond formation, approaching in a shallow descent, level off at about 5,000 ft altitude [height?] at 300-400 mph, make a gentle 110° turn to its right about 4 miles	1 min ??	1	3/4	
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level off at about 5,000 ft altitude [height?] at 300-400				
I mon. make a genue 110 turn to its right about 4 miles				
away climbing to the SW, accelerating rapidly. No sound				
or trail. (Sparks; FOIA; Saunders/FUFOR Index)				
60. Aug. 18, 1947. Near Mountain Home, Idaho. 12 p.m.		2		
United Airlines Flight 147 pilot and copilot saw 2 "skeet		2		
target" shaped objects flying under the plane. (Sparks;				
Project 1947) 51. Aug. 19, 1947. Twin Falls, Idaho (42.57° N, 114.46° W).		1		
Aug. 19, 1947. Twin Falls, Idaho (42.57° N, 114.46° W). 9:30 p.m. Housing Authority Executive Director		1		
Hedstrom saw 55 [?] [luminous?] objects in horizontal				
flight looking like electric lights headed NE at tremendous				
speed. (Sparks; McDonald list; FOIA; Saunders/FUFOR				
Index)				
Aug. 28, 1947. Shika Island, Fukuoka, Japan (at 33°41'		1		
N, 130°18' E). 4:40 (or 5:00) p.m. Radar Site No. 1 of		1		
610th ACW Sq tracked target on CPS-1 radar traveling				
480 mph. (Sparks; McDonald list; FOIA Jan Aldrich)				
53. 83 Late Aug. 1947. Alamogordo [Holloman] Army Air		2+		radar
Field, New Mexico. AMC Watson Labs Project MOGUL		2 '		radar
engineer P. Rosmovski tracked a stationary target at 200				
miles altitude using a modified CPS-4 height-finder radar				
aimed at 70° elevation. [Normally a CPS-4 requires a				
crew of 6 operators so there may have been other				
witnesses.] (Sparks; Sign Microfilm Roll 2, pp. 363,				
367-8; FOIA; Loren Gross Aug-Dec 1947 Supp. p. 28;				
Project 1947)				
54. Late Aug. 1947. Alamogordo [Holloman] Army Air	secs	1 [3?]		binoculars
Field, New Mexico. AMC Watson Labs Project MOGUL		F J		
communications officer 1st Lt. Herbert G. Markley while				
watching 2 balloons with radar reflector to the SE in 10x				
binoculars saw traveling at "unprecedented rate of speed"				
a round white object in horizontal flight S to N several				
thousand feet over the tops of Sacramento Mtns. [Case				
radar observation was involved. Possible additional				
project.] (Sparks; BB Microfilm Roll 2, pp. 931-3; Sign				
Microfilm Roll 2, pp. 366; FOIA; Castner/CUFOS;				
orig ed p. 25; Project 1947)				
55. 85 Sept. 3, 1947. Lake Oswego, Oregon. 12:15 p.m. (PDT).		1		
Housewife Mrs. Raymond Dupui saw 12-15 round, silver				
objects fly an unstated pattern for unknown length of time.				
(Sparks; Berliner; FOIA)				
falsely explained by AF as "false radar targets" when no radar observation was involved. Possible additional witnesses AMC Watson Labs MOGUL Project Scientist Dr. James W. Peoples, and Joseph Olsen also of same project.] (Sparks; BB Microfilm Roll 2, pp. 931-3; Sign Microfilm Roll 2, pp. 366; FOIA; Castner/CUFOS; Loren Gross Aug-Dec 1947 Supp, p. 28; July-Dec 1949 orig ed p. 25; Project 1947) 85 Sept. 3, 1947. Lake Oswego, Oregon. 12:15 p.m. (PDT). Housewife Mrs. Raymond Dupui saw 12-15 round, silver		1		

		_	1			1
56.		Sept. 8, 1947. Logan [Salt Lake City?], Utah (41.74° N,		2		
		111.84° W). 10:30 or 11 p.m. Anderson and Hall saw 5				
		groups of a total of 12 [?] white or yellowish objects				
		traveling at high speed to the N at 2,000-3,000 ft height,				
		faster than birds, size of pigeons [?] (Battelle/BBSR14 ?;				
		Mary Castner/CUFOS; Saunders/FUFOR Index)				
57.		Sept. 12, 1947. Midway Island to Oahu, Hawaii, [about	6 secs	2		
		90 miles] past Necker Island (23°34' N, 164°42' W). 6:58				
		p.m. (Bering Standard Time). Capt. Stanley S. Griffin,				
		pilot, and 2nd Officer Edward B. Polhemus on Pan Am				
		airline flight [military air flight?] heading east at 110°				
		True at 9,000 ft and 205 knots (236 mph) saw a bright				
		white light with no blue or red tinge about 60° to the right				
		[2 o'clock position] about 5 miles away, first heading 350°				
		(almost due N), approaching to 1 mile while increasing in				
		apparent brightness still on the right side of the airliner.				
		When pilot switched [or was about to switch?] from				
		autopilot to manual the object "abruptly" changed course				
		to 109° [paralleling course of airliner to within 1°?] while				
		maintaining altitude at 9,500-10,000 ft then split into 2				
		reddish objects about a "wing length" (100 ft?) apart then				
		disappeared traveling at 1,000 knots (1,200 mph), burning				
		out about 30 miles ahead of airliner. Possible meteor				
		fireball. (Sparks; McDonald list; Project 1947; FOIA;				
		BB Sign Microfilm Roll 1, pp. 611-7)				
58.		Sept. 17, 1947. Ft. Richardson, Alaska (61°15' N, 149°41'				
		W). [Army officer saw a 2-3 ft silver sphere traveling S at				
		tremendous speed below the 10,000 ft cloud cover.]				
	0.1	(Sparks; McDonald list; Mary Castner/CUFOS)				
59.	91	Oct. 1947. Dodgeville, Wisc. 11 [a.m.?]. Unnamed	1 hr	1		
		civilian man saw an undescribed object fly				
60		counterclockwise circles. (Sparks; Berliner)		10		
60.		Oct. 8/9, 1947. Las Vegas, Nevada (36.17° N, 115.17°		1?		
		W). Daytime. [AAF reserve Capt. Moore saw an object				
		traveling at 700 mph leave an almost white smoke/vapor				
		trail and change direction from SE to W.] (Sparks;				
<i>L</i> 1		McDonald list; FOIA; Saunders/FUFOR Index)		mon		
61.		Oct. 12, 1947. Guadalupe, Mexico. 9:30 a.m. (CST). Numerous witnesses saw a cigar-shaped, blue and silver		many		
		color fireball trailing blue flame heading E to W plunge to				
		earth resembling an errant V-2 rocket and appearing to				
		head for impact in the Zamalayuca Mtns. with a billow of				
		smoke and loud explosion. Mexican Army reserve Capt.				
		Aranda saw the fireball from the Hernandez Torres filling				
		station near Caseta and saw it disappear over the sandhills				
		near Colonia Reforma. No meteorites or other remains				
		found in saerches. (Sparks; Loren Gross, Jul-Dec 1947 p.				
		38; 1947 pp. 69-71; SUPP Aug-Dec 1947 pp. 44-45;				
		Mary Castner/CUFOS; Saunders/FUFOR Index)				
62.	95	Oct. 14, 1947. 11 miles NNE of Cave Creek, Ariz. 12:11	45-60	2	1/25	
02.		p.m. (MDT). Ex-AAF fighter pilot J. L. Clark, civilian	secs		1/40	
		pilot Anderson, from the ground saw 3-foot [?] "flying	3003			
		wing," black against the white clouds and red against the				
		blue sky, at about 25° elevation, flying straight at an				
		estimated 350 m.p.h., at 8,000-10,000 ft, from NW to SE.				
		(Sparks; Berliner; Saunders/FUFOR Index)				
<u> </u>	!	(Spains, Berniner, Saunaers/1 Of Ort mack)	Ļ	L		t

63.	Oct 20 1047 Varia Ohio (20 600 M 02 040 M) 11			
03.	Oct. 20, 1947. Xenia, Ohio (39.69° N, 83.94° W). 11			
	a.m. Atkinson saw a round 1 ft object at 1,500 ft heading			
	SW on a straight course. (Sparks; McDonald list; FOIA;			
64.	Mary Castner/CUFOS)			
64.	Oct. 20, 1947. Dayton, Ohio (39.75° N, 84.18° W). 1:20			
	p.m. Farmer Britton saw 2 cigar-shaped objects reflecting			
	brilliant sunlight traveling W to E on a straight course at			
	high speed about 1 mile height in trail formation about a			
	city block apart emitting a slight vapor trail, disappearing			
	suddenly. (Sparks; McDonald list; FOIA; Mary			
	Castner/CUFOS)		10	
65.	Nov. 2, 1947. Anderson Rd., Houston, Texas (29.76° N,		1?	
	95.36° W). Daybreak. Immigration Service [agent?]			
	Brimberry saw an almost round or oval or saucer-shaped			
	object with bright light [?] about 100 ft [?] diameter			
	spinning in its descent. (Sparks; McDonald list; FOIA;			
	Saunders/FUFOR Index)		1.5	
66.	Nov. 12, 1947. 40 miles N [S?] of Cape Blanco, Oregon,		1?	
	20 miles off coast. Early morning. USS Ticonderoga			
	USN 2nd Officer Williamson saw 2 balls of fire with a			
	fiery trail headed NW at 700-900 mph. [Probable			
	meteors.] (Sparks; McDonald list; FOIA;			
	Saunders/FUFOR Index)			
67.	Dec. 30, 1947. 1 mile W of Pilot Hill, Calif. (at 38°50' N,		multi	
	121° 2' W). 7:25 p.m. (PST). Crew of McClellan Field C-		ple	
	47 saw a high speed low altitude object trailing red, green			
	and other colored flames headed E over hills. At 7:37			
	another C-47 crew sent to investigate found the triangular			
	fire area with 2 points emitting bright blue-green flames at			
	the position reported by the first crew at 38°50' N, 120°53'			
	W. At 7:58 the first C-47 crew found this growing ground			
	fire about 7 miles E of Pilot Hill, at 38°50' N, 120°53' W,			
	going out at 9:55 p.m. If flight path data was reversed to E			
	to W this might be the "Green Dragon" Fireball, a possible			
	precursor to the Green Fireballs. (Sparks; Jan Aldrich			
(0)	FOIA; BB files)	2 -		
68.	Dec. 30, 1947. Sawtooth Nat. Forest, Idaho (at 42° 9.3' N,	2 secs	2	
	114°22.2' W). 7:26 p.m. (PST). Pilot AF Lt. Col. W. W.			
	Jones, and copilot Major A. A. Andrae, both of the Air			
	Transport Command (Eastern Pacific Wing, Pacific			
	Division) flying a C-54 from Great Falls to Fairfield-			
	Suisun Field at 13,000 ft saw a high speed object trailing			
	green and blue flames descending vertically at their 2:30			
	o'clock position, but slowing just above the ground.			
	Possibly the "Green Dragon" Fireball, a possible precursor			
	to the Green Fireballs. (Sparks; Jan Aldrich FOIA; BB			
	files)			

Jan. 7, 1948. Central and south-central Kentucky, near Ft.	2 hrs 50	50+	½ to ¼ to	theodolite
Knox and other sites. About 1-3:50 and 4:45-7:06 p.m.	mins + 2		1/10	+
(CST). Mantell case. At about 1:00 p.m., Kentucky State	hrs 21			binoculars
Police phoned USAF Godman Field Commanding Officer	mins			
Col. Guy F. Hix's office reporting an unidentified object				
near Elizabethtown, Ky., (15 mi S of Godman). Another				
call to Godman's CO came from State Police at about 1:10				
p.m. of observation by civilian in Madisonville (90 mi				
WSW of Godman) through Finch telescope of cone-				
shaped object, estimated 100 ft high by 43 ft wide, height				
4 miles, speed 10 mph. This was apparently the Skyhook				
balloon Flight B, 70 x 30 ft, height 15 miles, speed 27				
mph, heading 150° about SE, which passed about 40 miles				
to SW-SSW of Madisonville at 12-1 p.m. thus was within				
visibility range. Then still another call came from				
Lexington (80 mi E of Godman and far beyond visibility				
of the Skyhook balloon), the first of about 35 calls				
received by Hix's office. At 1:20 p.m. another report of				
[another UFO] a 250-300 ft unidentified "circular" object				
over Mansville [Maysville? 120 mi ENE of Godman?],				
Ky., moving W at "a pretty good clip" [300 mph??],				
sighted by State Police first radioed then phoned (at 1:30?)				
to Ft Knox Military Police and Godman Field CO Col.				
Hix. Between 1:20 and 2 p.m., Army Flight Service				
reported to Godman Army Air Field Control Tower, Ft.				
Knox, Ky., (37°54'23" N, 85°58'00" W, about 725 ft				
elevation) that the object was over Irvington (15 mi W of				
Godman) then Owensboro (60 mi W of Godman), Ky.				
[possibly 130 mi from Maysville to Irvington in 20-30				
mins = $260-390$ mph or roughly 300 mph]. Godman				
Tower operator Tech/Sgt Quentin A. Blackwell, Capt				
James F. Duesler, Jr., base air inspector Lt Col. E.				
Garrison Wood, and other USAF personnel sighted round				
white or silver or ice-cream cone-shaped UFO with				
revolving red streamer, to the S from base [apparently the				
same object hovering near Elizabethtown 15 mi S of				
Godman] beginning at 1:50 p.m., including many others				
such as Ops Ofcr Capt Cary W. Carter at 2:07 p.m				
onward and Col. Hix beginning about 2:10 p.m.				
Approaching flight of 4 F-51D fighters came from the				
SSE, led by Kentucky ANG pilot Capt Thomas F. Mantell,				
Jr., who was overheard by Godman Tower giving radio				
position report to their home base Standiford Field,				
Louisville, Ky., at 2:50 p.m. Godman broke in over the				
radio to request Mantell intercept and identify UFO at				
about 210° azimuth from Godman Tower (soon corrected				
to 205°), "slightly lower" than the sun [at about 14°] as				
reported by Mantell's wingman [thus about 10-12°				
elevation, altitude about 15,000 ft]. UFO maintained				
constant angular position including elevation angle as seen				
from Godman Tower as it apparently receded on azimuth				
heading 205°, during most of Mantell's pursuit, which				
required altitude of 50,000 to 60,000 ft to be reached at				
60-70 miles distance at a recession velocity of about 240				
mph, increasing to 300 mph when Mantell approached, but				
otherwise still maintaining constant position in the sky to				
Godman observers. Flying at 300 mph and gradually				
climbing to about 22,000 to 23,000 ft, Mantell overtook				
the UFO from below, past Bowling Green about 70-75				
miles from Godman, at about 3:10 p.m. when in one of Mantell's last radio reports to Godman ² Fower he described				
UFO as "metallic and tremendous in size." Mantell went into war emergency (combat) maximum climb rate [2,000]				
into wai emergency (compar) maximum ciimp rate (2.000			1	

70	I. 7 1040 I. 11 AFD C.1. 1. O1.	40	<i>-</i> -	1/2 / 50	1
70.	Jan. 7, 1948. Lockbourne AFB, Columbus, Ohio, and	40 mins	5+	1/3 to 5?	
	Clinton County Air Base, Wilmington, Ohio. 7:15 p.m.				
	(EST). Lockbourne Tower operators, Air Traffic				
	Controller and pilot Alex A. Boudreaux and VHF DF				
	Operator and amateur astronomer Frank M. Eisele, 103rd				
	AACS Sq, sighted an bright object to the SW of the				
	airfield which appeared and disappeared intermittently.				
	Fighter pilot USAF Capt. Charles E. McGee, Asst.				
	Operations Ofcr., Lockbourne AFB, sighted the object on				
	runway 23 landing approach when he was at about 1800 ft				
	and the light seemed to be at about 3,000 ft to the SW				
	about 4-5 miles away, later on the ground sighted it to the W about 6-7 miles away. USAF VHF Direction-Finding				
	(DF) Operator and pilot Albert R. Pickering, Detachment				
	733, 103rd AACS Sq, Lockbourne AFB, was awakened by				
	the sudden emergence of a lighted amber-color round or				
	oval object about the size of a C-47 or larger [60+ ft]				
	dropping out of the overcast bank 10,000 ft overhead.				
	Lockbourne Control Tower at the same time radioed report				
	of the object, which then maneuvered over to Commercial				
	Point about 3-5 miles away to the WSW, then made 3 full				
	360° circles over one spot in 30-40 secs per turn diameter				
	about 2 miles [about 600-700 mph at 7 g's centripetal				
	acceleration] over the runway, at a speed of 500+ mph,				
	leaving a luminous amber-colored tail or exhaust about 5x				
	its length. Then the UFO went to another location [?] and				
	did more 360° turns estimated 2 mi turn diameter at 3-5 mi				
	distance [roughly 30° diameter]. Disappeared into the				
	overcast at one point for 1 min then reappeared. Just				
	before departing UFO hovered or "appeared to touch				
	down" on the grass extension past the end of the				
	Lockbourne AFB runway for 10 secs then left at 120°				
	(ESE) heading into the overcast. Also sighted by pilot of				
	USAF 9944 a C-45 at 5,000 ft off right wing at 7:53 p.m.				
	Some observations in the SW possibly planet Venus				
	setting. (Sparks; APRO 1977; BB Sign Microfilm Roll				
	1, pp. 245-265; NICAP)				
71.	Jan. 9, 1948. Near Cartersville, Georgia (at 34°10' N,				
	84°49' W). 11:30 p.m. Eastern Airlines DC-3 airliner				
	pilot? DuBose saw a blue circular flame pass the plane,				
	turn, then blink [out?]. (Sparks; Project 1947;				
	Saunders/FUFOR Index)				
72.	Jan. 10, 1948. Wildwood, New Jersey. 8 or 10 p.m.		1		
	Knitting designer saw a "saucer" or "queer light" approach				
	from the ocean then rise and fall slowly, departed at high				
	speed. Previous sightings of the same or similar				
	phenomenon Dec. 27, 1947, Jan. 3, 1948, "all" at 8 p.m.				
	(Sparks; McDonald list; FOIA)				
73.	Jan. 11, 1948. Hartford, Conn. (41.77° N, 72.68° W).		2?		
	4:30 p.m. Pilot USAF Capt. Helton and copilot Pargoe in				
	transport plane saw fast moving disc with bluish center				
	and red edges dive at 45° angle to the E. (Sparks; Project				
	1947; FOIA; Saunders/FUFOR Index)				
74.	Feb. 1, 1948. Circleville, Ohio. 2 a.m. C. Bruce		1	60	
	Stevenson saw a large 60 ft domed disc, with bright				
	orange-amber glow from within, approach slowly to about				
	100-150 ft away and just above his tool barn and then				
	continue to slowly move away. (Sparks; Project 1947)				

	ı	7. 1.1.10.10 G	1	•	1	
75.		March 1, 1948. Coast of Sweden. 9:30 a.m. Airline pilot		2		
		and copilot saw a missile-like object flying at 20,000 ft				
		passing along the coast with a bluish flare [exhaust?				
		trail?]. (Sparks; Project 1947)				
76.		April 1, 1948. About 9 miles SE of Sorsogon, SE Luzon	5+ secs?	1	1/5	
		Island, Philippines (at 12°52' N, 124° 3' E). 9:55 a.m.	[10			
		USAF Lt. Meyers leading a flight of 4 P-47 fighters of the	mins?]			
		67th Fighter Sq was flying S heading 180° at 1,500 ft				
		altitude when he saw a half-moon shaped "flying wing"				
		about 30 ft wide 20 ft long, with a barely perceptible				
		dorsal fin, flying on a N heading 360° at about 1,000 ft				
		about 3 miles to his E [evidently silhouetted against the				
		surface 9 miles away at a depression angle of about 2°].				
		He immediately made a 270° left turn to identify the				
		object when it made a 90° left turn [banking evidently]				
		leveled out on a W heading 270° accelerating rapidly to				
		disappearance in 5 secs, no trail [assuming 10x distance				
		increase to reduce apparent size below visual resolution				
		limit, and constant acceleration, terminal velocity would				
		be about 11 miles per second or 39,000 mph at about 350				
		g's]. (Sparks; FOIA; Saunders/FUFOR Index)				
77.	139	April 5, 1948. Holloman AFB, New Mexico (32.86° N,	30 secs	3	1/4 to 1/6	geophysics
		106.10° W). 2 p.m. [?]. During a balloon launch,				balloon
		Geophysics Lab Section of AMC Watson Labs balloon				observers
		observers Joseph Olsen, Johnson, Chance, saw 1 to 2				
		"irregularly rounded," round, gray-white or golden				
		objects, indistinct in outline like a "major's insignia				
		slightly concave on top," one [?] estimated 100 ft size.				
		Both were rising straight up then one veered to the right,				
		dropped, made a large loop, went upward again, then				
		disappeared "suddenly" not due to distance. The other				
		object arced off to the W at "terrific" or "tremendous				
		speed," made 3 vertical loops or "violent maneuvers" then				
		disappeared "suddenly" not due to "fading away in the				
		distance." (Sign Microfilm Roll 2, pp. 356-367; Berliner;				
		cf. Ruppelt p. 71; Vallée?; Loren Gross Jan-July 1948				
		orig ed p. 25; Saunders/FUFOR Index)				
78.		April 8, 1948. Ashley, Ohio [Delaware?]. Paines. Night.		6+		
		(Sparks; McDonald list; Saunders/FUFOR Index)				
79.		April 9, 1948. Holloman AFB?, Alamogordo, New				
		Mexico. 2:06 p.m. (MST). (Sparks; Trakowski				
		GRUDGE rpt)	.			
80.		April 9, 1948. Montgomery, Alabama (32.37° N, 86.31°	5+ secs?	1	2	
		W). 3:10 p.m. Lt. Col. Robert B. Hughes, Air Tactical				
		School instructor, Tyndall AFB, Panama City, Florida,				
		while flying a P-51E [P-51H?] fighter at 16,000 ft, just				
		before completing a 180° left turn over Montgomery, he				
		spotted a silver parachute-shaped 8 ft disc with a 5 ft long				
		cable or shroud underneath suspending a silver canister or				
		ball, at his 10 o'clock position (to the SE) off his left wing,				
		object heading NW, about 300-500 ft away, 200-300 ft				
		below him, and about 10° below horizontal. He banked				
		sharp left to try to follow the object, at 310 mph IAS, but it				
		disappeared in 5 secs without dropping in altitude.				
		(Sparks; FOIA Army Intell cys of SIGN files;				
		Saunders/FUFOR Index)		<u> </u>		

81.	April 11, 1948. Alton, Illinois (38.90° N, 90.17° W).				
	Afternoon. Siegmund. (Sparks; McDonald list;				
	Saunders/FUFOR Index)				
82.	April 18, 1948. N Atlantic bet. Iceland and Greenland (at 62° N, 33° W). (Sparks; McDonald list)				radar
83.	April 18, 1948. 1 mile N of Fairbanks, Alaska (64°50' N,	few mins	1	1/15 ??	
	147°50' W). 1:06 p.m. USAF member Johnson of 375th	or 15			
	Recon Sq-Very Long Range, Ladd AFB, in the Chaechako	secs?			
	Hotel saw a noiseless object with a flat discus shaped				
	object 8 inches in size [at arm's length??] rapidly				
	oscillating in flight at about 2,000-3,000 ft altitude about 1				
	mile away traveling NE to SW at about 250-300 mph				
	visible only when the flat side was toward the observer				
	reflecting high intensity sunlight (?). (Sparks; FOIA; Saunders/FUFOR Index)				
84.	April 19, 1948. Greenville AFB, South Carolina (34.84°	2-3 mins	2	1/5	
04.	N, 82.39° W). 4:15 p.m. 1st Lt. Francis W. Hennin Jr.	2-3 111115	2	1/3	
	and 1st Lt. Robert G. Loomis, 5th Liaison Sq., Greenville				
	AFB, heard jet fighter(s) and when looking for it saw a				
	stationary white ellipse [sphere?] directly overhead [?] at				
	about 15,000-20,000 ft [to the NE?], which looked like a				
	weather balloon (but none had been launched), and after 1				
	min it was joined by [or seen to be with?] an identical				
	object also at 15,000+ ft which remained relatively				
	stationary (about 1 min) then both suddenly accelerated to				
	high speed climbing to the NNE (against the winds aloft				
	from the N at 10,000 and 20,000 ft) in N-S trail formation				
	disappearing in about 30 secs ["a few" secs? 1 min?],				
	while the original object drifted N [?]. Size estimated at				
	slightly smaller than a 42 ft AT-6 at the indicated altitude.				
	No weather balloons had been launched. (Sparks; FOIA;				
	Saunders/FUFOR Index; BB Maxwell Microfilm Roll 3,				
85.	pp. 916-930)		1		
83.	April 30, 1948. S of Anacostia NAS, Maryland. 10:15 a.m. Pilot USN Lt Cdr Marcus L. Lowe of USN Bruno		1		
	aircraft flying S at 180° magnetic at 5,500 ft saw yellow or				
	light-colored sphere 25-40 ft diameter on opposite course				
	S to N at constant altitude at 100 mph about 1,000 ft				
	below. (Sparks; Jan Aldrich; Project 1947;				
	Saunders/FUFOR Index; AIR 203 Dec 10, 1948; NICAP)				
86.	May 5, 1948. Adapasari [or Adapazari], Turkey (40°45'				
	N, 30°23' E). Rocket? (McDonald list; Saunders/FUFOR				
	Index)				
87.	May 6, 1948. Near Wake Island, bet. Kwajalein and		1?		
	Hickam Field, Hawaii (19°18' N, 166°36' E?). 9:05 a.m.				
	USAF pilot Barnes of MATS plane saw a ball of fire				
	explode like a shell. [Insufficient data. Probable meteor				
	bolide.] (Sparks; McDonald list; Project 1947;				
0.0	Saunders/FUFOR Index)				
88.	May 7, 1948. Memphis, Tenn. (35.14° N, 90.03° W)		2?		
	Bray and Kaiser. (Sparks; McDonald list;				
00	Saunders/FUFOR Index)		20		
89.	May 31, 1948. Wilmington, North Carolina (34.23° N,		2?		
	77.94° W). 1:20 p.m. [?] Alspach and Colvin. (Sparks;				
00	McDonald list; Saunders/FUFOR Index)				
90.	June 20, 1948. Scott AFB, Belleville, Illinois. Balloon? (McDonald list)				
	(MCDollaid list)	<u> </u>			

0.1	L 20 1040 W.H.: D 11 M	<i>5</i> 10	-	I	I
91.	June 29, 1948. W Uniontown, Penna. 11 p.m. Mrs.	5-10 secs	6		
	Catherine MacDonald and Mrs. Margaret Hollar saw an	+?+6-7			
	oval luminous object "rolling" vertically on its edge in	secs			
	level (or climbing) flight at about 5,000 ft, below the				
	clouds, with a short trail (about 1/2 length of object), in the				
	SW moving SW to NE (to the S of witnesses?). 2 similar				
	objects seen at 5-min intervals, the 2nd seeming				
	transparent as lightning could be seen flashing behind it.				
	Police were then called so 2nd/3rd objects were seen by				
	police Sgt. Charles Schulz [Schuh?] and Mrs.				
	MacDonald's daughter Catherine. Another neighbor				
	woman and her daughter were brought out, when a 3rd				
	object was seen, height estimated 6,000-9,000 ft				
	(climbing?), same SW to NE path. (Sparks; FOIA;				
	Saunders/FUFOR Index)				
92.	June 30, 1948. S Knoxville, Tenn. (35.98° N, 83.92° W)				
	Whitehouse. (Sparks; McDonald list; Saunders/FUFOR				
	Index)				
93.	June 30, 1948. Hecla, South Dakota. Pfutzenreuter.				
'	(Sparks; McDonald list; Saunders/FUFOR Index)				
94.	July 1, 1948. Rapid City AFB, South Dakota. Major		1?		
´ ''	Hammer sighted 12 oval-shaped discs, about 100 ft long,		**		
	flying in excess of 500 mph, descending from 10,000 ft.				
	Discs made 30°-40° climbing turn accelerating very				
	rapidly out of sight. (Sparks; AIR 203 Dec 10, 1948;				
	NICAP)				
95.	July 4, 1948. Dravosburg, Penna. Jannicky. (Sparks;				
93.	McDonald list; Saunders/FUFOR Index)				
96.	July 8, 1948. McKeesport, Penna. Veway and Geltz.				
90.					
97.	(Sparks; McDonald list; Saunders/FUFOR Index)				
97.	July 9, 1948. Fielding Lake, Wash. Caramia.				
00	(McDonald list; Saunders/FUFOR Index)	2 (222	1		
98.	July 9, 1948. Osborn, Ohio. 9:47 p.m. AMC Technical	3-6 secs	1		
	Intelligence Division officer and pilot, Lt. C. W. G., of	(excludin			
	MCIAXO-4, saw to the N about 70° elevation a luminous	g gaps)			
	yellowish-white object traveling E to W at estimated				
	3,000-4,000 ft about 500-600 mph, illuminated at regular				
	intervals, first 1-2 secs, then dark 3 secs, lit 1-2 secs again,				
	dark 3 secs, then lit 1-2 secs again disappearing to the W				
	slightly above the horizon N of Patterson Field. No sound				
	or trail. Moon 1/4 illuminated seen rising to the WSW				
	(actually setting to the W at 272° azimuth 21° elevation				
	15% illuminated). (Sparks; FOIA; Saunders/FUFOR				
00	Index)	F10.20			
99.	July 17, 1948. 5 miles S of San Acacia Dam, New	[10-30	2		
	Mexico. 4:50 p.m. 2 Kirtland AFB Sgts. on a fishing trip	secs?]			
	with their families saw a group of 7 aluminum circular				
	possibly spherical objects approach from the S at 20,000 ft				
	pass overhead at 1,500 mph if the altitude was correct				
	(5°/sec angular velocity), at first appearing like snub-nosed				
	jet fighters of unknown type, shifting from V formation to				
	L formation to circular formation to no regular formation,				
	at which point a regular pulsating flashing light appeared				
	in the group at 30° from zenith to the N, and at this				
	oblique angle the objects did not appear circular. No noise				
	or trail. (Sparks; FOIA; Saunders/FUFOR Index)				
100.	July 21, 1948. Van Nuys, Calif. (34.18° N, 118.45° W).		many		
	(McDonald list; Saunders/FUFOR Index)				

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107	101	T 1 21 1040 N N N ' Y' ' ' (2/ 010 N 01 700	1	10	I	
107.	191	July 31, 1948. Near Marion, Virginia (36.81° N, 81.52°		1?		
		W). Shortly after sunset. Max Abbott, flying a Bellanca				
		Cruisair four-passenger private airplane, saw a single				
		bright white light [take off?] accelerate [to 300 mph?] and				
		turn up a valley. (Sparks; Berliner; cf. Project 1947;				
		Saunders/FUFOR Index)				
108.		Aug. 2, 1948. Columbus, Ohio (39.98° N, 82.99° W).				
		7:45 p.m. [?] Saunders. (Sparks; McDonald list;				
		Saunders/FUFOR Index)				
109.		Aug. 3, 1948. 25 km NW of Moscow, USSR (55°45' N,				
		37°42′ E). 8 a.m. [?] Long metallic cylinder with no				
		wings, no sound, at very high altitude flew at high speed to				
		the NE. (Sparks; McDonald list; Saunders/FUFOR				
		Index)				
110.		Aug. 4, 1948. North Powder, Oregon. 0200 & 0300 2				
110.		Unk North Powder, Oregon NW to SE				
		5500' Horizontal line Green				
		Softball 720 mph				
		Extinguished (1) (Sparks; AFOSI-LaPaz Catalog May				
111		1950; McDonald list; Saunders/FUFOR Index)		2	20	
111.		Aug. 11, 1948. Near Hamel, Minn. Bet. 12 and 12:15		2	30	
		p.m. (CDT). 2 Leuer boys playing outside saw a round,				
		dull gray or silver object 2 ft diameter, 1 ft thick, like				
		inverted plates approach from the NW drop down between				
		the boys from a height of 12 ft and land 8 ft away from				
		one of the boys like a balloon with a metallic clinking				
		sound and a train whistle noise. It spun once, shot up 20 ft,				
		made the whistle noise again, hovered, shot up to a height				
		of 30 ft maneuvering to avoid phone lines and trees, flew				
		away to the NE. CIC Special Agent Capt. Charles L.				
		Victor, 113th CIC Det., found an area 2 ft in diameter				
		where the ground showed signs of extreme pressure.				
		(Sparks; Vallée Magonia 66; FOIA; Saunders/FUFOR				
		Index)				
112.		Aug. 29, 1948. Maplewood, Ohio (40.377° N, 84.029°		1		
		W). 5:03 a.m. Farmer Niswenger saw a large silvery				
		sphere rise from a wooded area and hover above his farm,				
		dropping a silvery substance that disintegrated before				
		touching the ground. (Sparks; Vallée Magonia 67;				
		Saunders/FUFOR Index)				
113.		Sept. 18, 1948. SE Shreveport, Louisiana (32.50° N,	10-15	1	1/10	binoculars
		93.76° W). 5:00 p.m. Draftsman at home using high-	secs		(0.5°?	
		power binoculars to watch an L-6 aircraft at 10,000 ft			equiv in	
		altitude at 60° elevation to the SE traveling 100 mph, for			binocs)	
		Air Force Day, saw a bright white-aluminum half-				
		spherical object traveling the opposite direction in level				
		flight at about 20,000 ft altitude 2-1/2 miles away ground				
		distance at 100-150 mph heading S, no trail, lost when he				
		tried to view it without binoculars. Object appeared to be				
		1/3 size of the L-6 (35.5 ft) but 2x the distance, or about				
		24 ft. (Sparks; FOIA; Saunders/FUFOR Index)	<u> </u>		ļ	

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114.		Sept. 22, 1948. Near Turner AFB, Albany, Georgia		1	1?	
		(31.57° N, 84.17° W). 3:30 p.m. (EST). USAF Lt. Martin				
		G. Rubisch, Asst. Combat Ops Ofcr. at Eglin AFB, Flor.,				
		the copilot of a C-47 was flying from Eglin heading NE				
		into Turner AFB at 2,000 ft when he saw a shiny metallic				
		object about the size of a radio-controlled target drone, but				
		with no wings or rudder, approaching from about 1,500-				
		2,000 ft away about 35° to the left heading 335° (or 155°?)				
		at about 250 mph at 1,500 ft altitude, no trail. (Sparks;				
		FOIA; Saunders/FUFOR Index)				
115.	208	Sept. 23, 1948. 4 miles E of San Pablo, 4.1 miles S of		2	2 ?	
		Pinole, Calif. Approx. 12:02-12:03 p.m. Retired U.S.				
		Army Col. Horace S. Eakins and Sylvester Bentham saw a				
		2-engine bomber aircraft pass low overhead to the SE then				
		saw far beyond and high above it, possibly 1 mile higher, a				
		strange fast-flying irregularly shaped translucent white				
		"amoeba" headed E, the size of a 4-engine bomber, with 3				
		appendages in front 2 trailing with a dark grey spot				
		possibly spherical near the center which remained stable in				
		motion, the arms of the "amoeba" undulating, the object				
		wobbling, disappeared suddenly, no trail. [Another object				
		sighted?: a buff or grey rectangle with vertical lines.]				
446		(Sparks; cf. FOIA; Saunders/FUFOR Index)	1.1/2		1/10	
116.		Sept. 23 [25?], 1948. Santa Fe, New Mexico (at 35°41' N,	1-1/2 to	2	1/10	
		105°56' W). 9:40 [9:45?] a.m. Civilian pilot A. Ruble	5+ mins		[1/2]	
		Angier and building superintendent and pilot / amateur				
		astronomer John C. Fairchild were near KTRC radio tower				
		while watching a government aircraft landing at Los				
		Alamos airport [about 20 miles to the NW] saw a sun-				
		reflecting glint in the sky from a flat circular metallic				
		(solid white?) object high in the N sky headed SW				
		appearing like a flat dime on-edge slightly tipped as if 50				
		ft away, estimated 100-150 ft in diameter at 30,000 ft				
		headed S then E then SE, from about 9:45 to 9:50 a.m.				
		then again (stationary?) at about 10:03 a.m. [briefly?].				
		Fairchild described oblong egg shape, with solid blue tail,				
		overall 100-150 ft in size at 30,000 ft and 7 miles				
		(ground?) range. Fairchild said object moved at about				
		700-800 mph (Sparks; BB files; Case confused with Los				
11-		Alamos case, below; Saunders/FUFOR Index.)		10	-	
117.		Sept. 23, 1948. Los Alamos, New Mexico (35.68° N,		1?		
		105.94° W?). [AESS security guard Hanson?? (possibly				
		other Los Alamos Lab personnel) saw an oval orange				
		luminous object, length/width ratio about 1.5:1, to the E				
		crossing the sky in level flight from right to left, trailing				
		flame, disappearing in a cloud bank to the NE.] (Sparks;				
		Case recounted in unpublished Ruppelt manuscript said to				
		be included in the TOP SECRET AMC Estimate of the				
		Situation, apparently a revised version of the Aug. 5, 1948,				
		initial draft)				
118.		Sept. 28 [18?], 1948. San Simeon, Calif. Patterson.			1	
110.		(Sparks; McDonald list; Saunders/FUFOR Index)				
	L	(Sparks, McDonaid list, Saunders/TOTOK index)	<u> </u>	L	<u> </u>	

119.		Oct. 1, 1948. Fargo (46.88° N, 96.78° W) to 25 miles SE of Fargo, North Dakota. 9:00-9:27 p.m. (MST). Air National Guard fighter pilot Lt. George F. Gorman plus 4 others including 2 CAA tower controllers saw a small 6-8-inch round white ball of light with a flat, no-depth disclike appearance, blinking off and on at slow speed. First spotted by pilot Dr. A. D. Cannon and passenger Einar Neilson aboard Piper Cub aircraft at 1600 ft AGL, N of Hector Field moving fast to the W above them at about	27 mins	5	1/6 – 1/9 (0.06°- 0.08°)	binoculars; oculist
		250-270 mph, spotted by Gorman shortly after. Gorman radioed tower and began pursuit at 9:07 p.m. Cannon and Neilson landed, went up into airport tower and with binoculars watched Lt. Gorman attempt to chase the light in his F-51 fighter, closest approach less than 500 ft distance on his first pass at about 5,000 ft. Gorman climbed to 14,000 ft but stalled out unable to intercept light at about 16,000 ft. Light made evasive and				
		aggressive maneuvers, such as seeming to try to ram the F-51, that outperformed the F-51 at a top speed 600+ mph. Light dropped to 11,000 ft, Gorman attempted to dive on it, light pulled up, rose vertically until it disappeared. (Sparks)				
120.		Oct. 11, 1948. Neubiberg AFB, Munich, West Germany. Swap and Ingelido. Balloon? (McDonald list; Saunders/FUFOR Index)				
121.		Oct. 13, 1948. South Bend, Indiana (41.68° N, 86.26° W). Brooke and Thompson. Debris? (McDonald list; Saunders/FUFOR Index)				
122.	218	Oct. 15, 1948. About 50 miles NW (at 330° from) Fukuoka, Japan (at 34°00' N, 130°00' E). 11:05 p.m. (intermittently to 1:30 a.m.?) USAF pilot 1st Lt. Oliver Hemphill Jr. and radar observer 2nd Lt. Barton Halter flying a P-61 "Black Widow" night fighter made 6 interceptions of the same or different objects tracked on airborne radar, only one seen visually (4th intercept). Dull or dark translucent object shaped like a dirigible with a flat bottom and clipped tail end. Speed varied from 200 to about 1,200 mph. Pilot tried to close on visual object, but it dove away fast. Continued search to 1:30 a.m. unsuccessful at finding object again. (Sparks; BB Maxwell Microfilm Roll 4, pp. 363-401; FOIA; Jan Aldrich; Saunders/FUFOR Index)	10 mins (total)	2		RV
123.		Oct. 15, 1948. At 36°42' N, 74°40' W (about 50 miles E of Virginia coast in the Atlantic). 5:20-6:10 p.m. (EST). Ship's observer aboard SS Gulfport, named Keme [?], saw a bright nearly moon-shaped object with distinct bright center about 1/4 moon's angular size at 350° azimuth (nearly N) 40°18' elevation heading SE becoming darker with nightfall, at 5:30 p.m. at 358° azimuth 43°41' elevation, [passing near the North Celestial Pole by about 10°], at 5:54 at 50° azimuth (nearly NE) 57°5' elevation. (Sparks; FOIA; Saunders/FUFOR Index)		1	1/5	marine sextant

124.	Oct. 16, 1948. 1 mile S, 8 [5?] miles E of Sterling, Utah. 11:45 a.m. Airplane mechanic and used car dealer Mr. Nash on a hunting trip on a mountain at 9,000 ft MSL heard a fluttering, throbbing or purring noise and saw a flattened football or lozenge shaped black object with wide silver longitudinal stripe 9 x 6 x 3 inches, with blunted opening in the rear but no exhaust, pass < 500 ft overhead on a NNW path at 300 mph. (Sparks; FOIA; Saunders/FUFOR Index)	4+ secs	1	1-1/2 (0.8°)	
125.	Oct. 17, 1948. Crescent City, Calif. (41.75° N, 124.20° W). 8:10 a.m. (PST) [4:10 p.m. GMT?]. Blimp-like object much too fast and maneuverable for a blimp. [Siler, Haley and 2 other witnesses saw bright silvery oval object heading SE at 6,000+ ft altitude moving faster than an aircarft.] (Sparks; FOIA; Saunders/FUFOR Index)		4		
126.	Oct. 18, 1948. Pacific Heights, Oahu, Hawaii (21.31° N, 157.87° W). 5:05 p.m. (AHST). USAF rated pilot Major Robert C. Drum, wife and daughter, saw a round or elliptical bright silver object 10-15 ft in size [or 4-5 inches at arm's length??] about 10,000-14,000 ft altitude heading NE on a steady course horizontal to the ground about 200 mph, no trail or sound, no markings of any kind seen, observed intermittently for up to 10 secs at a time [due to cumulus clouds?]. (Sparks; FOIA; Saunders/FUFOR Index)	mins	3	1/10 ? 20 ?	
127.	Oct. 24, 1948. 10 miles SW of Junction City, Kansas. Huber. Aircraft? (McDonald list; Saunders/FUFOR Index)				
128.	Oct. 24, 1948. Phoenix, Ariz. (33.45° N, 112.05° W). Night. Peterson. Green point source moved slowly from W to E. Became very bright and fell apart. Balloon? (Sparks; AFOSI-LaPaz Catalog May 1950; BB NARA Microfilm Roll 91 p. 407; McDonald list; Saunders/FUFOR Index)	75 mins	1		
129.	Oct. 24, 1948. 4 miles SE of Moorhead, Minn. 5:45 p.m. Mr. Sanders and his wife while driving NW on Hwy 52 towards Moorhead and Fargo (46.88° N, 96.78° W) saw a brilliant golden-white round object suddenly appear as if a light switched on, about 3 miles away to the NE at 1,000 ft altitude in a gradual climb traveling at high speed, estimated 600-1,000 mph, heading W towards Moorhead, no trail or sound, about 1/2 full moon angular size [moon and sun both below the horizon]. When they reached the N of Moorhead the object, which was slightly to the left of directly ahead, suddenly made a right turn to the N then 1 sec later disappeared by suddenly switching off. (Sparks; FOIA; McDonald list; Saunders/FUFOR Index)	5-7 mins ?	2	1/2	
130.	Oct. 29 [27?], 1948. Goose Bay AFB, Labrador, Canada (53.33° N, 60.41° W). On this date or succeeding dates Oct. 31, and Nov. 1, 1948, slow-moving unidentified targets were radar tracked at low altitude. On one date 2 targets were on a collision course S of base and were radioed a warning, the targets then veered off. High speed radar track on Nov. 1. (Sparks; McDonald list; Saunders/FUFOR Index; Ruppelt manuscript)				radar

131.	Oct. 30, 1948. About 15 (25?) miles WNW of Grays	? (radar)	2+	RV
131.		+ 20 secs	2+	K V
	Harbor / Pacific Beach, Wash. (at 47°20-1/2' N, 124°42'			
	W). 4:20?-4:30 p.m. (PST). While flying in an F-82	(visual)		
	fighter headed N at 8,000 ft at 240 mph on a GCI intercept			
	mission initially directed by the ADC radar site 634th			
	Aicraft Control Sq., Neah Bay, Wash. (505th AC&W			
	Group, Everett, Wash.) radar observer AF 2nd Lt. Robert			
	L. Kunzman, 318th All Weather Fighter Sq, 325th Fighter			
	Group, McChord AFB, Wash., saw as he headed toward			
	an interception point a single compact group of yellow			
	objects in the WNW at 10 o'clock position which burst			
	into an in-line formation of about 10-20 or 25 white egg-			
	shaped objects that crossed over in front of aircraft to 1			
	o'clock (in the NNE) heading W to E still in line			
	formation at about 8,000 ft heading S and dropping back			
	to 3 o'clock position in the E, which he first thought might			
	be seagulls. Objects maintained same altitude and			
	horizontal flight throughout. Objects then doubled back			
	heading N paralleling the F-82's course while moving			
	back up to 2:30 o'clock position at high speed, turning			
	translucent part of the time just before disappearing by			
	fading out or dissolving without going far enough to have			
	vanished due to distance (some fog with visibility 5 miles			
	may account for disappearance). [If at 5 miles objects			
	covered 15° from 3 to 2:30 position in possibly 5-10 secs,			
	time assumed not reported, then relative velocity was			
	possibly 500-1,000 mph greater than F-82's 240 mph.] He			
	called attention of the pilot Maj. Homer William Morris			
	who missed seeing the objects. Ground radar lost object at			
	this same time. AFOSI interviewed radar contollers at			
	635th AC&W Sq at Pacific Beach, who tracked "no			
	unidentified objects at high rate of speed" (leaving			
	unstated what about unidentifieds at moderate speed) but			
	did not interview at 634th AC&W Sq at Neah Bay which			
	did the tracking. (Sparks; McDonald list; BB Maxwell			
	Microfilm Roll 4, pp. 630-657; Sign Roll, pp. 57-58;			
	NARA Roll 88 pp. 144-149)			
132.	Oct. 31, 1948. Goose Bay AFB, Labrador, Canada			radar
	(53.33° N, 60.41° W). (Sparks; McDonald list;			
	Saunders/FUFOR Index)	1		
133.	Oct. 31, 1948. Azores. USAF AFB? Balloon?			
	(McDonald list; Saunders/FUFOR Index)	1		
134.	Nov. 1, 1948. Goose Bay AFB, Labrador, Canada (53.33°	1		radar
	N, 60.41° W). High speed radar track. (Sparks; Ruppelt	1		14441
	manuscript; Saunders/FUFOR Index)			
135.	Nov. 3/4, 1948. 10 miles E of Vaughn, New Mexico	secs?	1	
155.	(34.61° N, 105.21° W). About 10 p.m. U.S. Army Col.	30031	•	
	Hayes. Bright white round light "larger than a basketball"	1		
	descended slowly vertically until exploding 400-500 ft	1		
	above ground. Meteor? (Sparks; BB NARA Microfilm			
	Roll 91 p. 407; McDonald list; Saunders/FUFOR Index)			
136.	Nov. 6, 1948. Wakkanai, Japan (45°26' N, 141°43' E).	 		radar
130.	Radar track of 2 UFO's in dogfight. (Sparks; McDonald	1		iadai
	list; Saunders/FUFOR Index)	1		
	nst, saunucis/furuk mucx)	<u> </u>		

137.	Nov. 12, 1948. Clark AFB, Manila, Philippines. Bet. 1 and 2 p.m. Airman Wright with 18th Maint. Sq saw a white speck flying in the distance to the NE, then N, then fly into a cloud bank and emerge to the NNW, approaching closer so that he saw it was a very large 300 ft long 140 ft wingspan snow-white aircraft with low wings darting in and out of clouds much faster than any jet, about 20-30 miles away about 3-6 miles high, leaving an exhaust trail like skywriting and making loud aircraft noise. (Sparks; FOIA; Saunders/FUFOR Index) Nov. 17, 1948. Peace River, Alberta, Canada (at 56°10' N,		2	1/5	
	117°30' W). 6:18 a.m. (PST). Pilot and radio [radar?] operator of military aircraft saw a bright orange flaming egg-shaped object flying on a SW heading. (Sparks; Project 1947; McDonald list; Saunders/FUFOR Index)		_		
139.	Nov. 18, 1948. Camp Springs, Maryland (38.81° N, 76.88° W?). 9:45-10:03 p.m. USAF Lts. Jackson and Combs, 2 reserve pilots, aboard an Andrews AFB T-6 aircraft traveling 150 mph and 2 independent ground observers saw a highly maneuverable whitish-grey oval lighted object smaller than the T-6 cross over Andrews AFB from NE to SW and back again in a circular pattern from 4,000 ft dropping to 1,700 ft then climbing to 7,000 ft. T-6 followed object to identify it, made 3-4 passes at the object while climbing, dove on the object at 240 mph but it dropped down and came up behind the T-6 and continued circling the base. T-6 was able with difficulty to put object in front of city lights on the ground to try to make out details, and came within about 300-400 ft turned on landing light and object responded with a dull glow, then sped off to the NE at 8,000+ ft and 500-600 mph disappearing. Object's speed varied from 80 to 600 mph in multi-directional or omnidirectional flight, with vertical maneuverability, highly evasive with high acceleration. Another reserve pilot, a USAF 2nd Lt. in another aircraft over the NE corner of Andrews AFB at 1,000 ft saw the object directly overhead. A further independent witness, USAF Staff Sgt. John J. Kushner, observed object from the ground. (Sparks; FOIA; Ruppelt p. 46; Saunders/FUFOR Index)	18 mins	4	10	triangulatio n?
140.	Nov. 23, 1948. Furstenfeldbruck AFB, Munich, West Germany (48°10' N, 11°15' E). 10:20 p.m. USAF F-80 jet fighter pilot Capt. Slater, another jet pilot Capt., and a 1st Lt. of 23rd Fighter Sq from the ground saw a reddish starlike object to the E moving S over Munich at 200-500 mph, turning slightly SW then SE. Slater called the Racecard DF Station equipped with radar which tracked an unidentified target at [900 mph] 27,000 ft and 30 miles S of Munich, rapidly climbing to 40,000 [50.000] ft at 40 miles S of Munich then circling around. (Sparks; FOIA; Saunders/FUFOR Index)		3		RV
141.	Nov. 23, 1948. 10 miles E of Vaughn, New Mexico (34.61° N, 105.21° W). About 10 p.m. U.S. Army Col. Hayes. Bright white round light "larger than a basketball" descended slowly vertically until exploding 400-500 ft above ground. Meteor? (Sparks; BB NARA Microfilm Roll 91 p. 407; McDonald list; Saunders/FUFOR Index)	secs?	1		

142.	Nov. 26, 1948. Washington and Oregon. Young. (Sparks; McDonald list; Saunders/FUFOR Index)				
	Dec. 3, 1948. Fairfield-Suisun AFB, Calif. (38.25° N, 121.99° W). 8:15 p.m. USAF Sgt. control tower operator McFarland saw a round, white light fly with varying speed, bouncing motion, and finally a rapid erratic climb. (Sparks; Berliner; Saunders/FUFOR Index)	25 secs	1		
144.	Dec. 3, 1948. Dayton, Ohio (39.75° N, 84.18° W). S. R. [?] Hoffman. (Sparks; McDonald list; Saunders/FUFOR Index)				
145.	Dec. 5, 1948. ~5 mi SW of Las Vegas (35°36'N, 105°13'W), New Mexico. 9:05 p.m. (MST). AF Air Training Command, Randolph AFB, San Antonio, Tex., copilot Capt. William R. Goade, pilot Major Roger M. Carter, flying a C-47 from Lowry AFB, Denver, to Williams AFB, Chandler, Ariz., at 15,000 ft, on a 230° Mag heading [= 243° True] at 155-160 mph [158 mph IAS], true ground speed ~190 mph, saw a green fireball about 1-1/2 to 2 miles to their right with a parabolic path descent. 2nd green fireball sighting at 9:27 p.m. made from ~20 mi ENE of Albuquerque of bright green flare shooting up from ground level on E slopes of [South] Sandia Peak rising to ~500 ft height above ground, slope location at 35°07' or 09'N, 106°24'W [~5 miles E of Albuquerque]. (Sparks; FOIA; Saunders/FUFOR Index)	?? (1st) + 5-15 secs or 1-2 secs (2nd)	2+2	1	
146.	Dec. 5, 1948. NW of Las Vegas near Montezuma Mission (5 mi NW of Las Vegas? at ~35°39'N, ~105°16'W), New Mexico. 9:35 p.m. Pioneer Airlines Flight 63 pilot Capt. Ernest Van Lloyd and copilot James L. Smith, saw a pale green (later said to be white or whitish-orange) fireball with pale green trail coming headon slightly above their altitude, while flying W on 272° heading at 9,000 ft in a C-47 approaching Las Vegas from the E, attempted evasive action but object dropped close to ground level. (Sparks; BB NARA Microfilm Roll 91 p. 407; FOIA)	few secs	2	1?	
147.	Dec. 6, 1948. Albuquerque, New Mexico (35°03'N, 106°32'W). 10:55 p.m. AESS officer Joseph Toulouse driving W on D Street stopped at intersection with Main Street saw a green fireball almost directly overhead above Sandia Base nuclear weapons assembly site, slightly to the NW arching slightly downward, traveling from E to W, with a flaming tail. (Sparks; BB NARA Microfilm Roll 91 p. 407; FOIA)	2-3 secs	1	1/3 or 2/5	

148.	Dec. 8, 1948. About 22 miles E of Las Vegas, at 35°31'	2 secs	2	
140.	,	2 8008		
	N, 104°51' W, New Mexico. 6:33 p.m. 2 AFOSI Special			
	Agents, Capts. Melvin E. Neef and John J. Stahl, Jr.			
	(Deputy Commander 17th Dist. AFOSI), returning from			
	investigation of green fireballs in a Beech T-7, heading E			
	at 90° and 190 mph at 11,500 ft altitude and 5,000 ft above			
	ground, saw green fireball 30° to the left of their flight			
	path, to the ENE at 60° azimuth, at an estimated 2,000 ft			
	above their flight altitude of 13,500 ft, which shot past			
	them maintaining almost level flight until the end to the			
	WSW at 240° azimuth when it seemed to burn out and			
	drop suddenly with reddish-orange glowing fragments			
	which lasted less than 1 sec. Later aerial search of the			
	ground site in daylight found nothing. (Sparks; BB			
	NARA Microfilm Roll 91 p. 407; FOIA;			
	Saunders/FUFOR Index)			
149.	Dec. 8, 1948. Chanute AFB, Illinois. Night? Meteor?		many	
	(McDonald list; Saunders/FUFOR Index)		?	

1.50	Dec 0 1040 A1	<i>(</i> :	2	1	TICAT
150.	Dec. 9, 1948. About 12 miles SE of Pittsburgh, Penna. (at	6 mins	2	1	USAF
	40.3° N, 79.8° W). 3:21 p.m. (EST). USAF Pentagon				DCS/O
	officers pilot Capt. Eugene G. Mulling, Jr., Instrument				Guided
	Flight Group, USAF Office of DCS/Operations and				Missile +
	copilot, with senior pilot rating, Col. John K. Brown, Jr.,				Instrument
	Guided Missile Group, DCS/O, flying in a C-45 at 6,000 ft				Flight
	heading 300° Mag [295° True] at 180 mph IAS saw				officials
	"perfectly round" chalky white object, much whiter than				
	the cirrus and alto-stratus clouds, first seen at about 1				
	o'clock position (about NNW) at about 60° elevation on a				
	straight-line level flight heading initially estimated at SW				
	or 250°, a converging course with the C-45. At 3:24 p.m.,				
	C-45 turned left to heading 270° Mag (W) to move away				
	from UFO which had pulled almost directly ahead, to				
	reduce convergent headings and make more nearly parallel				
	the course of the object. UFO estimated to be above cloud				
	bank at 12,000-16,000 ft it later disappeared behind, at				
	about 4-5 miles away at first sight, traveling about 250				
	mph [a great underestimate, speed actually ~ 700 mph] at				
	constant speed, pulling ahead of C-45 at an increasingly				
	greater distance to about 60 miles [increased relative				
	distance about 55 miles in 1/10 hour or about 550 mph				
	faster than C-45's 180 mph and probably moved to the left				
	of C-45's heading by about 15° to 20° thus about 245°-				
	250° True]. Object had horizontal shimmering or jittery				
	motion on edges extending inwards about ¼ of the object's				
	diameter, "possibly due to directed beam of light?" or				
	"extreme speed" and/or "distortion of light waves."				
	Object repeatedly disappeared and reappeared behind				
	clouds, and when it reappeared it was on the same straight-				
	line flight path. Object seemed to have a physical effect				
	on the clouds, at one point a stratus cloud it disappeared				
	behind seemed to change from long narrow shape to "a				
	series of small strips" of cloud oriented perpendicular to				
	original long axis. Angular size initially about 0.5°,				
	"slightly less than the sun when first seen," size of quarter				
	coin (0.955 inch) on windshield, diminishing to less than				
	size of BB (0.17 inch) hence <18% of initial, or based on				
	decrease of angular elevation by factor of about 12x SIGN				
	confirmed as a distance increase of about 12x to 15x [thus				
	<0.03°], when it disappeared behind large cloud S of Akron at known distance/location/altitude about 60 miles				
	away [cloud extending about 20 miles S of Akron] at				
	12,000 to 16,000 ft, at about 5° to 10° elevation, location known becsuse C-45 flew over it as they landed at Akron				
	at 3:39-1/2 p.m. [Actual size about 200 ft based on				
	angular size of 0.5° at 4 miles.] (Sparks; McDonald				
	papers; Jan Aldrich; Saunders/FUFOR Index; "9-12" date				
151	is 9 Dec not Sept. 12, 1948, which is mistaken)				
151.	Dec. 11, 1948. Hood River, Ore. 7:30 p.m. Blue and				
	white flash of light with noise like thunder. (Sparks; AFOSI-LaPaz Catalog May 1950; BB NARA Microfilm				
	Roll 91 p. 410)				
	Λοιι / ι φ. τιν)	1		<u> </u>	

152.	Dec. 12, 1948. Starvation Peak near Bernal, New Mexico	2.1-2.3	3	1/7	Lincoln
1	(at $35^{\circ}23^{\circ}$ N, 105° 19' W). 9:02.0 p.m. ± 0.5 min (MST).	secs		(0.08°)	LaPaz;
	Dr. Lincoln LaPaz, USAF Capt. Charles L. Phillips, and				triangulatio
	CAP intelligence officer Lt. Allan B. Clark, returning from				n
	green fireball investigations while looking to the NW saw				
	a green fireball at least stellar magnitude –4 traveling E to				
	W low above the horizon about 3°-4° elevation in almost				
	perfectly level flight until the last 0.1 to 0.2 sec when it				
	slightly curved downward, disintegrating into 3-4 pieces,				
	no sound. Based on independent witnesses, AESS				
	Inspectors Jeffers and McGuigan at Los Alamos, LaPaz				
	triangulated object's flight path at about 8-10 miles [6-7				
	miles] height along a 25-mile path from 35°50'N,				
	106°40'W, to 35°45'N, 107'05'W, speed 39,000 to 43,000				
	mph. (Sparks; BB NARA Microfilm Roll 88 pp. 740,				
	745; Roll 91 p. 410; FOIA)				
153.	Dec. 17, 1948. N Ambridge, Penna. 1:30 a.m. 2	30 secs	2	1 (as a	
	witnesses in the railyard, a train conductor Hildebrand and			group?)	
	the yardmaster Werner [?], saw a formation of 8 white				
	luminescent rotating spherical objects, like wheels				
	revolving around hubs, approaching from the N high				
	above horizon, 45° elevation, headed S, just before reaching overhead they made a controlled dive and a sharp				
	90° right turn to the W, with the topmost object leading				
	the others, fading from view while still high above				
	horizon. (Sparks; BB Microfilm Roll 88 pp. 367-372;				
	FOIA; Saunders/FUFOR Index)				
154.	Dec. 20, 1948. W of Los Alamos, New Mexico (35.89° N,	1-1/2	4	1/4	triangulatio
10	106.31° W). 8:54 p.m. AESS Physical Security Inspectors	secs	-	1, .	n
	Clifford E. Strang and George S. Skipper on jeep patrol on				
	Route 4 north of Bandelier cut-off at Los Alamos South				
	Gate, Station 390 (at 35°48'.9N, 106°18'.4W) sighted pale				
	green or bluish-white round fireball descending from 20°				
	elevation to horizon with a triangulated 7-8-mile W to E				
	flight path on a 45° downward angle from a height of ~10				
	miles (at 35°56'N, 106°30'W) to ~2.3 miles (at 35°57'N,				
	106°23'W), calculated by LaPaz based on another				
	independent observation at a different AESS site by				
	Inspectors William D. Wilson and Buford G. Truett (at				
	35°55'N, 106°23.7'W). Disappeared behind mountain.				
	(Sparks; BB NARA Microfilm Roll 88 p. 745; Roll 91 p.				
155.	410; FOIA; Saunders/FUFOR Index) Dec. 28, 1948. Los Alamos, New Mexico (35.89° N,	1-1/2	1		triangulatio
133.	106.31° W). 4:31 a.m. White point source descended		1		_
	vertically from N to S to 6,000 ft [height above ground?	secs			n
	elevation above MSL?] disappeared with green flash.				
	(Sparks; BB NARA Microfilm Roll 91 p. 410)				
156.	Dec. 30, 1948. Sweden. (Sparks; McDonald list)				
157.	Jan. 1, 1949. Jackson, Mississippi (32.30° N, 90.18° W).		1		
15/.	5 p.m. Pilot D. [?] Rush flying private plane saw a 60 ft		1		
	cigar-shaped object cross the sky in front of the plane to				
	the SW, nearly colliding, at 500 mph. (Sparks; Project				
1					1

158.	275	Jan. 4, 1949. Hickam Field, Hawaii (21.34° N, 157.95° W). 2 p.m. USAF pilot Capt. Paul R. Stoney, on ground at Pacific Command HQ, saw a flat white, elliptical object, with a matte top, blinking once per sec, about the size of a T-6 aircraft, circle at about 3,000 ft while oscillating to the right and left, then speed away to the NE in a climb. (Sparks; Jan Aldrich; Saunders/FUFOR Index) Jan. 6, 1949. Los Alamos, New Mexico (35.89° N,	2 secs	1	1	
		106.31° W). 3:10 a.m. Brilliant green light seen traveling horizontally E to W about 3° to 5° above horizontal (mountain line?) disappearing behind mountains. (Sparks; BB NARA Microfilm Roll 91 p. 410)				
160.		Jan. 6, 1949. Kirtland AFB (Albuquerque), New Mexico. 5:30 p.m. Everitt and Willis. Bright white diamond shaped light in horizontal flight from SE to NW about 1500-2,000 ft height faster than a jet, about 2 ft in size [?]. [Meteor?] (Sparks; BB NARA Microfilm Roll 91 p. 410; McDonald list; Saunders/FUFOR Index)	secs?	2		
161.		Jan. 23, 1949. 4 miles S of Tillamook, Oregon (at 45°22'17" N, 123°48'16" W [elev. 137 ft ASL]). 11:05 a.m. Machinist and former wartime air defense observer Charles E. Leckington and wife Rose C. while driving S on Hwy 101, about 1/4 to 1/2 mile N of Pleasant Valley, saw a shiny, silvery, round stationary object about 10-15 ft size glinting in the sun to the SE at about 35° elevation about 2,000 ft height about 1/2 to 3/4 mile away (in its belated investigation in April, AFOSI claimed a height figure of 500 ft without explaining the discrepancy). When he went inside his shop with Allen Hughes of neighboring Hughes Grocery to get binoculars the object had disappeared. No sound or trail. Burt [Bert?] J. Smith, father-in-law of Leckington, living in house behind the Leckingtons, (at 45°22'04" N, 123°48'07" W ? [elev. 155 ft ASL]) saw for about 1 min the polished silver saucer-shaped object reflecting sunlight [nearly?] overhead at first, about 1,000-2,000 ft [1,400-2,000] altitude, angular size of full moon (0.5°), then moving NE at about 30-50 mph [30-35 mph], for about 1 min to disappearance at 45° angle [elevation]. (Sparks; FOIA; BB files; Saunders/FUFOR Index)	2.5-3 mins	3	~1	triangulatio n

162.	Jan. 24, 1949. About 250 miles SW of Bermuda Island,	2 hrs 10	6?	100	nuclear
	Atlantic (at 29°30' N, 67°29' W). 12:00-2:10 a.m.	mins			monitor
	(Z/GMT/UT) USAF pilot Capt. Marsden W. Mattatall and				flight
	crew (copilot 1st Lt Frank J. Stockton, navigator Lt.				S
	Austin, S/Sgt Joseph D. Marx, S/Sgt Leonard G. Lerch,				
	Sgt Sims) of RB-29 bomber no. 44-87750 in the 373rd				
	Recon Sq (Very Long Range – Weather) based at Kindley				
	AFB, Bermuda [on classified Atomic Detection System				
	service] searching for lost BOAC Tudor IV airliner Star				
	Ariel, at 1,500 ft heading 50° True (about NE) [at 200				
	mph] saw to the left (in the N) a red glow on the ocean 1				
	to 1-1/2 miles in size extending up to 2,500-3,000 (or				
	4,000-6,000) ft altitude with 2-4 white searchlight-like				
	beams of light within the red glow. At 12:25 a.m. B-29				
	turned toward the light on heading 350° True and by 12:40				
	approached so close, estimated 100-150 ft [?] distance at				
	6,000 ft altitude at 31°24' N, 67° 8' W, that pilot made a				
	sharp bank to avoid collision. B-29 crew unable to take				
	nuclear fallout sample of air around red glow because in				
	haste to take off on search mission they failed to bring				
	filter paper. B-29 circled the red glow from all directions				
	for 44 mins as the glow slowly moved to 31°25' N, 67°				
	14' W [at about 10 mph headed W], when they finally				
	departed the area at 1:24 a.m. Red glow still visible on				
	landing in Bermuda [at about 2:10 a.m.]. Crew took 15 (?)				
	photos with K-20 camera set at 1/125th sec and f/4.5				
	aperture, but none were sensitive enough to show the red				
	light. Later RB-29 (?) flight equipped with fallout filters				
	visited the coordinates of the red glow at 11:00 a.m. but				
	results of air sampling not known or reported. AMC Intell				
	Dept Chief Col. William R. Clingerman ordered				
	references to "filtering" deleted from sighting reports as				
	the would "unnecessarily disclose classified Air Force				
	operations." (BB Maxwell Microfilm Roll 5 pp. 167-233;				
	Project 1947; Saunders/FUFOR Index)				

28/	Ian 27 1949 Cortez-Bradenton Florida (at 27°29' N	22 + 23	2	1/2 9	binoculars
204			2		omoculais
		1111115		`	
	,				
				onioes:)	
1					
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
	/	10-20	1.000'	1/3	triangulatio
				1/3	n
		5005	5		11
1					
1					
	slight hissing, broke into pieces at the end, no fragments				
	found despite extensive ground search. 100+ witnesses				
	interviewed. Estimated 200 witnesses in El Paso, 10 in Ft.				
	Worth, Texas, 200 in Roswell, 200 in Alamogordo, NM.				
	[Projected radiant of origin along a 1.7° descent angle is at				
1	14.0 hrs Right Ascension +56° Declination.] (Sparks; BB				
1	Maxwell Microfilm Roll 5, pp. 279-284, NARA Microfilm				
	Roll 91 pp. 410-1; FOIA; Saunders/FUFOR Index)				
		1	_		
	Feb. 14, 1949. Ganado, Ariz. 6:40 p.m. Brilliant white	secs?	2		
	Feb. 14, 1949. Ganado, Ariz. 6:40 p.m. Brilliant white slightly green fireball first stationary then fell with slight	secs?	2		
		secs?	2		
	284	82° 36′ W). 10:20-10:50 p.m. (EST). While driving W on Cortez Rd 1-1/2 miles W of the Hwy 41 intersection, USAF aircaft engineer Capt. Eckerman Sannes, Acting Chief, Aircraft Branch, 3200th Climatic Test Sq, Air Proving Ground, Eglin AFB, formerly AMC Intelligence Dept Air Documents Div Dec 1945-Sept 1948, and his wife Mrs. Dorothy L. Sannes, saw a brilliant (pale red?) light with cigar-shape or cucumber-shape faintly outlined against the sky first seen in the S heading N at 0° heading [thus directly towards them] at 10:20 p.m. (wife reported 11:20 p.m.), estimated distance about 8-11 miles at about 8,000 ft at about 10° elevation gradually descending, stopped car, lost sight behind tree tops. Resumed driving when about 2 miles down the road saw UFO again in the S at about 10:27 p.m., stopped car again, got out. They saw UFO gradually turning towards a W or 270° heading, estimated to be as long as 2 Pullman railroad cars [about 2 x 60-80 ft], with 7 lighted square windows and throwing sparks 4 per sec. UFO climbed erratically in "bounces of approximately 2,000 feet" with occasional rapid drops of about 2,000 ft, with net overall increase in altitude to disappearance due to distance over the Gulf of Mexico at about 40,000 ft. UFO bouncing motion started after W turn, speed estimated at about 400-500 mph. Observed with 7 x 50 binoculars. (Sparks; BB files; Berliner; Saunders/FUFOR Index) Jan. 30, 1949. Near Amarillo (at 34°50' N, 102°5' W) to near Lamesa (at 32°48' N, 102°22' W), Texas. 5:54 p.m. (MST). Thousands of witnesses over several states saw spectacular green fireball, N-S trajectory [azimuth heading 186.7°] triangulated by Dr. Lincoln LaPaz as 12 mile altitude over Amarillo area descending slightly on nearly horizontal 143-mile [actually 141 miles] path to near Lamesa disappearing about 8 miles altitude, velocity estimated at 25,000 to 50,000 mph by triangulation and reenactment timings. From numerous AF witnesses at Walker AFB, Roswell, LaPaz measured with transit first appearance at 52° magnetic beari	82° 36' W). 10:20-10:50 p.m. (EST). While driving W on Cortez Rd 1-1/2 miles W of the Hwy 41 intersection, USAF aircaft engineer Capt. Eckerman Sannes, Acting Chief, Aircraft Branch, 3200th Climatic Test Sq, Air Proving Ground, Eglin AFB, formerly AMC Intelligence Dept Air Documents Div Dec 1945-Sept 1948, and his wife Mrs. Dorothy L. 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166.	Feb. 17, 1949. SE of Grants (at 35° 7' ±2' N, 107°47' ±2' W), Sandia Base, and near Albuquerque (at 35° 5' N, 106° 35' W), New Mexico. 5:57-6:06 p.m. Green Oil Co. truck driver Herman Wilcox, at Chief's Rancho stop on Hwy 66 SE of Grants, NM, saw oval luminous white light with faint trail of white smoke in the SW at about 225° azimuth moving S in vertical climb then leveled off, then a gradual ascent, disappearing suddenly after several secs, no clouds in the sky to obscure it. Univ. of NM Prof. of Civil Engineering Marvin May, an associate of Dr. Lincoln LaPaz in meteorite tracking, saw a brilliant white object in the W at 6° elevation at 5:57 p.m. for >6 mins total. Object was first round [1/3 Full Moon in size at this point apparently] then shifted to ellipse as it approached then appeared to be elongated like a bent pipe with corners, 1 Full Moon in length and 1/10 in width. Object made slight climbing turn to the N, shifted to peach color [yelloworange?] as it made rapid sharp turning climb to the S at the end, disappearing in cloudless sky by diminishing in size and brightness. 100 Sandia Base guards including	9 mins	100+	1	UNM Civil Engr Prof / meteorite tracker (LaPaz assoc.)
	Officer of the Guard saw a yellow-orange cigar or yellow-red cigar-shaped object for 7 minutes from 5:59 to 6:06 p.m. (Sparks; BB Maxwell Microfilm Roll 5, pp. 546-557, NARA Microfilm Roll 88, p. 401, Roll 91, p. 412; FOIA; Saunders/FUFOR Index)				
167.	Feb. 23, 1949. Sandberg Pass 40 miles S of Bakersfield, Calif. 10:30 p.m. USAF pilot of T-11 with 703rd Air Reserve Division saw a sausage-shaped object circle the plane at 10,000 ft in 360° and 180° turns. (Sparks; Project 1947; Saunders/FUFOR Index)	40 secs	1		
168.	Feb. 27, 1949. Los Alamos, New Mexico (35.89° N, 106.31° W). 7:05 p.m. Green-white fireball seen in horizontal flight parallel to earth from W to E, abruptly disappeared. (Sparks; BB NARA Microfilm Roll 91, p. 412; FOIA; Saunders/FUFOR Index)	2 secs	1		
169.	March 2, 1949. Los Alamos, New Mexico (35.89° N, 106.31° W). 12:10 a.m. Sewald saw high speed light in horizontal flight low in the sky N to S, disappearing behind trees. [Meteor?] (Sparks; BB NARA Microfilm Roll 91, p. 412; FOIA; Saunders/FUFOR Index)	2 secs	1		
170.	March 3, 1949. 0159 1 R Los Alamos, New Mexico straight down straight down bright green disappeared (1) (3) Sparks; AFOSI-LaPaz Catalog May 1950)		1		
171.	March 6, 1949. Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 8:20 [9?] p.m. Army artillery observers with triangulation equipment, Sgt. Hubert Vickery and PFC John Ransom, on patrol at the AFSWP (Armed Forces Special Weapons Project) national nuclear weapons storage Site B saw a blue-white oblong object about 2 ft x 1 ft in size with a trail travel from 286° to 279° azimuth elevation 5°45' [6°45'? 6°41'? poss. typos] height about 600 ft. No sound. Other sightings by Army patrols from 8:30 p.m. [8:45? 9?], 1:10, 1:15 to 2 a.m. (Sparks; BB NARA Microfilm Roll 91, p. 412, Maxwell Roll 5, p. 627; FOIA)	1 sec	2		

172.	March 6, 1949. Killeen Base/Site B [Nuclear Weapons	1 sec	1	
	National Stockpile], Camp Hood, Texas (31° 3'53" N,	500	1	
	97°49'40" W). 8:45 p.m. Army artillery observation			
	patrol saw a light-colored round object with trail about 10°			
	long travel S to N from azimuth 189° elevation 21° to			
	azimuth 210° elevation 6°31'. No sound. Other sightings			
	by Army patrols (see above, below). (Sparks; BB NARA			
	Microfilm Roll 91, p. 413, Maxwell Roll 5, p. 627; FOIA)			
173.	March 6, 1949. Killeen Base/Site B [Nuclear Weapons	1 sec	2	
	National Stockpile], Camp Hood, Texas (31° 3'53" N,			
	97°49'40" W). 9 [8:20?] p.m. Army artillery observation			
	patrol saw a blue-white ball-like "fixed flash," size of			
	basketball [?], in the NE at azimuth 40° elevation 59°. No			
	sound or trail. Other sightings by Army patrols (see			
	above, below). (Sparks; BB NARA Microfilm Roll 91, p.			
174	413, Maxwell Roll 5, p. 627; FOIA)	1		
174.	March 7, 1949. Killeen Base/Site B [Nuclear Weapons	1 sec	1	
	National Stockpile], Camp Hood, Texas (31° 3'53" N,			
	97°49'40" W). 1:15 a.m. Army artillery observation			
	patrol saw a brilliant blue-white flash of light like flash-			
	bulb in the NE at azimuth 40° elevation 66°15'. No			
	sound. [Meteor?] Other sightings by Army patrols (see above, below). (Sparks; BB NARA Microfilm Roll 91, p.			
	413, Maxwell Roll 5, p. 627; FOIA)			
175.	March 7, 1949. Killeen Base/Site B [Nuclear Weapons	1 sec	1	
1/3.	National Stockpile], Camp Hood, Texas (31° 3'53" N,	1 500	1	
	97°49°40" W). 1:30 a.m. Army artillery observation			
	patrol saw a blue-white ball-like "fixed flash," size of			
	basketball [?], in the NNE at azimuth 16° elevation			
	27°30'. No sound. [Meteor?] Other sightings by Army			
	patrols (see above, below). (Sparks; BB NARA			
	Microfilm Roll 91, p. 413, Maxwell Roll 5, p. 627; FOIA)			
176.	March 7, 1949. Killeen Base/Site B [Nuclear Weapons	1 sec ?	2	
	National Stockpile], Camp Hood, Texas (31° 3'53" N,			
	97°49'40" W). 1:30-2 a.m. Army artillery observation			
	patrol saw a bluish-white ball-like flash of light like flash-			
	bulb in the WSW at azimuth 250° elevation 26°. No			
	sound. Other sightings by Army patrols (see above,			
	below). (Sparks; BB NARA Microfilm Roll 91, p. 413,			
	Maxwell Roll 5, p. 627; FOIA)			
177.	March 7, 1949. Killeen Base/Site B [Nuclear Weapons	2 secs	1	
	National Stockpile], Camp Hood, Texas (31° 3'53" N,			
	97°49'40" W). 1:45 a.m. Army artillery observation			
	patrol saw an orange tear-drop shaped object, 2 x 1 ft in			
	size [?], drop vertically to ground, in the ENE at azimuth			
	60°. No sound. [Meteor?] Other sightings by Army			
	patrols (see above, below). (Sparks; BB NARA			
	Microfilm Roll 91, p. 413, Maxwell Roll 5, p. 627; FOIA)			
178.	March 7, 1949. Window Rock, Ariz. 6:10 p.m. Sighting	6-8 secs	1	
	of round object fire red in the center shading to blue at			
	edge, 3 ft in diameter [?], traveling estimated 200-300			
	mph, in the N at elevation 40°-45° disintegrating at the			
	end. No sound. (Sparks; BB NARA Microfilm Roll 91,			
	p. 414)	<u>. </u>		

170		March 9 1040 William Daga/Cita D Di-1 W	5 ~~~ 9	2		
179.		March 8, 1949. Killeen Base/Site B [Nuclear Weapons	5 secs?	2		
		National Stockpile], Camp Hood, Texas (31° 3'53" N,				
		97°49'40" W). 1:03 [2?] a.m. Army artillery observation				
		patrols in separate locations 1/2 mile apart sight different				
		[?] lights, one pale white light with roundish haed and				
		hazy smoke trail (streak? 900 ft height?) seen by Payne				
		moving in an arc from 122° to 126° azimuth [southward?]				
		from 58° to 54° elevation, the other, by Cpl. Luke Sims,				
		was of a lemon-shaped red light with whitish nose and red				
		trail in level flight about 15° above horizon crossing 60° of				
		sky from 304° to 244° azimuth [WNW to WSW].				
		(Sparks; BB Maxwell Microfilm Roll 5, p. 627, Roll 91,				
		p. 414; FOIA; Saunders/FUFOR Index)				
180.		March 8, 1949. Los Alamos and Kirtland AFB, New	2-4 [1-	3+		
		Mexico. 6:35-6:36 p.m. Los Alamos AESS guards	2?] secs			
		Patterson and Lang at guard stations 103 and 106 saw	,			
		noiseless greenish-white light in the WSW heading SE,				
		descending at 60° [45°] angle. Kirtland Control Tower				
		saw same object to the NW descending vertically.				
		(Sparks; BB Microfilm Roll 88, p. 373, Roll 91, p. 414;				
		AFOSI-LaPaz Catalog May 1950; Saunders/FUFOR				
		Index)				
181.		March 13, 1949. Albuquerque, New Mexico. 9:53 p.m.	2-4 secs	1	1/2	
101.		2155 NE to SW or SW to NE 20° above horizon	2 7 3003	1	1/2	
		descending slightly bluish or greenish				
		white Yes none length twice diameter				
		of ball (1) (Sparks; AFOSI-LaPaz Catalog May 1950;				
		BB Microfilm Roll 91, pp. 414ff.)				
182.		March 14, 1949. Aircraft bet. Honolulu and Canton	10 secs	1		
102.		Island. bet. 9 and 9:16 a.m. (GMT). 00-00-16Z 6° -	10 3003	1		
		<u> </u>				
		nose like bullet 65° in 9 secs (1) (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB				
		Microfilm Roll 91, pp. 414ff.)				
183.	319	March 17, 1949. Killeen Base/Site B [Nuclear Weapons		multi		real-time
103.	313	National Stockpile], Camp Hood, Texas (31° 3'53" N,				
				ple		triangulatio
		97°49'40" W). 7:52 [7:47?] p.m. Capt. Horace W.				ns
		McCulloch, Asst. G-2 of the 2nd Armored Division at the				
		nuclear weapons storage site, in the "Q" Area [nuclear				
		weapons storage facility] was preparing the test firing of				
		flares in order to prove recent sightings were mistakes				
		when he, his men and CIC Special Agent Raymond				
		Schmiedeke themselves saw aerial phenomena, 7 separate				
		sightings [first 3 were yellow lights then 1 red light] by				
		trained artillery observers in different locations enabled				
		rapid triangulation of large, green, red and white flare-like				
		objects flying in generally straight lines. (Sparks; BB				
10:		Maxwell Microfilm Roll 5, p. 627; FOIA)	0.5			
184.		March 18, 1949. Fort Chimo, Quebec, Canada (46°50' N,	2-5 mins	4+		
		71°15' W). 7:50 p.m. (EST). USAF and RCAF personnel				
		at Detachment Crystal-I, 1227th Air Base Sq, including				
		USAF 1st Lt. and Warrant Officer JG, RCAF Flying				
		Officer/Liaison Officer Brodribb, and a USAF civilian				
		employee, saw a red light like an aircraft light to the S				
		traveling W to E at high altitude estimated 10,000 ft and				
		200-250 mph silently with stops and starts and flickering,				
		and a turn to the S at the end. (Sparks; FOIA)				

185.	March 27, 1949. Tucumcari (35°10' N, 103° 44' W), Montoya (35°6' N, 104°4' W), New Mexico. 6-6:30 p.m. Various witnesses, including police officer, postmaster (Montoya, N.M.), newspaper editor (<i>Tucumcari Daily News</i>), saw a contrail-like yellow-amber-orange object, length/width ratio 5:1, 1/6 moon's diameter, slowly moving from S (205° azimuth) to W (254° azimuth) at about 45°-60° elevation (75° at Montoya moving 180° to 260° azimuth), wiggling slightly, at first in a vertical orientation [?], dived steeply-leveled-climbed 2-3 times,	15-30 mins	5+	1/6	triangulatio n?
	reversed course once at top of a climb, a bright glitter of white light at a leveling off. No sound or trail. (Sparks; AFOSI-LaPaz Catalog May 1950; FOIA; BB Microfilm Roll 91, pp. 414ff.)				
186.	March 29, 1949. Shemya AFB, Aleutian Islands, Alaska (52°45' N, 174° 5' W). 10:05 p.m. USAF crew of B-29 bomber saw a dull yellowish light flying at 2,400 ft. (Sparks; Project 1947)				
187.	March 31, 1949. E of Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 11:50 [9:50?] p.m. Army Lt. Frederick Davis on patrol saw a reddish white round ball of fire [size of basketball?] with a trail, at azimuth 112° [?] elevation 70° moving horizontally overhead and over the base airstrip, parallel to road, at estimated height of 2,000 ft heading 240° [?], disappeared (at 123°? azimuth). David noted severe interference on the field telephone afterward when he reported it. (Sparks; BB Maxwell Microfilm Roll 5, p. 628, Roll 91, pp. 414ff.; FOIA)	10-15 secs	1		EM
188.	April 3, 1949. 1 mile SE of Dillon, Montana. 11:55 [11:50?] a.m. Miller Construction Co. owner Gosta Miller, who was a commercial pilot / aviation engineer, plus 3 other witnesses – an employee, a trucking company owner and a gas station attendant (Lovell, Lessey, Greene) – saw an object like two inverted plates attached face-to- face, matte blue-grey or greenish-grey non-reflective bottom, bright aluminum top reflecting sunlight, 20 ft diameter (others estimated 15-25 ft), 4-5 ft thickness. Object seen over the N end of town at 3,000-5,000 ft height about 4 miles away moving in several directions rocking or rotating in semi-circles 6 times, move E descending rapidly to about 700-1,000 ft height, rock again a few times with upper side now visible reflecting sunlight, fly SW to 2 miles W of Dillon, rock again a few times, then rapidly flew over airport 12 miles NE of Dillon at 1,000 ft departing rapidly to the E disappearing over mountains. No sound or trail. Speed > 1,000 mph so great object seemed blurred. (Sparks; Berliner; cf. FOIA; Jan Aldrich)	several mins	4	1/5	aviation engineer
189.	April 4, 1949. Merced, Calif. 10:20 p.m. Major William Parrott, former Air Force pilot, saw a generally round object with curved bottom and dull coloring, giving off clicking sound until overhead. Parrott's dog reacted. (Sparks; Berliner)	35 secs	1		

190.	April 5, 1949. Los Alamos, New Mexico. 11 [10?] p.m. 2200 S to N app 300' above S slope of Pajarito Mt Arc geen w/red afterglow none tremendous speeddisappeared behind mountain (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	½-1 sec	1		
191.	April 6, 1949. Los Alamos, New Mexico. 12:05 p.m. SE about 15,000' between dk & lt green none very fast (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	3-5 sec	1		
192.	April 7, 1949. Los Alamos, New Mexico. 1-1:35 a.m. W S to N about 200 yds fr top of hillgreen none moved very slowly (1) (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	5-45 secs	2		
193.	April 6-7, 1949. Memphis, Tenn. (35° 8' N, 89°59' W). 12:01 [12:30?], 2, 3:30, 4 a.m. Housewife Mrs. Mike Love Stewart and Dorthy [Dorothy?] Hall (and Helen Howell?), a husband and son, saw 6-9 climbing, diving, whirling yellow or silvery oval objects which avoided 3-4 airplanes, traveling from SW to SE about 45° elevation about 1-2 miles away, 1/4 moon angular size. (Sparks; FOIA)	2-4 hrs	5+	1/4	
194.	April 7, 1949. March AFB, Riverside, Calif. (34.12° N, 117.29° W). Bet. 2:45 and 3:00 p.m. Air National Guard Lts. Reeser and Salter, pilots in a T-6 heading SE over March AFB's radio beacon at 7,000 ft, first saw about 1,000 ft below them for 4-5 secs a tumbling red and grey wingtip-tank-shaped object, smaller than a T-6, and then 4 white domed-disc parachute-shaped objects separated by about 1,000 ft each. They circled around and copilot saw the 4 white parachute shapes, no shroud lines, etc., and climbed to 9,000 ft for a better look but the objects disappeared to the E. (Sparks; FOIA; Saunders/FUFOR Index)		2		
195.	April 12, 1949. Albuquerque, New Mexico. 7:30 p.m. SE to NW 20° above horizon white none none round 15° in 8 secs Extinguished (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	8 secs	1	1/8	

196.	April 15, 1949. Peterson AFB (elev. ~6200 ft), Colorado	25-30	3	1/2	
170.	Springs, Colo. 3:30 p.m. (MST). USAF 15th AF Aircraft	secs	3	1/2	
	Maint Ofcr, Major Joe R. Bullock, MSgt Leonard Fink,	sees			
	Line Chief, and S/Sgt Walter J. Morbeck, Crew Chief, all				
	of 15th AF Hq, on ramp in front of Operations Bld,				
	Peterson AFB. Morbeck first sighted the 2 objects to the S				
	at about 30° elevation (called "10 o'clock" elevation angle				
	not to be confused with bearing), estimated distance about				
	20 miles, called attention to the others nearby (Bullock				
	sighting for about 15 secs from that point and Fink about				
	20 secs). Objects were perfectly round, with color of				
	unlighted, frosted electric light bulbs in straight and level				
	course at what seemed to be about 30,000 ft height [20 mi				
	distance at 30° elevation would correspond to about				
	50,000 ft height]. Angular size estimated as somewhat				
	smaller than B-29 at 30,000 ft [$\approx \frac{1}{2}$ Full Moon approx.].				
	Object on the left was an apparent distance of [about 4° to				
	5°] behind the lead object, but with increase of speed when				
	about overhead the trailing object overtook the lead object				
	in about 2 secs and flew in close formation thereafter.				
	Speed estimated at about 1,800 mph by assuming estimate				
	of 40,000 ft distance covered in 12.5 to 15 secs [from				
	overhead to disappearance at apparently about 30°				
	elevation] in the N. [Speed burst over about 4°-5° in 2				
	secs at 30,000 ft height would roughly double the initial				
	1,800 mph to an average ~3,600 mph with acceleration to				
	peak velocity ~5,400 mph then deceleration back to 1,800				
	mph at about 150 g's]. (Sparks; BB files)				
197.	April 15, 1949. El Paso, Texas. 4:30 p.m. Straight up	15 mins	1		
	about 30° grayish Yes none thin				
	smoke trail very thin dissipated (2)				
	(Sparks; AFOSI-LaPaz Catalog May 1950; BB				
	Microfilm Roll 91, pp. 414ff.)				
198.	April 18, 1949. Flagstaff and Williams, Ariz. 1:48 a.m.	1-2 secs	2		
	NW app 12,000' to one. 75 - 100 miles to other				
	observer greenish blue none ball like 100				
	watt light bulb disappeared behind obstacle (1)				
	(3) (Sparks; AFOSI-LaPaz Catalog May 1950; BB				
	Microfilm Roll 91, pp. 414ff.)				
199.	April 20 [21?], 1949. Ludington, Mich. Afternoon. Paul		2		
	Timm and Pat O'Connell, high school students, saw a fast				
	moving white "comet with a tail" cross the sky to the W				
	disappearing over Lake Michigan. (Sparks; FOIA;				
200	Saunders/FUFOR Index)	2 .	-		
200.	April 22, 1949. Cliff, New Mexico. 9:05 a.m. W to E	2 mins	1		
	20° dropping slowly aluminum none				
	none round, flat thin, disc-shape over 15' in diameter				
	disappeared behind mountains (2) (Sparks;				
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
	pp. 414ff.)			<u> </u>	

201. 358	April 24, 1949. 3 miles N of Arrey, New Mexico (at	~50-80	5	1/20 to	theodolite
	32°52.5' N, 107°19.5' W). 10:33 a.m. (MST). General	secs		1/25	
	Mills meteorologist and balloon expert Charles B. Moore			(0.02° to	
	and 4 Navy artillery fire-control crew on a balloon launch			0.03° or	
	team (William Akers, Richard G. Davidson, Clifford E.			poss 0.4	
	Fitzsimmons, Moorman) saw a white, round ellipsoid,			to 0.6°	
	shadowed yellowish on one side, length/width ratio 2.5x,			equiv in	
	cross the sky from the S (azimuth 210° elevation 45° only			theod)	
	reported by Moore; Akers first saw object while watching			theod)	
	balloon at 175° azimuth 45° elevation; Fitzsimmons first				
	saw it in the E; Davidson first saw it in the ESE at				
	elevation about 35°). Object moved to the E at about 5°/sec angular velocity (per Moore) possibly representing				
	peak angular velocity, or 2.5°/sec (per Akers), possibly				
	representing roughly the average angular velocity since the				
	latter is more consistent with total azimuth change (about				
	185° to 190° according to Moore; only roughly 100° to				
	150° per the crew) in the total duration of azimuthal				
	change (about 50 secs per Moore, about 50-80 secs per the				
	crew). Object passed near the sun (127° azimuth 61°				
	elevation at 10:33 AM), roughly followed by Moore				
	attempting to view it through ML-47 David White				
	theodolite (21x telescope with 2° field of view, and/or 4x				
	wide-angle 10° viewfinder) after it came out of the sun,				
	but because of its speed Davidson had to visually point the				
	theodolite through the naked-eye open sight while Moore				
	tried to catch it in the telescopic view (previously				
	Davidson viewed through the theodolite tracking the slow-				
	moving balloon and was told by Moore to train it on the				
	UFO). Davidson stated that Moore could only get the				
	object within the telescopic view of the theodolite for				
	about 1 sec when about NE "and could never get on it				
	again" (Akers agreed that it was caught by Moore in				
	theodolite only a "fraction of a second" because of its				
	speed). Object seemed to turn to the N, until reaching and				
	maintaining a constant azimuth at about 20°-25° (5° per				
	Davidson's diagram) when it suddenly climbed from 25°				
	to 29° elevation in 10 secs (exact numbers only reported				
	by Moore; Davidson said it was lost at about 35°),				
	diminishing "rapidly" in apparent size (possibly by factor				
	of about 3.5x), and disappeared by distance (per Moore) or				
	dust obscuration (per Akers and Davidson; Moore				
	claimed "no dust"). Distance unknown; by assuming 70				
	miles (67-72 mi increasing to 250 mi at end), horizontal				
	velocity as object allegedly circled the site (per Moore				
	only) is then 7 mi/sec or 25,000 mph (earth escape				
	velocity not orbital velocity 5 mi/sec) but this is pure				
	assumption (at 7 miles slant range the speed would only				
	have been about 2500 mph, etc.). At Akers' slower				
	average angular velocity of 2.5°/sec the linear speed at the				
	assumed 70 miles distance would be about 12,500 mph (or				
	1250 mph at 7 miles). Object size at the larger assumed				
	distance would be about 100 ft, or at the smaller distance				
	about 10 ft. If disappearance was due to a distance				
	increase of a factor 3.5x, using the smaller distance (7				
	miles) speed might have reached peak of about 13,000				
	mph at the end, accelerating at about 50 g's, to a terminal				
	altitude of about 14 miles (70,000 ft). Projected target				
	radiant at 5° ascent angle, assuming disappearance by				
	distance, at 20° azimuth is approximately 9 hrs Right				
	Ascension +55° Declination. Possibility of escaping,				
	tangential grazing meteor fireball that skipped back into				
	space requires discarding some sighting details including				
	theodolite measurements, size, shape, reported curving or				

T	T		1	1	
202.	April 25, 1949. 4 mi NW of Springer (at Springer Lake), New Mexico. 6:30-7:30 a.m. Ex-pilot Philip M. Abreu and Nolan Clegg, coffee shop owner, saw silvery white spherical objects like Christmas ornaments fly over the lake at high speed, reappearing repeatedly with a high-pitched whistling sound several secs each time. First group was of 11 objects, at 6:30 a.m. for 10+ secs. 2nd group was of 9 objects heading due W, seen about 5-10 secs at about 6:40 (or about 6:32-6:33) a.m., with one object departing from group to SW when overhead. 3rd group was of 2 objects both heading E, with wider separation from each other than previous groups, at about 7:00 a.m. About 7-9 more groups of 2+ objects passed over witnesses now in a boat on the lake, passing over from W to E. Last group was of 5 objects in a line came from N heading S, at about 7:30 a.m. [or somewhat later]. well above 30,000' silvery white none 4 grps totaling about 20 sec yes round very small very fast well above speed of sound disappeared from view (2) (Sparks;	1+ min total ?	2		
	AFOSI-LaPaz Catalog May 1950; FOIA; Saunders/FUFOR Index)				
203.	April 27, 1949. SE of Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 9:20 p.m. (CST). 2 Army soldiers [Pillett and Belisandro?] on patrol saw a blinking violet object 1-1/2 inches in diameter, 10-12 ft away in the N hovering, about 6-7 ft above ground, then began moving fast headed W down a road, then began making an arc (curved path) still maintaining same height, passing through branches of a tree before disappearing. (Sparks; BB Maxwell Microfilm Roll 5, p. 628; FOIA; Saunders/FUFOR Index; Jan Aldrich)	1 min	2	(0.6°- 0.7°)	
204.	April 27, 1949. SE of Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 9:35 [9:25?] p.m. (CST). Army security patrol, Lt. Howard Kitterman, PFC Leslie Lockhart, Pvt. Clement DeAmicis, Pvt. Joseph P. Landry, 6th Tank Battalion, sighted a 4-inch bright light with no glare, with a 3-4-inch metallic cone trailing in the back, 600 ft away 6-7 ft above ground silently approaching from azimuth 40° (about NE) in level flight at 60-70 mph heading directly towards them on heading 220°, starting curving path, disappearing suddenly in the SW at 150 ft away. At 9:37 p.m. the same witnesses saw a 2-inch white light appear 100 ft away to the NNE flying in a zigzag in level flight about 6 ft above ground, disappearing suddenly. At 9:39 p.m. the same witnesses saw a 3rd light in the WSW. (Sparks; BB Maxwell Microfilm Roll 5, p. 628; FOIA; Saunders/FUFOR Index; Jan Aldrich)	30-40 secs + 30 secs + ?	4	1/5 + ? (0.1° + ?)	
205.	April 28, 1949. Homer, Mich. 9:15 a.m. William Sackett and William Gibson pursued 6 flying discs 10 inches diameter by car along Hwy 60 for 5 miles as they flew at low altitude in "wide circles" paralleling the road. (Sparks; FOIA)	5 mins ?	2		

206.	361	April 28, 1949. Tucson, Ariz. (32.23° N, 110.96° W).	12-40	3 + ?		
		5:45 p.m. Howard Hann [Hamm?], Mr. Hubert [Huber?]	mins			
		and Tex Keahey saw a very large bright, sausage-shaped				
		object, with no fins, wings or protuberances, roll and fly				
		fast. NE to SE or SW silver none none				
		cigar or sausage shape from B-29 to a city				
		block 300 - 600 mph faded from view (2) (Sparks;				
		AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
		pp. 414ff.; FOIA; Saunders/FUFOR Index)	_			
207.		April 28, 1949. SE of Killeen Base/Site B [Nuclear	various	12		
		Weapons National Stockpile], Camp Hood, Texas (31°				
		3'53" N, 97°49'40" W). 8:30, 8:37, 8:40, 9:00, 9:10, 9:30				
		p.m. Several Army security patrols sighted a variety of				
		strange lights, mostly slow-moving changing color from				
		white to red to green, one with a red blinking light, one				
		with a "cone-shaped affair" trailing in the rear similar to				
		one seen the day before. (Sparks; FOIA)				
208.		April 30, 1949. Albuquerque, New Mexico. 10:15 p.m.	2 secs	1	1/10	
200.		E to W 59° above horizon blue green none	2 3003	1	1/10	
		2 sec 2° none round went out(1) (Sparks;				
		AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
		1				
200		pp. 414ff.)	2.4	1	1/100	1 1
209.		May 2, 1949. Elko, Nevada. 11:40 a.m. CAA radio	3-4 mins	1	1/10 ?	binoculars
		operator Mr. Small using field glasses saw 3 flying discs			(0.4°?	
		30 ft diameter at 14,000 ft moving (heading?) SW at 300-			equiv in	
		400 mph make a left turn and depart ahead of a United			binocs	
		airliner taking off from Elko airport. (Sparks; FOIA;)	
		Saunders/FUFOR Index)				
210.		May 3, 1949. Los Alamos, New Mexico. 9:26, 9:43,	2-10	3 + 1		
		10:05 p.m. S to N 10° - 15° above horizon	secs;			
		bright white light 10 secs none	then 3 - 7			
		very fast up to 1,000 mph (1) (3)	secs each			
		60 490503 2126 2143 2205 S to W 10° - 15°	time			
		above horizon white none				
		large- similar to size of airplane landing lights				
		very fast 2126 - white 2140 - red 5 sec				
		1st; 2 sec 2nd none 2126-baseball				
		diamond lights. 2140-slightly larger than firebox lights				
		same speed as aircraft landing (1) (3)				
		(Sparks; AFOSI-LaPaz Catalog May 1950; BB				
		Microfilm Roll 91, pp. 414ff.)				
211.		May 3, 1949. Sidney, Ohio. 9:00 a.m. Store owner	2 mins	2	20 ?	
		Wilford and Sprague saw bright shiny disc high overhead				
		at about 85° elevation heading NE wavering, climbing and				
		descending slightly on a straight path. (Sparks; FOIA;				
		Saunders/FUFOR Index)				
212.		May 4, 1949. 4-1/2 miles W of Maplewood, Ohio	<2 mins	1	30 ?	
		(40.377° N, 84.029° W). 6:30 p.m. Ms. Wical saw bright	2	•	50:	
		silver flat circular object to the SE traveling NE with sun				
		glaring off the surface, spinning at high altitude, no sound				
212	277	or trail. (Sparks; FOIA; Saunders/FUFOR Index)	20.50	2		
213.	376	May 5, 1949. Ft. Bliss, Texas. 11:40 a.m. Army officers	30-50	3		
		Maj. Day [May?], Maj. Olhausen, Capt. Vaughn saw 2	secs			
		oblong white discs, flying at about 200-250 mph, make a				
		shallow turn. (Sparks; Berliner)				
				-		

214	ı	N. (1040 G'1 O1' 020 G			20.0	I
214.		May 6, 1949. Sidney, Ohio. 8:30 a.m. Stump, Herman and Quinn saw a bright object about 1/2 mile to the W moving S at high speed, no trail or sound, one saying it	2 mins	3	20 ?	
		was too bright to see the shape the other saying it had a				
		flat circular shape. (Sparks; FOIA; Saunders/FUFOR				
		Index; Jan Aldrich)				
215.	379	May 6, 1949. Livermore, Calif. (37.69° N, 121.76° W).	5 mins	1		
		9:35 a.m. C. G. Green saw 2 shiny, disc-like objects rotate				
		around each other and bank, then one shot upwards with a				
		grey trail and rejoined the other. (Sparks; Berliner)				
216.		May 6, 1949. Los Alamos, New Mexico. 1:05 a.m. N to	<1 sec	1	1/8	
		S 5° above horizon was going down at an angle of				
		30° - 35° green none round very				
		high rate of speeddisappeared west of Jemez Mts (1)				
		(Sparks; AFOSI-LaPaz Catalog May 1950; BB BB				
217.		Microfilm Roll 91, pp. 414ff.) May 6, 1949. Killeen Base/Site B [Nuclear Weapons	50 mins	4+	4-6?	real-time
41/.		National Stockpile], Camp Hood, Texas (31° 3'53" N,	JU IIIIIIS	+ +⊤	4-0 :	triagulation
		97°49'40" W). 8:40-9:30 p.m. (CST). UFO observation				?
		network using Army artillery observers, headed by Task				•
		Force Commander Lt. Mardell E. Ward, established 2 days				
		earlier after a series of unexplained UFO incidents over				
		the previous 2 months observed by 100+ men and officers,				
		tracks its first object with artillery sighting instruments,				
		field binoculars and Battery Commander 25-40x scope.				
		Brilliant light to the W and N, moving back and forth 900				
		to 1,200 ft (around?) azimuth 292.5° [WNW], tracked by				
		all 4 Observation Posts at distance 12,000 ft [from main				
		Plotting Center], height 1200 ft dropping to 440 ft,				
		alternating pinkish to green, apparent size 1/2 dollar at				
		arm's length diminishing to quarter coin size, moving very				
		slow, faded from sight by growing smaller [with distance].				
		Project Grudge claimed UFO was Venus, ignoring the				
		multiple 2-mile triangulations, and the fact Venus set at				
		about 7:37 p.m. CST. (Sparks; AFOSI-LaPaz Catalog				
		May 1950; BB Maxwell Microfilm Roll 5, p. 628, Roll				
210		91, pp. 414ff.; FOIA; Jan Aldrich)				
218.		May 7, 1949. S St. Louis, Missouri (38.63° N, 90.21° W).		1		
		7 p.m. (CST). Just after sunset Vaughn saw the sun				
		glinting off a flat reddish-brown object, "somewhat				
		triangular" shaped, oscillating, the size of a private plane				
		but faster. (Sparks; FOIA; Saunders/FUFOR Index)				

210	Mar. 7, 1040, William Day-/Cit. D. Distriction W.	£7	2.	1 /2	man1 4:
219.	May 7, 1949. Killeen Base/Site B [Nuclear Weapons	57 secs	2+	1/3	real-time
	National Stockpile], Camp Hood, Texas (31° 3'53" N,				triangulatio
	97°49'40" W). 7:40 p.m. (CST). Lt. Mardell E. Ward, at				n, scope
	the Plotting Center (command post) of the Army's UFO				
	observation and triangulation network established May 4,				
	and an artillery observer at another network observation				
	site, spotted a brilliant white (reddish greenish white?)				
	diamond-shaped object at triangulated location 15,000 ft				
	away at 1,000 ft height to the N and the E headed NW.				
	Object was tracked for 57 seconds as it traveled				
	horizontally 20 mils arc [not miles; about 1.1°] about 300				
	ft at about 3½ mph while changing color from white to				
	reddish to greenish as it dropped altitude and dimmed then				
	disappeared. Object size measured at about 45 ft, from				
	angular size 3 mils (about 0.17° at 15,000 ft range).				
	Battery Commander scope used, 25x-40x. No sound.				
	[Another sighting 8:25-9:05 p.m.] (Sparks; FOIA; Jan				
	Aldrich; AFOSI-LaPaz Catalog May 1950; Loren Gross				
	Jan-Jun 1949 Supp p. 79, erroneously put at Los Alamos;				
	BB Maxwell Microfilm Roll 5, p. 628)				
220.	May 7, 1949. Killeen Base/Site B [Nuclear Weapons	40 mins	4	1/3	real-time
	National Stockpile], Camp Hood, Texas (31° 3'53" N,	10 1111110		1/3	triangulatio
	97°49'40" W). 8:25-9:05 p.m. Lt. Mardell E. Ward, at				n, scope
	the Plotting Center (command post) of the Army's UFO				ii, scope
	observation and triangulation network, and artillery				
	observers at 3 other network observation sites, spotted a				
	brilliant (green-white?) white diamond-shaped object in				
	the SE (and W) at triangulated location 24,000 ft away at				
	1,300 ft height. Object size measured at about 72 ft				
	(angular width 3 mils or about 0.17°), was tracked for 40				
	mins as it traveled 15 mils arc [not miles; about 0.8°]				
	about 360 ft at about 0.1 mph. Battery Commander scope				
	used, 25x-40x. No sound. (Sparks; FOIA; Jan Aldrich;				
	AFOSI-LaPaz Catalog May 1950; Loren Gross Jan-Jun				
	1949 Supp p. 79, erroneously put at Los Alamos; BB				
221	Maxwell Microfilm Roll 5, p. 628)		2 :	1 /5	1
221.	May 8, 1949. Killeen Base/Site B [Nuclear Weapons	9 mins	3+	1/5	real-time
	National Stockpile], Camp Hood, Texas (31° 3'53" N,				traingulatio
	97°49'40" W). 8:08-8:17 p.m. Lt. Mardell E. Ward, at				n
	the Army's UFO observation post, and 2 other posts				
	sighted brilliant (reddish greenish white?) diamond-shaped				
	object to the W (and N and E) moving NW or NE at about				1
	24,000 ft distance at 1,600 ft height slowly dropping.				
	Object size measured at about 48 ft (angular width 2 mils				
	or about 0.1°), was tracked for 9 mins as it traveled 10				
	mils arc [not miles; about 0.5°] about 240 ft at 0.3 mph.				
	Severe radio intereference during sighting, none afterward.				
	(Sparks; FOIA; Jan Aldrich; AFOSI-LaPaz Catalog May				
	1950; Loren Gross Jan-Jun 1949 Supp p. 80, erroneously				
	put at Los Alamos; BB Maxwell Microfilm Roll 5, p.				
	628)				
222.	May 8, 1949. Tucson, Ariz. (32.23° N, 110.96° W). 9:30-	10-20	4		
	11 a.m. MSgt. Troy Putnam [?] plus 3 other witnesses saw	mins			
	round, flat silvery object, about 40-75 ft diameter, in the				
	W flying faster than a jet, in horizontal flight at 4,000 ft,				
	make 90° turn to the N, then rapid climb at 45° angle until				
	out of sight. (Sparks; AFOSI-LaPaz Catalog May 1950;				
	BB Microfilm Roll 91, pp. 414ff.)				
	7187 7				

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223.	May 9, 1949. Tucson, Ariz. (32.23° N, 110.96° W).	6-10 secs	1		
	About 2:30 p.m. MSgt. Troy Putnam saw two round, flat				
	silvery objects, about 25 ft diameter, flying 750-1,000 mph				
	in a banking but steady manner, from SW to NE, which				
	faded from vrew. (Saunders/FUFOR Index; Randle)				
224.	May 9, 1949. White Sands Proving Ground. WSPG				
	Naval Unit Commander, Cdr. Robert L, McLaughlin, with				
	several other officers, witnessed UFO near a WAC-B				
	rocket just launched. (McLaughlin ltr to Van Allen, May				
	12, 1949)				
225.	May 12, 1949 [or 1948?]. Half way bet. Cicero and	1-1/2	1		
223.	Westfield, Indiana. 5 p.m. (CDT) [7? p.m.?]. Private pilot	mins	1		
	William J. McGhee, with WWII aviation experience, was	1111113			
	flying a Cessna 120 almost due S at 10,000 ft when he				
	spotted an object at azimuth 150° [near Eden, Ind.]				
	appearing similar in size, shape and appearance to a				
	Zeppelin traveling almost due W in front of his aircraft [at				
	estimated distance ranging from about 10 to 30 miles as				
	plotted on aeronautical chart] traveling faster than a jet				
	[\sim 40 mi path in timed 1m20s = 1,800 mph]. McGhee				
	began timing the sighting when the object appeared near				
	McCordsville until disappearing in the setting sun's glare				
	at azimuth 250° [near Ladoga, Ind.] However sun set at				
	altitude at about 8 p.m. (CDT) at about azimuth 295°.				
	(Sparks; BB files)				
226.	May 12, 1949. Holloman AFB, New Mexico (at 32°50'	4 mins	1	1/4	astronomer
	N, 106° 4' W, elev. 4,070 ft). 9:30 p.m. (MST). AF				Donald
	contract solar astronomer, Donald H. Menzel, of Harvard				Menzel
	Observatory, was driven by military car from Holloman				
	AFB, on Hwy 70 just outside the base, en route to				
	Alamogordo [and then to Sacramento Peak] [headed ENE				
	on road azimuth 66°], when shortly after leaving the base				
	he saw a bright reddish star Antares about 6°-8° East [to				
	the lower left] of the nearly Full Moon estimated to be				
	15°-18° above the ridge line [99.3% illuminated Moon at				
	, i				
	about 19° elevation 136° azimuth, Antares at about 11°				
	elevation 132° azimuth] rising above the Sacramento				
	Mountain ridge. Shortly afterward he noticed first one				
	small round white light low about 3°-4° over the ridge to				
	the lower left of the Moon and star and then another				
	identical light to the right of the first and in horizontal line,				
	about 3° apart [at roughly 122° to 125° azimuth, 5°-6°				
	elevation, seemingly over Moore Ridge, summit 7,264 ft,				
	32°42'22" N, 105°51'11" W, 15 miles away]. Each light				
	was white possibly slight greenish tinge, about 0 to 1st				
	stellar magnitude, the left one slightly brighter, both				
	increasing in brightness as if possibly rising above a haze				
	layer, both initially "fuzzy" but apparently sharpening in				
	edge contrast. Each light suddenly disappeared one after				
	the other before the car could be stopped. Menzel				
	estimated that as the car traveled 50 mph it created a 3-				
	mile baseline over which he nevertheless noticed no				
	perceptible change in the lights' azimuths, or perhaps no				
	more than 1° to 2°, hence a distance he calculated at 180				
	miles and object "diameter" about "34 mile" (4,000 ft)				
	[correct figure 2,300 ft]. (Sparks; BB NARA Microfilm				
	Roll 88, pp. 904, 920-1; Roll 91, pp. 424-5; Maxwell				
	Roll 6, pp. 241-9)				
	Kuii u, pp. 241-3)				l

227	116 16 10 10 m	0.10		1	1
227.	May 16, 1949. Tucson, Arizona. About 5 p.m. E to W 5000' horizontal black none none round solid flat 3-4' in diameter 800-1000 mph behind aircraft hangar (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	8-10 secs	1		
228.	May 18, 1949. New Orleans, Louisiana. Bet. 4:30 and 4:45 p.m. Mrs. Theodore Michel sighted a luminous sunreflecting silver dinner-plate shaped object in the W rotating end-over-end in a gradual straight climb on an E to NNW heading about 1-1/2 to 2 miles away over Lake Pontchartrain at 45° elevation initially. Estimated size of small single-engine two-seater Naval training aircraft if at 1.5-2 miles distance [≈1/2 Full Moon angular size]. No sound. No visible means of propulsion. Speed about that of small training aircraft. (Sparks; BB files)	10 mins	1	1/2	
229.	May 19, 1949. New Orleans, Louisiana. 4:15 p.m. Mrs. Lucien R. Austin, Jr., sighted a luminous sun-reflecting silver dinner-plate shaped object turning end-over-end in straight level flight on an E to NNW heading about 1-1/2 miles away over Lake Pontchartrain at 45° elevation initially, disappeared when view blocked by nearby building. Estimated size of small training aircraft if at 1.5 miles distance [≈1/2 Full Moon angular size]. No sound. No visible means of propulsion. Speed estimated at 120-140 (or 150-170 mph) mph. (Sparks; BB files)	5 mins	1	1/2	
230.	May 20, 1949. Pontchartrain Beach, New Orleans, Louisiana. 4:25 p.m. Tulane Univ. Associate Professor of Political Science (USAFR Lt Col) John E. Kieffer of 12th AF, Kelly AFB, San Antonio, Texas, was lying on his back at the beach when he sighted a bright, shiny silver flat spherical object in the ENE headed WSW [towards him] joined by 5 smaller similar objects grouped around the larger object which made a large circle over New Orleans Airport, then [main object] made a rotation around its horizontal axis and disappeared. At 45° to 50° elevation initially. No sound. No visible means of propulsion. (Sparks; BB files)	23 mins	1		
231.	May 21, 1949. Hanford AEC plant, Wash. 1:30 p.m. Hanford ADC radar detachment of 637th ACW Sq deteted a stationary object over the East 200 area about 4 mi E of the Hanford Plant, which took off on a SE heading faster than a jet, reported it to the 637th ACW Sq, 505th AC&W Group, Moses Lake AFB, Wash. AF radar crew at 637th ACW (Spokane?) unable to detect object on radar but sighted round white or silver object by telescope (or telescope sighted by Hanford meteorologist Max Segoinns? who estimated altitude at 17,000-20,000 ft), which was heading NE faster than a jet at about 10,000 to 15,000 ft. At 2:20 p.m., USAF F-82 fighter, pilot Gardner, was airborne from Moses Lake AFB, Wash. (47.13° N, 119.29° W), to intercept Track 81 in the ESE from the 637th (Spokane? or Hanford?) detected on radar but target faded from radar scope about 5 mins after F-82 was airborne. (Sparks; BB Maxwell Microfilm Roll 6, pp. 475-9; Hynek UFO Rpt pp. 141-2; Saunders/FUFOR Index; Jan Aldrich; Loren Gross; 505th ACW Group AF History; Todd Lemire)	?	3?		RV, telescope

232.	May 23, 1949. Moses Lake AFB, Wash. 8:45 a.m. (PST). Three USAF pilots, Lt. Col. Walter C. Hearne, Lt. Col. Wallace R. Jordan, and 1st Lt. Gerald B. Blish, sighted from the ground at 325th Fighter Wing, Moses Lake AFB, a small [pinpoint-like] bright silver light traveling at high speed straight and level heading about 15° - 20° course about 5-10 miles away at about 10,000 to 15,000 ft altitude. (Sparks; BB Maxwell Microfilm Roll 6, pp. 565-9)	1 to 1- 1/2 mins	3	point?	
233.	May 24, 1949. Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 12:30 a.m. Round pale-yellow slow-moving light about 6,000 to 9,000 ft away smaller than Full Moon, slightly above horizon. Tracked by Army UFO observation network at Site B nuclear weapons storage stockpile? (BB Maxwell Microfilm Roll 5, p. 630)	60 secs		<1	
234.	May 24, 1949. Rogue River 1-1/2 miles E of Gold Beach, Oregon (at 42°25' N, 124°24' W). 5:00 p.m. (PST). NACA Ames Research Lab employees Don Heaphy and Gilbert Rivera, with Roy McBeth and wives Mrs. Rivera, Mrs. Oliver Elizabeth McBeth and Madlyne [Amlyne?] MacBeth [?], saw in the E at azimuth 60° a hamburger-shaped metallic disc about 25-35 ft to 100 ft wide with a tail fin and "dirty" surface, rough wrinkled surface in the rear, at about 5,000 ft altitude about 1-4 miles away traveling at about C-47 speed (200 mph?) which accelerated to jet speed (600 mph?) to the S, azimuth 170°. Observed with 8x binoculars. (Sparks; Maxwell BB Microfiln Roll 5 pp. 863-879, 890-3; Battelle Unknown 10; Bruce Maccabee; FOIA; Saunders/FUFOR Index; Jan Aldrich)	90 secs-3 mins	5	1/5 - 2	binoculars
235.	May 24, 1949. Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 7:46 p.m. Security agent [Army CIC?] sighted brilliant stationary incandescent round light [low on the horizon?] then sighted the same about 2 secs later but ½ the apparent size. (Sparks; BB Maxwell Microfilm Roll 5, p. 630)	1 sec	1?	2? + 1?	

	Table 45 (40 40 40 40 40 40 40 40 40 40 40 40 40 4	T			
236. 404	May 27, 1949. Near Hart Mtn., south-central Oregon (at 42° 27° N, 120° W). 2:25 p.m. (PST). Oil company vice-president, USNR pilot, former AAF flight instructor, Joseph C. Shell, flew his lightened-load SNJ Navy aircraft from Red Bluff, Calif, to Burns, Oregon, heading NNE at 212 mph ground speed at 9,000 ft above MSL (about 4,000 to 5,000 ft above ground level), saw to his right (about NE) something metallic in the distance [about 20 miles away] at about 42° 38° N, 119° 43°W, which as he approached resolved into 5-8, most likely 6-7, oval or egg-shaped metallic objects, 2:1 length/width ratio, and 1/5 as thick, each the same size less than 20 ft in diameter, fly in trail formation, with an interval equal to 3-4x their length between the lead object and the 2nd object, and only ½ to 2/3 object length spacing between the 2nd and all remaining objects, which separation remained constant almost as if being towed by the lead object. He saw the objects "outlined" against the bluffs of Hart Mtn, and could see the dark ground between each object, and noticed they had slightly changed course from "quartering" path to a path parallel to his course in the opposite direction (heading SSW) at about 230 ±30-40 mph while following the rim of the bluffs (which rim was about 7,000 ft MSL), appeared to be about 1,000 to 1,500 ft below his altitude about 5-1/2 to 7-1/2 miles away at closest approach (to his ESE), but less than the 10-mile distance to the bluffs. Near end of sighting Shell dropped in altitude and then could see the objects at his flight level, at his estimated position 42° 41° N 119° 49° W hence his	5 mins	1	1/30 ?	
237.	May 31, 1949. Misawa AFB, Honshu, Japan (at 40°43' N, 141°22' E). 11:10 a.m. USAF pilot Giles flying F-80 saw a circular object moving at high speed and disappearing into cirrus cloud overcast. (Sparks; Project 1947; Saunders/FUFOR Index)		1		
238.	June 1, 1949. Pine Bush, Stewart Field, Newburgh, and Walden, New York. 6:30-9:30 p.m. (EST). S/Sgt Patrick Murphy at Stewart AFB and 6 others in local area: Allen Bates, Mrs. Monte E. Notton, Fred Willis, Arthur J. Gutter) saw yellow oblong soundless object slowly rotate around the crescent moon disappearing 30° NW of the Moon [which was at about 257° azimuth 46° elevation at 6:30 p.m.]. Murphy noticed a second smaller object near the larger object, using binoculars. Bates at 2 mi NW of Stewart Field estimated 4°/min angular rate, covering 70° of arc at about 40° to 50° elevation azimuth 190° to disappear by fading in NW (315°). Also described as chains of balls of fire. GRUDGE explained away as unknown research balloon [=Skyhook] except did not bother to explain how it was possible to be brightly lighted with power for 3+ hours. Moon and Saturn to the NW of Moon did not set until about 11 p.m. (Sparks; FOIA; Saunders/FUFOR Index)	3 hrs	7	1/4 to 1+	binocs

220	Lune 2, 1040. Les Alemes New Merrice, 12,40 em. Etc.	1	1	1	<u> </u>
239.	June 2, 1949. Los Alamos, New Mexico. 12:40 a.m. E to	1 sec	1		
	N 7000' - 10,000' descending green Yes				
	none ball of light (1)				
	(3) (Sparks; AFOSI-LaPaz Catalog May 1950; BB				
240	Microfilm Roll 91, pp. 414ff.)	2	14:	1/4	1 4:
240.	June 6, 1949. Killeen Base/Site B [Nuclear Weapons	2 mins	multi	1/4	real-time
	National Stockpile], Camp Hood, Texas (31° 3'53" N,	40 secs	ple		triangulatio
	97°49'40" W). 9:05-9:08 p.m. Williams, Jones and others				n
	in the Army UFO observation and triangulation network				
	tracked a hovering orange object about 30-70 ft in				
	diameter, 2 mils angular size, 1 mile above ground, 3				
	miles S of the observation post, 4-1/2 miles S of the				
	Plotting Center, which suddenly started moving in level				
	flight then exploded in a shower of particles. (Sparks;				
241	FOIA; Saunders/FUFOR Index)		1		
241.	June 10, 1949. 20 miles SW of Boston, Mass. USAF pilot		1		
	Kirschbaum flying T-6 with 58th FI Sq saw a white				
	tubular 100 ft long flying at 100 mph, chased but lost.				
2.12	(Sparks; Project 1947; Saunders/FUFOR Index)	4.5	1		
242.	June 11, 1949. Los Alamos, New Mexico. 8:57 p.m. SW	4-5 secs	1	star	
	to NE 25° above horizon green then red at end				
	of flight Yes none size of star				
	(1) (Sparks; AFOSI-LaPaz Catalog May 1950;				
2.42	BB Microfilm Roll 91, pp. 414ff.)		10.	1/50.00	1
243.	June 14, 1949. White Sands Proving Ground, New		12+	1/50 ??	missile
	Mexico. 3:35 p.m. (MST). During the test firing of a			(0.25°	tracking
	Navy rocket [actually AF V-2 rocket No. 47 that reached			equiv in	personnel;
	83 miles altitude] 5 tracking stations observed 2 small			theod ??)	telescope (theodolite)
	circular objects about 1.7 ft in size parallel the 1,500 mph rocket on each side, then the W object passed through the				(theodolite)
	rocket on each side, then the w object passed through the rocket exhaust, joined the E object and both accelerated				
	away. Observed through 20x telescope (theodolite)				
	tracking instrument (with photos? that failed to show				
	UFO's?). 8 mins later a possible 3rd object was sighted.				
	(Sparks; BB Maxwell Microfilm Roll 5, pp. 1466-7,				
	1470; McLaughlin TRUE article Mar 1950;				
	Saunders/FUFOR Index; LA Times, Aug. 30, 1949)				
244.	June 19, 1949. Oak Ridge, Tenn. 12:00 p.m. Mr. & Mrs.	10-15	3		
277.	E. H. Anderson, biologist and schoolteacher at Oak Ridge	mins	,		
	Nat. Lab (ORNL) and Mrs. John A. White, wife of	1111115			
	member of AEC Security Division at ORNL. Sighted 3				
	objects at about 1,000 ft height traveling at 10-15 mph, 2				
	identical metallic rectangular objects about 4-10 sq.ft.				
	area, with flat white circular object in between, in the SE				
	headed NW towards them (opposite the wind) (Sparks;				
	BB files)				
245.	June 20, 1949. Los Alamos, New Mexico. 8:10 p.m. W	1.5-3	2		
	to E green turned orange red before	secs			
	vanishing none none round directly	5505			
	overhead blue green none none				
	vanished as the extinguished (1) (Sparks;				
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
	pp. 414ff.)				
L	FF:/	L	·	L	·

		1		1	1
246.	June 24, 1949. Mesa, Arizona. 3:45-4:30 p.m. No. 1 to	4 for 30	2		
	SE No. 2 to E No. 3 to NE No. 4 vertical No.	mins +			
	5 to E 4 horizontal 1 vertical steel gray none	25 secs			
	disc w/2 flanges max of 400 mph faded from	25 5005			
	view (2) (Sparks; AFOSI-LaPaz Catalog May 1950;				
	BB Microfilm Roll 91, pp. 414ff.)				
247.	June 27, 1949. Albuquerque, New Mexico. 1:38 a.m. W	2 mins	1		
	to E 30° to 90° above horizon similar to star slightly				
	more orange Yes none round slightly larger				
	than brightest star 140° in 2 mins went behind building				
	(3) (Sparks; AFOSI-LaPaz Catalog May 1950;				
	BB Microfilm Roll 91, pp. 414ff.)				
248.			1		
248.	June 29, 1949. Flagstaff, Arizona. 8:10 p.m. E to W30°		1		
	from vertical yellow in front red behind none				
	none bullet shaped 1/2 size of small				
	airplane relatively slow over a hill (1) (2)				
	(Sparks; AFOSI-LaPaz Catalog May 1950; BB				
	Microfilm Roll 91, pp. 414ff.)				
249.	June 30, 1949. Seligman, Arizona. 4:30 p.m. N 30°	8 secs	1		
2 . 7 .	above horizon dull grey none none circle	0 5005	1		
	\mathcal{E}^{-j}				
	appeared 1 1/2" diameter at 10,000' altitude				
	2,000 mph or faster disappeared in				
	distance (2) (Sparks; AFOSI-LaPaz Catalog May 1950;				
	BB Microfilm Roll 91, pp. 414ff.)				
250.	July 3, 1949. Longview, Wash. (46.12° N, 122.95° W).	3 + 2 + 2	150-	1/5 - 2/5	aeronautica
	10:40, 10:49, 11:25 a.m. (PDT?). Aeronautical engineer	mins	200		l engineer
	Moulton B. Taylor with experience in USN guided missile				
	and pilotless aircraft development was airport manager at				
	Longview preparing for an air show when someone				
	pointed out an object in the sky to the NW at about 30°				
	elevation. Taylor immediately announced this sighting				
	over the public address system to the crowd of 150-200				
	observers, including pilots, who watched a metallic discus-				
	shaped object cross the sky from NW to SE (track offset to				
	the W not quite reaching zenith) with an oscillating				
	falling-leaf motion along a straight path and occasional				
	sun glints, estimated altitude 30,000 ft at 300 mph, approx.				
	size of DC-3 [about 100 ft] disappearing in smoke from a				
	wood pulp mill at about 80° elevation after a total duration				
	about 2-1/2 to 3 mins. A 2nd similar object was seen				
	about 6 mins later coming from the N [or NNE] at about				
	the same altitude/distance, at about 45° elevation, heading				
	about due S on slightly curved path (concavity of path				
	away from witness, radius of curvature about 15 miles),				
	disappearing in the sun (about ENE [actually ESE azimuth				
	116° elevation 53° at 10:51 a.m. assumed PDT]) after total				
	duration about 2 mins (on a possibly 8 mile long path [240				
	mph]). Then a 3rd sighting at 11:25 a.m. coming from				
	almost due W [or WNW] at about 40° elevation, on a W-E				
	straight line path (passing to the N, not quite reaching				
	zenith) again at about the same altitude/distance at which				
	time the oscillations were precisely timed at 48/min, and				
	again disappeared in the sun (to the ENE [actually ESE				
	azimuth 127° elevation 58° elevation at 11:27 a.m.])				
	(again on a possibly 8 mile long path [240 mph]). (Sparks;				
	BB Maxwell Microfilm Roll 6, pp. 1227-1240; McDonald				
		1			1
	1968)				

251		L-111 1040 Will D /0'- D DT 1 W	1 2	1	I	
251.		July 11, 1949. Killeen Base/Site B [Nuclear Weapons	2 secs	1		
		National Stockpile], Camp Hood, Texas (31° 3'53" N,				
		97°49'40" W). 9:10 p.m. W by SW 30° above				
		horizon pale red none none ball but not a				
		perfect circle twice as large as evening star such				
		as turning off flashlight (3) (Sparks; BB Microfilm				
2.52		Roll 91, pp. 414ff.)				
252.		July 21, 1949. Mount Pleasant, Utah. 1:13 p.m. (MST).		1		
		Military aircraft pilot Knight saw 2 white or silver objects				
		on headon course below the nose of his aircraft. (Sparks;				
2.50	40.2	Project 1947; Saunders/FUFOR Index)				
253.	483	July 24, 1949. Mountain Home, Idaho (at 43°10' N,	9 mins	1	2 - 4	EM
		115°35' W). 12:03-12:12 p.m. (MST). Harry F. Clark,				
		manager of a flying service, flying a Piper Clipper at				
		19,000 ft, saw 7 delta-shaped objects, 35-55 ft in span, 20-				
		30 ft long, 2-5 ft thick, light colored except for a 12 ft				
		diameter dark circle at the rear [center?] of each, with a				
		flat top surface and a 2-5 ft high dome, sharp needle nose,				
		flat tail, outer panels oscillated then disappeared. Objects				
		flew in a tight formation of 2's with 1 behind, and made a				
		perfect, but unbanked, right turn about 1,500 ft ahead and				
		500 ft below with no wake turbulence, displaying				
		decreasing smooth oscillations, then turned right again				
		passing the aircraft at about 450-500 mph. Clark's engine				
		ran rough during the sighting, and on landing was found				
		with all spark plugs burned out. (Sparks; BB Maxwell				
		Microfilm Roll 6, pp. 1487-1509; Berliner; cf. NARCAP)				
254.		July 24, 1949. Near Socorro, New Mexico. Green fireball				
		sighting. Dr. William D. Crozier of the New Mexico				
		School of Mines collected dust samples showing presence				
		of copper particles possibly originating from the fireball.				
		(Sparks; FOIA)				
255.		July 28, 1949. Killeen Base/Site B [Nuclear Weapons	3-5 secs	1		
		National Stockpile], Camp Hood, Texas (31° 3'53" N,				
		97°49'40" W). 8:45 p.m. N to S 30° above horizon				
		white w/tint of blue green Yes none				
		round w/tail size of evening star				
		unable to estimate faded out (1)				
		(Sparks; AFOSI-LaPaz Catalog May 1950; BB				
		Microfilm Roll 91, pp. 414ff.)				
256.		July 28, 1949. Killeen Base/Site B [Nuclear Weapons	15-20	1		
		National Stockpile], Camp Hood, Texas (31° 3'53" N,	secs			
		97°49'40" W). 10:58 p.m. N to NW 30° above				
		horizon initially blue turning white none none				
		round 3 times size evening star went out like				
		light (1) (3) (Sparks; AFOSI-LaPaz Catalog May				
0.75		1950; BB Microfilm Roll 91, pp. 414ff.)	0.10			
257.		July 28, 1949. Killeen Base/Site B [Nuclear Weapons	2-12 secs	1?		
		National Stockpile], Camp Hood, Texas (31° 3'53" N,				
		97°49'40" W). 10:59 p.m. S to N 30° above horizon				
		2 predominately white, 1 had orange glow to tail				
		Yes #1 at 2-3 secs. #2 at 10-12 secs none				
		round w/tail tennis ball faded out				
		(1) (Sparks; AFOSI-LaPaz Catalog May 1950;				
		BB Microfilm Roll 91, pp. 414ff.)				

258.	496	July 30, 1949. Mt. Hood, Oregon. 9 p.m. Northwest Airlines Capt. Thrush, 2 Portland control tower operators, and a flying instructor (Henry, Penhallegan, Brasford) saw an object with 1 white light and 2 red lights, maneuver and hover. (Sparks; Berliner; Jan Aldrich)		4		
259.		July 30, 1949. Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 9:35 p.m. SE to NW 35° to horizon climbed in arc blue-white Yes none like rocket tail 2 - 2 1/2 secs to cover arc of about 15° faded out (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2-2.5 secs	1?		
260.		July 30, 1949. Killeen Base/Site B [Nuclear Weapons National Stockpile], Camp Hood, Texas (31° 3'53" N, 97°49'40" W). 10:04 p.m. SE to SW app 30° above horizon straight flight losing altitude predominantly white w/blue tint Yes none round w/tail evening star or planet very fast gradually faded out (3) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2-3 secs	1?		
261.		Aug. 6, 1949. Las Cruces, Alamogordo, New Mexico. 8:00 p.m. Alamogordo: 200° 30° above horizon long slow curve to earth bluish green Yes 1 sec none round tip of thumb at arm's length burned out (1) Las Cruces: E to W bluish green Yes 1-2 secs none round bigger than falling star disappeared behind building (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	1-2 secs	2		
262.		Aug. 6, 1949. Las Cruces, White Sands, Alamogordo, New Mexico. 8:00 p.m. Las Cruces: E to W 3° 28" to 9° 40" above horizon curve going up then fell in almost vertical direction reddish blue & green Yes 4-5 secs none round app 6" in diameter disappeared gradually (1) White Sands: 40° above horizon straight line to earth observer color blind none 1 sec none round half size of fingernail at arm's length slightly faster than ordinary falling star disappeared behind sand dune (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	1-5 secs	3		
263.		Aug. 6, 1949. Alamogordo, New Mexico. Bet. 8:00-8:05 p.m. E to W 2° 4" to 12° 7" above horizon 10° off vertical [upwards] white 2 secs none large as auto spotlight at arm's length disappeared behind building (1) vertical 2° 20" to 7° 35" above horizon straight vertical flight [upwards] bright white slight reddish cast none 3 secs none round 1/2 size of moon exploded then pieces died out (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2-3 secs	2	1/2	

064	1 (1040 411) 1 1 1 1 0 00	1 11/	-	1/10.0	
264.	Aug. 6, 1949. Albuquerque, New Mexico. 8:20 p.m.	1-11/2	1	1/10 ?	
	descending to earth vertically 15° above horizon	secs			
	green none none round to pear shape				
	500 watt bulb about 1/5 mile [?] away 10°				
	in 1 1/2 secs at 2 miles [?] dissipated (1) (Sparks;				
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
265	pp. 414ff.)	1	1		
265.	Aug. 6, 1949. Alamogordo, New Mexico. 8:30 p.m. N	1 sec	1		
	constant slight curve earthward				
	white (bluish) Yes none round app				
	smaller than clenched fist similar to falling star went				
	out (1) (Sparks; AFOSI-LaPaz Catalog May 1950;				
266.	BB Microfilm Roll 91, pp. 414ff.)	2 222	1		
200.	Aug. 14, 1949. Alamogordo, New Mexico. 9:35 p.m. appeared 25° disappeared at 12° 10 - 15° off	2 secs	1		
	11 11				
	vertical reddish orange Yes none round				
	larger than Venus disappeared (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
	pp. 414ff.)				
267.	Aug. 20, 1949. Douglas, Arizona. 9:35 p.m. N to	6-10 secs	2		
207.		0-10 Secs	2		
	S 8,000' - 10,000' flat trajectory none none round to oblong like inverted saucer				
	about size of single engine plane 3500 to 4500				
	mph disappeared in distance (2) (Sparks; AFOSI-				
	LaPaz Catalog May 1950; BB Microfilm Roll 91, pp.				
	414ff.)				
268.	Aug. 20, 1949. Las Cruces, New Mexico (32.22° N,	3 secs	3	2	astronomer
200.	106.75° W). 10:45 p.m. Astronomer and discoverer of	2 200		_	Clyde W.
	planet Pluto, Clyde W. Tombaugh, with wife and mother-				Tombaugh
	in-law, all saw a rigid formation of faint bluish-green				
	rectangles as if windows on a solid dark object about 1°				
	across, which flew at high speed from zenith SSE to about				
	35° above the horizon where it disappeared all the while				
	the rectangles foreshortening due to the slant angle. No				
	sound. Wife thought she saw faint interconnecting glow.				
	[If object passed overhead at 1 mile altitude, size might				
	have been about 100 ft, velocity about 1,700 mph.]				
	(Sparks; Saunders/FUFOR Index; etc.)				
269.	Aug. 21, 1949. Nogales, Arizona. 9:15, 9:50 p.m. 45° at	10 secs	5		
	low level 90° at high level horizontal to earth's				
	surface dull orange none none wafer app				
	size of volley ball 10 times speed of jet planes				
	disappeared in space (1) (3) (Sparks;				
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
2-6	pp. 414ff.)				
270.	Aug. 26, 1949. White Sands Proving Ground, New		1+		
	Mexico. Just after 11 a.m. Just prior to a [planned Navy				
	Viking] rocket launch a senior officer scanning the sky				
	with binoculars sighted an unidentified object from the N				
	1'1'' 1 11 1''' 1 1 1 1 1''' 1				
	which was in a shallow dive then turned W. [Viking no. 2				
	which was in a shallow dive then turned W. [Viking no. 2 launch postponed to Sept. 6, 1949.] (Sparks; BB Maxwell Roll 5, p. 1467; LA Times, Aug. 30, 1949)				

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271.	Aug. 26, 1949. Davis-Monthan AFB, Tucson, Arizona. 1:45 p.m. SE to NW app 50,000 horizontal at 50,000' brownish-hazy color none similar to triangle with round edges est. to be app 1/4 of inch when observed at 3 ft terrific rate of speed faded from view (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	60 secs	1	2/3	
272.	Aug. 30, 1949. Los Alamos, NM. 11:00 p.m. 90° overhead Almost straight fall bright green w/reddish tail Yes none much larger than meteor burned out (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	1-2 secs	1		
273.	Sept. 5, 1949. Lebec, Calif. 12:10 p.m. 2 USAF pilots flying military aircraft with 3538th Maintenance Sq saw an oval object climb at tremendous speed to the S. (Sparks; Project 1947)		2		
274.	Sept. 9 [10?], 1949. Goose Bay, Labrador, Canada (53.33° N, 60.41° W). 9:56 p.m. (AST). Military aircraft pilot saw an egg-shaped object disappear into a cloud at high speed. (Sparks; Project 1947; Saunders/FUFOR Index)		1		
275.	Sept. 18, 1949. Sandia Base, Albuquerque, NM. 11:00 p.m. W to S 45° above horizon dark yellow none none round size of baseball unknown (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	3-4 secs	1		
276.	Sept. 19, 1949. Tucson, Arizona. 9:00 a.m. N app 4000' grayish white none 2 mts none 2 to 3 ft across 600 mph faded from view (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2 mins	2		
277.	Sept. 27, 1949. Sandia Base, Albuquerque, NM. 1:30 a.m. S to N 20° above horizon made a gentle arc toward earth dark blue Yes 2 secs none conical w/tail twice its diameter looked like a sky rocket 50° in 2 secs burnt out (3) (1) 45° above horizon Moving tangent to earth green none none round fist at arm's length 20° in 1 sec burnt out (3) (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	1-2 secs	2		
278.	Sept. 27, 1949. Sandia Base, Albuquerque, NM. 3:00 a.m. SE to NW 15° - 20° above horizon traveling in arc toward earth bright green none none round same size as perimeter fence light at distance of about 200 yds 45° in 2 secs brightened then went out (1) (Sparks; AFOSI- LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2 secs	1		
279.	Sept. 30, 1949. Sandia Base, Albuquerque, NM. 10:57 p.m. S to W 55° above horizon yellow orange none none slightly larger than shooting star 200 - 200 mph (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2-3 secs	1		

280.	Oct. 2, 1949. Los Alamos, NM. 9:10 p.m. 20,000 - 30,000' went up & then down bright green Yes (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	3 secs	1		
281.	Oct. 2, 1949. Los Alamos, NM. 9:10 p.m. 20,000 - 30,000' went up & then down bright green Yes (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	3 secs	1		
282.	Oct. 2, 1949. About 3 mi NE of Holland, Mich. 11:00 a.m. Bill Cooper, former USAAF air engineer, in car traveling N, sighted very bright, shiny flat dinner-plate shaped object about ½ mile distance head E [ESE?] into a cloud at 5,000 to 10,000 ft and reversed course to exit the cloud where it entered, retraced its route and disappeared in the E [WNW?].	30-60 secs	1		
283.	Oct. 6, 1949. Mescalero, NM. 5:45 p.m. 15½° above horizon descended in slight arc dark green none none round big ball disappeared behind hills (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	30 secs	1		
284.	Oct. 6, 1949. Albuquerque, Alamogordo, and Wagon Mound, NM. 5:58 p.m. Albuquerque: E to W curved descent approaching vertical greenish white none 1 sec none similar to very flare 1/2 size of thumb at arm's length abrupt (1) Wagon Mound: E to W horizontal greenish white none 3 - 4 secs none round 1½" - 2" in diameter app that of meteor went out like electric light (1) Alamogordo: E to W straight angular descent bluish white possibly lt. Green tinge none 4 secs none circular 3 times the size of Jupiter or Venus 5° per sec. (1) Albuquerque,: NE to SW at tail end of its course it arched over and fell brilliant green none 10 secs none tear drop seemed to burn out (1) Alamogordo: 4°20' to 7°5' green none 5 - 8 secs none round size of baseball at arm's length (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	1-10 secs	5+		
285.	Oct. 6, 1949. Mescalero, NM. 6:00-6:45 [?] p.m. 18° above horizon green none none round ½ size of thumb at arm's length moving slowly disappeared behind a hill (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	7-9 secs	1	1 ??	
286.	Oct. 7, 1949. Sandia Base, NM. 1:07 a.m. W to E 45° above horizon bluish green Yes 15 secs none round size of fist at arm's length slow died out (1) SW to NE 45° above horizon executed dives greenish blue w/red sparks trailing Yes 4 secs none round size of fist at arm's length slow faded out (1) N to NE 45° above horizon green none 15 secs none round size of fist at arm's length slow burned out (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	4-15 secs	3		

	1	1		1	
287.	Oct. 7, 1949. Sandia Base, Albuquerque, NM. 9:20 p.m. Army 1st Lt. John W. Bloomfield, 8456th MP Co., Sandia Base, while traveling in car headed E sighted round yellow-green object about ½ Full Moon angular size about 35° elevation 120° azimuth drop 15° straight vertically over Sandia Mtns to disappearance in 1 sec. Green fireball? (Sparks; BB files)	1 sec	1	1/2	
288.	Oct. 11, 1949. Holloman AFB, NM. Bet. 10:45-11:00 a.m. (MST). USAF M/Sgt. Ralph M. Stevens, Tech Aide in Lower Atmospheric Research, Elec & Atm Res Section, Holloman AFB, and Sgt. Marion H. Graves were at Ryan Site #4 tracking a balloon launch by theodolite when they spotted a high speed round white dish-shaped object in the NW at 60° in straight flight pass overhead to disappearance at 60° elevation in the SE. Size compared to B-29 [141 ft] at 150,000 ft range [1/10 full Moon]. (Sparks; BB files)	10-15 secs	2	1/10	
289.	Oct. 12, 1949. Alamogordo, NM. 11:15 a.m. Flight engineer-private pilot SSgt Clifford B. Hart, 3089th Experimental Gp, 2754th Exp. Wing, and aircraft mechanics SSgt J. D. Denning and SSgt Harry A. Boggs, all of Holloman AFB, sighted a high speed white or aluminum round ball in the S at 45° elevation about 5-10 miles ground distance at about 8,000 to 10,000 ft height traveling about 1,500 mph which smoothly veered off to the NE after approaching to about 80° elevation [in the SE at about 2 mi distance] [Denning est closest distance 8-10 mi]. Appeared the size of a B-29 [141 ft wingspan] at 35,000 ft [1/3 Full Moon]. No sound, no visible means of propulsion, no exhaust, faded from view [due to distance]. (Sparks; BB files; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	45-60 secs	3		
290.	Oct. 12, 1949. Davis-Monthan AFB, Tucson, Ariz (at 32°10'N, 110°54'W). 1:40 p.m. (MST). USAF 1st Lt. David J. Latz, Bombardier, 65th Bomb Sq, 43rd Bomb Gp., Davis-Monthan AFB, sighted a round white or silver object at azimuth 20° [about NNE] elevation about 75° estimated distance 5 miles about 50-100 ft diameter traveling high speed at estimated as up to 1,000 mph at about 25,000 to 30,000 ft altitude disappearing at an estimated distance of 6 miles about 240° azimuth (SW) when he looked at a weather balloon just launched. No exhaust, no sound, no visible means of propulsion. No aircraft missions in flight. (Sparks; BB files)	15 secs	1 [+3?]	1/6 to 1/3	
291.	Oct. 12, 1949. Near Downs, Kansas. 2:45 p.m. (CST). Farmers George R. Verhage and Elwin (or Elward) Latham sighted a high-speed 500-600 mph shiny aluminum object about 10-20 ft long and 8-16 ft wide, first appearing crescent shaped then oval, nearly overhead at about 80° elevation moving SE to NW. Object was headed on collision course with B-29 at 6,000 to 7,000 ft altitude traveling E to almost due W, but banked out flat to avoid collision and passed under by about 500 ft and to rear of B-29, when it appeared oval. No exhaust, no sound except B-29's, no clouds in path of disc which disappeared due to distance. Verhage was Army Reserve, field experience in anti-aircraft artillery in aircraft identification and speed-altitude-distance estimation. (Sparks; BB files)	20-30 secs	2	1/6 to 1/3	

292.	Oct. 14, 1949. Mt. Palomar Observatory, Calif. 1:15 p.m.	[8-12	1	EM effects
	Observatory Manager of Public Relations, weather	secs]		on cosmic
	observer and instrumentation assistant Harley C. Marshall	,		ray detector
	was driving away from Observatory towards the			
	Observatory Power House about 800 ft N of the			
	Observatory when he saw a perfect "V of V's" (or			
	triangular) formation of about 9 [or 16-18 if doubled]			
	round silver objects without tails or wings overhead			
	traveling at high speed, faster than any jet, headed to the			
	NW in level flight. After driving about 350 ft while			
	observing the UFO's [if driving about 20-30 mph then			
	duration ~8 to 12 secs]. Marshall stopped the pickup			
	truck, got out, heard the objects emitting a sound like jets			
	but not quite the same, which sound noticeably lagged			
	behind visual location of objects in the sky by about 35°-			
	40°, and observed objects disappear [behind?] cloud cover			
	that extended from horizon to about 45° elevation at about			
	5,000 ft height (10,500 ft ASL). [If disappeared at \sim 30°			
	elevation, then distance ~2 miles and speed ~600-900			
	mph.] Marshall checked the Naval Electronics Lab (NEL)			
	cosmic-ray Geiger counter at the instrument room in the			
	Observatory Power House and saw it had just spiked off-			
	scale. He phoned Asst. Superintendent-Electrical			
	Benjamin B. Traxler on duty at the Observatory (who then			
	drove over to Marshall). Traxler confirmed the 1:15			
	p.m.off-scale recording at about 1:20 p.m. then saw UFO			
	and the cosmic-ray Geiger counter jump off-scale [again]			
	(see next entry). For the next 10 days another 22 incidents			
	of off-scale cosmic-ray detector incidents occurred at			
	scattered times fitting a periodic 1.5-hour time schedule, a			
	phenomenon not seen before or after, and unexplainable			
	by equipment failure or radio interference from aircraft.			
	Several Navy aircraft of differing prop and jet types were			
	flown near Palomar Observatory using radio, radio			
	altimeter and radars on Oct. 21 and Nov. 2 in an			
	unsuccessful effort to trigger the Geiger counter. (Sparks;			
	Jan Aldrich; McDonald files; BB files)			

293.	Oct. 14, 1949. Mt. Palomar Observatory, Calif. 1:20 p.m.	several	1	1	EM effects
293.	Following sighting by Observatory Manager of Public	several secs?	1		on cosmic
	Relations and instrumentation assistant Harley C.	SCCS!			ray detector
	Marshall (see above) who phoned Asst. Superintendent-				Tay detector
	Electrical Benjamin B. Traxler on duty at the Observatory.				
	Traxler then drove over to Marshall in the instrument				
	room at the Observatory Power House. Traxler confirmed				
	the 1:15 p.m.off-scale recording at about 1:20 p.m. then				
	saw one dark unidentified object traveling to the SW then				
	saw that the needle had jumped off scale [again] on the				
	cosmic-ray Geiger counter for several secs. For the next				
	10 days another 21 incidents of off-scale cosmic-ray				
	detector incidents occurred at scattered times fitting a				
	periodic 1.5-hour time schedule, a phenomenon not seen				
	before or after, and unexplainable by equipment failure or				
	radio interference from aircraft. (See subsequent Palomar				
	sightings on Oct. 17 and 21, 1949.) Several Navy aircraft				
	of differing prop and jet types were flown near Palomar				
	Observatory using radio, radio altimeter and radars on Oct.				
	21 and Nov. 2 in an unsuccessful effort to trigger the				
	Geiger counter. (Sparks; Jan Aldrich; McDonald files;				
	BB files)				
294.	Oct. 14, 1949. Los Alamos, NM. Bet. 2:10-2:15 and 2:20	3-4 secs	1 + 3	2/8 (1/4)	
	p.m. Jackson K. Hillogos, Zia Co., sighted luminous	(2 secs)			
	object in the W traveling S to N at 500 mph depending on				
	actual distance. Object's front 2/3 was green and silver,				
	rear 1/3 pale blue, tail also pale blue. Object 1/8 Full				
	Moon angular size with tail 1/8 Full Moon long. [2nd or				
	nearly simultaneous sighting with likely clock time error:]				
	W to E 20,000' level flight just above horizon				
	geenish blue - white trail Yes 2 secs none				
	round appeared a 12" disc burned out				
	(1) (Sparks; BB files; AFOSI-LaPaz Catalog				
20.5	May 1950; BB Microfilm Roll 91, pp. 414ff.)	20.60	-		
295.	Oct. 16, 1949. About 1 mi S of Moses Lake AFB, Wash.	30-60	2		
	2:40 p.m. Two barbers, Elkins and Libby, sighted dull	secs			
	aluminum disk-shaped object on a straight course at about				
	10,000 ft traveling 2-3 times jet fighter speed until				
206	disappearing on the horizon. (Sparks; BB files)	garrane 1.0	1		EM afficie
296.	Oct. 17, 1949. Mt. Palomar Observatory, Calif. 7:20 a.m.	several?	1		EM effects
	Observatory Asst. Superintendent-Electrical Benjamin B.	secs			on cosmic
	Traxler saw a small black object without apparent projections moving at high speed to the SW, below cloud				ray detector
	cover at height of 1,500 ft (7,000 ft ASL), at the same time				
	the cosmic-ray Geiger counter went off-scale again (see				
	incidents of Oct. 14 and 21, 1949). (Sparks; Jan Aldrich;				
	McDonald files; BB files)				
297.	Oct. 21, 1949. Mt. Palomar Observatory and Palomar	3+ secs	2		
	Gardens (Oak Knoll Campground), Calif. 2:30 p.m.	3 . 5005	_		
	Observatory Asst. Superintendent-Electrical Benjamin B.				
	Traxler saw an elongated slightly curved or banana shaped				
	object traveling to the E or SE for about 3 secs.				
	Independently and without knowledge of Traxler's				
	sighting, George Adamski of Palomar Gardens, about 5 air				
	miles to the S of Traxler (11 road miles), saw the dark				
	cigar-shaped object. See prior Palomar sightings on Oct.				
1	17 and 21, 1949. (Sparks; Jan Aldrich; McDonald files;				
	17 and 21, 1949. (Sparks, Jan Aldrich, McDonald Incs.				

298.	Oct 21 1040 Pegyvell NM 0:20 p pg CE to NW 209	20.20	1	I	
298.	Oct. 21, 1949. Roswell, NM. 9:30 p.m. SE to NW 30° above horizon very bright white none none	20-30 mins	1		
	above horizon very bright white none none unknown (2) (Sparks;	1111115			
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
	pp. 414ff.)				
299.	Oct. 22, 1949. Los Alamos, NM. 2:20 or 2:28 a.m.	1-2 secs	2		
255.	vertical 50 - 100 ft green 1 sec none	1 2 5005	_		
	like flare small went out (1)				
	NW to SE on horizon bright green 2				
	secs none 4 times size of a flare 150				
	mph disappeared behind a hill (1) (Sparks; AFOSI-				
	LaPaz Catalog May 1950; BB Microfilm Roll 91, pp.				
	414ff.)				
300.	Oct. 23, 1949. Wilson, North Carolina. 4:38 p.m. (EST).		5	[1/7?]	
	US Naval Reserve Lt Cdr Frederick L. Carr and 4 children				
	sighted a round white shiny object in the SW, to the S of				
	the setting sun in the western sky, traveling at much				
	greater speed than the P-47 fighter at 5,000 to 7,500 ft				
	altitude seen N of the sun about 45°-60° in azimuth away				
	from the UFO, which was estimated at 20,000 to 30,000 ft				
	altitude. UFO estimated ½ apparent length of P-47				
	fuselage. (Sparks; BB files)				
301.	Oct. 28, 1949. Napa, Calif. About 12:50 p.m. (PST).	30 secs	2	1	
	Melvin C. Shanks and Robert Largent sighted a round				
	silver or aluminum object about the size of a fighter [50 ft]				
	directly overhead at about 4,000 to 5,000 ft traveling N at				
	high speed. No exhaust, no sound, no visible means of				
202	support. (Sparks; BB files)		2		
302.	Oct. 30, 1949. 2 mi N of Novato, Calif. (38°07'N,		2		
	122°35'W). 12:30 p.m. (PST). USAF Major Lee W. Wright of San Bernardino AFB, and MSgt Cayus P.				
	Peterson, 78th Fighter Wing, Hamilton AFB, sighted a				
	white flat solid round disc about 50 ft diameter traveling				
	500 mph at 5,000 ft heading 270° (W) on a straight and				
	level course. (Sparks; BB files)				
303.	Oct. 31, 1949. Mint Canyon, Calif. 12:15 a.m. (PST).	35 secs	3		
303.	Aircraft engineer-pilot and former AAF AMC test pilot,	33 3003	3		
	Joseph J. Hanley, was flying a Grumman Mallard from				
	Burbank to Palmdale, Calif., at 1,500 ft AGL 4,500 ft ASL				
	at 140 mph in a climb on heading 350° True, when he				
	spotted a high speed dark or black box-shaped object				
	emitting a blue-gray exhaust about ¼ mile long, which				
	was heading SE about 50 miles away at about 30,000 ft				
	and traveling 1,500 mph. Hanley called attention of his				
	two passengers and began a running radio report to				
	Burbank CAA Tower. UFO slowed to make a turn over a				
	3,000 ft arc then headed N, then at a distance of about 20				
	miles. (Sparks; BB files)				
304.	Nov. 16, 1949. Los Alamos, NM. 7:50 p.m. disappeared		1		
	to N 2 objects bluish green none				
	stationary but disappeared with speed of				
	meteor disappeared from view (1) (Sparks; AFOSI-				
	LaPaz Catalog May 1950; BB Microfilm Roll 91, pp.				
205	414ff.)	2			
305.	Nov. 19, 1949. Los Alamos, NM. 9:52 p.m. vertical	2 secs	2		
	green then yellow (or green) none (1) (Sporter, AEOSI Le Poz Cetaleg May 1050; PR				
	(Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)				
	1411.)	1			

206	Nov. 21 1040 Alrita Hanshy Janes (20044) N 1400 5		1	1	1
306.	Nov. 21, 1949. Akita, Honshu, Japan (39°44' N, 140° 5'		1		
	E). USAF pilot flying F-80 fighter saw a rectangular				
	object flying at 500 mph. (Sparks; Weinstein)	_	_		
307.	Nov. 25, 1949. Los Alamos, NM. 8:00 p.m. E to W 15° -	2 secs	5		
	10° above horizon downward 10° from the				
	horizontal yellowish green none				
	disappeared behind mt. (1) (Sparks;				
	AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91,				
	pp. 414ff.)				
308.	Nov. 27, 1949. McIntosh, NM. 6:00 p.m. vertical less	1 sec	1		
	than 2,000' vertical descent green none none				
	shaped like a flare same as signal flare				
	same as falling signal flaresame as signal flare				
	(1) (Sparks; AFOSI-LaPaz Catalog May 1950;				
	BB Microfilm Roll 91, pp. 414ff.)				
309.	Dec. 4, 1949. Bet. Covington and Hammond, Louisiana	3 mins	3	2 ?	
	(at 30°30' N, 90°15' W). 4:35-4:38 p.m. (CST). USAF				
	pilot of C-47 transport Flight AF 5566, Maj. F. E.				
	Whitaker, Base Legal Officer of Walker AFB, Roswell,				
	N.M., copilot 1st Lt. P. H. McDavid and crew chief				
	engineer Staff Sgt. C. Thomas also from Walker AFB,				
	while flying from Carswell AFB, Dallas, to Keesler AFB,				
	Miss., at 180 mph at 5,500 ft heading 90° (E), saw a bright				
	silver sphere about the size of a jet fighter [50 ft?] come				
	towards their aircraft heading about 300° or about W				
	nearly headon at 1 o'clock position [from about 120°				
	ENE] at about the same altitude, 5,500 ft, at high speed in				
	excess of 600 mph or faster than a jet then after about 30				
	secs object turned abruptly to the S, then stopped, bobbed				
	up and down. Object made several accelerations and				
	decelerations and sharp direction and altitude changes				
	during sighting, very maneuverable in all directions,				
	Whitker describing as appearing to "bounce all over the				
	sky." Object disappeared by sudden burst of speed				
	crossing field of vision in about 1 sec. No vapor trail,				
	exhaust, distinguishing features, or sound noticeable above				
	the C-47's noise. Apparent size half-dollar on windshield.				
	(Sparks; Jan Aldrich)				
310.	Dec. 4, 1949. Albuquerque and Los Alamos, NM. 7:35	1/5 to 3	3		
	p.m. Albuquerque: E to W nearly	secs			
	horizontal green none 2 - 3 secs none	2005			
	round marble at arm's length went out like				
	a candle (1) (3) Los Alamos: E to NE				
	sloping descent green 1/5 sec yes				
	round disappeared behind				
	mt. (1) (3) (Sparks; AFOSI-LaPaz Catalog May				
	1950; BB Microfilm Roll 91, pp. 414ff.)				
311.	Dec. 9, 1949. Farmington, NM. 1:30 p.m. dropping		1		
J11.	vertically 500 ft vertically down		1		
	none char-red parachute or cargo net				
	disappeared (2) (Sparks; AFOSI-LaPaz				
	Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)				
	Cumio 5 may 1750, DD micromin (On 71, pp. 71411.)	<u> </u>	l	l	i

212	Dec 12 1040 Alemanada NM 9:05 mm	0	2	1	
312.	Dec. 13, 1949. Alamogordo, NM. 8:05 p.m.	9 mins	3		
	stationary then began to move downward slowly				
	and to right 5,000' white amber red green				
	none none circular 1 - 1 1/2 times size of				
	average st. light at a distance of 8 miles object took				
	on brilliant green color picked up speed and faded from				
	view (Sparks; AFOSI-LaPaz Catalog May 1950; BB				
	Microfilm Roll 91, pp. 414ff.)				
313.	Dec. 29 [28?], 1949. Bet. Hamlet and Greenwood, North		4		
	Carolina. 5 p.m. James and 3 other pilots of military light				
	training planes saw a blimp-shaped object outdistance the				
	[4?] planes at high speed. (Sparks; Project 1947;				
	Saunders/FUFOR Index)				
314.	Dec. 31, 1949. Andrews AFB, Washington, D.C.		1		
314.			1		
	Daytime. Wash DC Air National Guard 113th Aircraft				
	Control Squadron Corporal Robert E. Guinn happened to				
	look overhead during a jet takeoff and noticed an object				
	like a "huge stack of tinfoil" when it tilted toward the sun,				
	floating in and out of the clouds, the size of an ANG				
	hangar, then suddenly headed SE at high speed. (Sparks;				
	BB Maxwell Microfilm Roll 7, p. 1053-5)				
315.	Jan. 2, 1950. Brooklyn, NY (at 40°41' N, 73°58' W).	3 mins	2		
	About 10:00 p.m. (EST). Capt. Charles E. Umstead,				
	Principal of Merchant Marine School, Seamen's Church				
	Institute, with wife Emma, saw bluish light hoveing in the				
	clouds at about 35° elevation and 340° True azimuth,				
	brighter during first 50 secs. (Sparks)				
316.	Jan. 6, 1950. 7 mi W of Howard, Kansas (at 37°28' N,	<2 mins	3	½ to 1/10	
	96°27' W). 2:10 p.m. (CST). Pilots Capt. Frederick E.				
	Howard and Capt. Robert E. Zimmerman, and crewman				
	1st Lt. Harold G. Simpson, aboard USAF 8th AF C-47				
	transport at 5,500 ft flying N from 8th AF HQ, Carswell				
	AFB, Ft. Worth, Texas, to SAC HQ, Offutt AFB, Omaha,				
	Neb., saw a 30-60 ft silver football-shaped object (with red				
	nose per Howard) flying 300-500 mph at 2,000 ft on				
	heading 90° to 100° Mag (thus crossing the C-47's flight				
	path or projected path) in straight level flight about 2 miles				
	away (per Zimmerman and Simpson) or 5-10 miles away				
	(per Howard). (Sparks; Project 1947; Saunders/FUFOR				
	Index)				
317.	Jan. 7, 1950. S of Corona, New Mexico (at 34°13' N,	10 secs	1		
	105°35' W). 10:15 p.m. (MST). Holloman AFB Asst.				
	Motor Maintenance Officer Capt. Robert H. R. Risley				
	while driving S in automobile saw a yellowish-white ball				
	of light at about 45° elevation descending at a 60° angle				
	from SW to SE, changing color to orange with trailing				
	flame, to just above a mountain range where it leveled off				
	becoming bright blue-green traveling 10° to the E until it				
	dropped behind the mountain. (Sparks; FOIA;				
	Saunders/FUFOR Index)				
L	Swarrastol I OI OIC HIGON	ı		l	l

318.	Jan. 9, 1950. Los Alamos, NM. 10:25 or 10:26 p.m. 75° - 80° above horizon straight line greenish- white none 3 secs none round -4 to -5 compared to Jupiter 25° per second behind horizon (1) 80° - 40° above horizon horizontal incandescent green Yes 2 secs none oval with trail disappeared behind trees (1) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91, pp. 414ff.)	2- 3 secs	2		
319.	Jan. 10, 1950. 8 mi [NE?] of Las Vegas AFB [later renamed Nellis AFB] (on Hwy 93) [at about 36.4°, 114.6°?], Nevada. 10:10 a.m. Civilian pilots, father and son, observed 2 F-80 jet fighters approaching for landing at elevation angle of about 45° into the sun [in the SE at about 21° elevation 141° azimuth] and saw an object at an altitude of approximately 1500-2000 feet, about 25-30 ft in size. Object appeared "pure silver," round "like a balloon" (AFOSI found no balloons launched) and solid material like "a metal," with no external fittings, air ducts, antenna, supports, or exhaust trail, seeming no noise audible above that of F-80's. Direction of flight [heading?] was NNE with no tactical movement, or maneuver, motion was smooth, at first slow and then a very rapid acceleration in a horizontal ascent [shallow climb], disappearing over mountains to the E. (Sparks; BB AFOSI files; NICAP website)	25 secs	2	1?	
320.	Jan. 12, 1950. Gulf of Mexico SW of Florida at 24° 0' N, 85°20' W. (Sparks; McDonald list)				
321.	Jan. 12, 1950. Holloman AFB, NM. 7:00-7:05 and 9:00 p.m. (MST). Airman John M. Gusich, 3024th Air Police Sq, file clerk in Air Provost Marshal's office, Holloman AFB, sighted bright white light similar to Venus, with erratically changing color to green and red, erratic leftright, up-down small motions, at about 10° to 15° above horizon in the N, at azimuth 353° to 355° moving level to the W. Sighted again briefly at 9:00 p.m. and had moved W to about 325° azimuth. Extremely cloudy in the W, S and E, clear only in the N, hence could not be Venus setting in the WSW, azimuth 252° elevation 5° (at 7:00 p.m.), setting at about 7:27 p.m. and well below horizon and totally invisible at 9 p.m. Similar sighting of star-like light in the N by Gusich next morning disappeared at 6:05 a.m. due to approaching sunrise was probably star Capella at azimuth 325° (about NW to NNW) elevation 3°. (Sparks)	5 mins + 1? min	1 [3?]		
322.	Jan. 18, 1950. Denver, Colo. 6:19 p.m. USAF pilots of T-6 saw a round reddish-white object tapered aft flying at 15,000 ft. (Sparks; Project 1947)		2		

323.	Inn 22 1050 Near Kadiak NAS Alaska 2:40 4:40 a m	? + 30	1_		rodor: EM
323.	Jan. 22, 1950. Near Kodiak NAS, Alaska. 2:40-4:40 a.m. USN P2V3 patrol plane pilot Lt. Smith and radar officer	$\frac{?+30}{\sec s+4}$	4+ (8+?)		radar; EM
	A. L. C. Gaskey briefly detected a radar target 20 miles N,	mins	(0+!)		
	then another target S of Kodiak at 2:48 a.m., possibly the	1111115			
	same target traveling 225 mph in between. Smith radioed				
	Kodiak NAS to look for other air traffic but none was				
	reported. Gaskey then noticed strong radar interference				
	preventing him from tracking the target. At 3 a.m. watch				
	officers Morgan and Carver on the USS Tillamook S of				
	Kodiak island saw a maneuvering red exhaust-like or				
	orange ball of fire circle the Kodiak area in 30 secs				
	clockwise beginning and ending in the SE. At 4:40 a.m.,				
	P2V3 radar picked up fast moving target at 5 miles which				
	closed that distance in 10 secs (1,800 mph) to dead ahead				
	position, where it was seen as "two orange lights rotating				
	about a common center like two jet aircraft making slow				
	rolls in tight formation." Smith tried to pursue but object				
	came at him in a "highly threatening gesture." Smith				
	turned off all aircraft lights to reduce visibility, object flew				
	off to the SE disappearing in 4 mins. (Sparks; Project				
25:	1947; BB files??)				
324.	Jan. 24, 1950. Near Blackstone, Virginia (37° 5' N, 78° 1'	15 mins	3	1/2 - 1	
	W). 4:50-5:05 p.m. (EST). 3 Pentagon officials, including				
	2 USAF combat flying officers, pilot Capt. G. B. Edwards				
	and copilot Capt. Theron C. Fehrevach flying C-45				
	transport plane heading 26° at 5,000 ft, saw a dark 200-				
	250 ft diameter hemispherical parachute-shaped or B-35				
	flying wing shaped object at about 20° azimuth at about				
	7,000 ft about 5-10 miles away with a large black smoke				
	region below it almost looking like a large suspended				
	black object about 3x the object's diameter, possibly				
	obscuring a lower portion of a sphere instead of the object				
	being just an upper hemisphere. UFO was darker than the				
	50% cloud cover and "easy to distinguish as not being				
	cloud." Object moved smoothly horizontally to the right				
	to about 32° azimuth at about 300+ mph then back again				
	without any noticeable turn radius. Edwards put the C-45				
	into a climb to 7,000 ft so they would be on the same				
	height level as the UFO and turned left slightly to 20° to				
	head directly toward it. Army Courier Service passenger				
	1st Lt. John H. Van Santen was alerted by Fehrevach and				
	now also saw the object move right then left by 12° again,				
	then they all saw the object recede at high speed radially				
	away and disappear [at possibly 6,000 mph to reduce				
	angular size below visual resolution by increasing distance				
	at least 200 miles in <2 mins at about 4:55 p.m.]. About				
	1-1/2 mins later object reappeared about 30°-45° to the				
	right of their heading at the same level but at greater				
	distance, stationary in position, then oscillating or				
	"wiggling" about that position horizontally right-left about				
	1-1.5x object's width. Object moved horizontally to dead				
	ahead again and disappeared by receding in the distance at				
	high speed. (Sparks; BB Maxwell Microfilm Roll 7, pp.				
	1160-6; Jan Aldrich)				
325.	Jan. 31, 1950. N of Aleutian Islands, Alaska (at 53° N,		1		
525.	171°11' W). 6:55 p.m. USAF pilot saw 3 ft red and white		1		
	elliptical object flying E. (Sparks; Project 1947)				
	omplical object flying D. (Sparks, 110ject 1947)		l		l

	1		•		ı	
326.		Feb. 2 [1?], 1950. Davis-Monthan AFB, Tucson, Ariz.		1?		
		USAF bomber pilot saw object trailing smoke [heading		thous		
		W]. [Thousands of witnesses??] (Sparks; Weinstein; BB		ands?		
		files??; Keyhoe 1953 pp. 43-44)				
327.		Feb. 5, 1950. Teaticket, Mass. 5:10 p.m. Marvin Odom,	5 mins	4		
		former U.S. Navy fighter pilot, USAF pilot from Otis AFB				
		Lt. Philip Foushee, and 2 others saw 2 thin, illuminated				
		cylinders, one dropped a fireball, both maneuvered				
		together then disappeared high and fast. (Sparks;				
		Berliner)				
220		Feb. 8, 1950. Tampa, Florida (27.98° N, 82.44° W).		14:		
328.				multi		
		11:45 p.m. USAF crew of B-29 bomber saw 300 ft long		ple?		
		30 ft wide rocket-shaped object flying at 2,000+ mph.				
		[Eastern Airlines??] (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
329.		Feb. 22?, 1950. Key West NAS, Florida. USN radar				radar
		tracking of object at 50 miles altitude. [Beyond radar				
		altitude limit?] (Sparks; Keyhoe 1953 pp. 43-44; BB??)				
330.		Feb. 24, 1950. Los Alamos, New Mexico. 1:15-2:00 p.m.	2 to 45	4+	1/3 to 1/2	
		At various locations around Los Alamos, AESS security	mins			
		personnel, including Philip C. Mackey AESS Inspector				
		and another AESS inspector, and 2 Los Alamos Lab				
		chemical operators, sighted shiny metallic or bright white,				
		silver white, saucer or sphere hovering to the NW at				
		azimuth 310° elevation about 30°, estimated distance				
		possibly 20,000 to 30,000 ft, size estimated at about 100 ft				
		if at 20,000-30,000 ft range, then moving erratically,				
		flashing bright sunlight at times, heading E or NE, then				
		suddenly climbing vertically at possibly supersonic speed				
		straight up out of sight at about 70° elevation. One				
		witness reported object dispersed nearby clouds as it				
		passed, and emitted an intermittent vapor trail, no trail				
		reported by others; no sound noted by anyone. (Sparks;				
		BB Microfilm Roll 91, pp. 365-9)				
331.	642	Feb. 24, 1950. Albuquerque, New Mexico (35.10° N,	1.5 mins	2	1/20	theodolite
		106.64° W). 1:55 p.m. While tracking a weather balloon	(theod)			
		from atop TWA Bld. at the Municipal Airport, Weather	20-30			
		Observer Luther B. McDonald saw crossing the field of	secs			
		view in the theodolite a white, round object not quite as	(unaided)			
		elongated as an egg, darkened on the top-left side, flying				
		straight and level from about 20° to 23° elevation at about				
		110° azimuth in the E apparently on a trajectory towards				
		them on about a 240° to 270° heading, covering 2° in 1-				
		1/2 mins [probable roundoff in angles so that elevation				
		may have changed from about 20.5° to 22.5° and azimuth				
		from about 109° to 111°]. Object's angular size about that				
		of the upper part of the moon as seen through theodolite				
		[probable 21x telescope sight of David White pibal				
		theodolite]. Lost sight when shifted to weather balloon				
		(and back). Weather Observer Harrison S. Manson also				
		observed object with the naked eye, for about 20-30 secs,				
		appearing to be brilliant white like metal reflecting				
		sunlight the apparent size of a weather balloon about to				
		disappear in the distance, impression of flight heading to				
		ESE [actually from ESE]. (Sparks; BB NARA Microfilm				
		Roll 91 pp. 334-7, 372-3; Berliner; Jan Aldrich)				

222	l	E 1 24 1050 D (1 N M : (240 0) N 107045) W)	21 20	2.0	1 /2	1
332.		Feb. 24, 1950. Datil, New Mexico (34° 8' N, 107°45' W).	2 hrs 30	2 ?	1/2	observation
		7:30-10 p.m. (MST). USAF Corporal Lertis E. Stanfield,	mins		(0.2552°	post photo
		3024th Air Police Sq., Holloman AFB, and other			diam)	
		Holloman AFB Photographic Branch project staff for				
		tracking aerial phenomena at the Datil observation post				
		saw due S at about 30° elevation and took 5 photos of a				
		circular luminous white object changing to red and green				
		15.31 arcmins (0.2552°) in diameter with a 3.785° long				
		trail, using 1-5 Cineflex camera with 3-inch focal length				
		lens. Angular velocity $> 0.5^{\circ}$ /.min in azimuth calculated				
		by LaPaz. Object appeared brighter and closer, in smooth				
		straight-line motion from about 8 to 9:30 p.m. to the W,				
		blinking red and green. Disappeared high in the sky. Note				
		2nd sighting that night on Feb. 25, 1950. (Sparks; BB				
		NARA Microfilm Roll 91, pp. 400, 463-4; Maxwell				
222		Microfilm Roll 7 pp. 1226-52; Saunders/FUFOR Index)	20	1		-1
333.		Feb. 25, 1950. Datil, New Mexico (34° 8' N, 107°45' W).	30 mins	1		observation
		2-2:30 a.m. White round light reappeared in the same				post photo
		position in the sky from 4 hours earlier, changing to red				
		and green, moving slightly towards the NW, then				
		disappeared behind mountain. Angular velocity 0.5°/.min				
		[in azimuth?] calculated by LaPaz. Note this is 2nd				
		sighting of the same night by this Holloman AFB UFO				
		observation post. (Sparks; BB NARA Microfilm Roll 91,				
		pp. 465-6; Maxwell Microfilm Roll 7 pp. 1226-52)				
334.		Feb. 25, 1950. Albuquerque, New Mexico. 9:15 p.m.	1.5 secs	1		
00		(Sparks; BB Microfilm Roll 91 pp. 465-6)	1.0 5005	-		
335.	645	Feb. 25, 1950. Los Alamos, New Mexico (35.89° N,	3 secs to	12		
333.	0.13	106.31° W). 2:10-3:55 p.m. 12 AEC Atomic Energy	2 mins	12		
		Security Service (AESS) inspectors saw a cylinder with	2 111113			
		tapered ends, silver and flashing, fly slow then fast, flutter				
		and oscillate, change course. (Sparks; BB NARA				
226	650	Microfilm Roll 91 pp. 355-8, 370, 465-8; Berliner)	15 .			
336.	650	Feb. 27, 1950. Coulterville, Illinois. 7 a.m. Pilot and	15 mins	2	2	
		aircraft mechanic Richard Lemmon was flying [SE] from				
		Wood River to Du Quoin, Illinois, in a PT-19 light training				
		aircraft with his wife, at 2,000 ft when he noticed an object				
		near Coulterville, and he alerted Mrs. Lemmon who then				
		saw the object. He climbed to 5,000 feet at 140-150 mph				
		where he appeared to be at the same level with the object,				
		reaching as close as 1/2 mile away. Object was in the				
		shape of a discus about 60 feet in diameter, 10 feet thick in				
		the middle and thinner at the edges, with a high metallic				
		shine. Lemmon flew above, below and to side of object to				
		be sure it was real and no reflection or illusion. No				
		markings or breaks in the metal for windows or rotors,				
		etc., but had impression of "cuts of a piece of a pie." No				
		flames, smoke or vapor trails. Object was highly				
		maneuverable and made several turns, right and left, up				
		and down. Object tilted in the direction of motion with no				
		distinguishable front or rear. No visible means of				
		propulsion. Lemmon tried to buzz people on the ground				
		to look up at the object. Object picked up speed to				
		disappear at "great speed" [near Pinckneyville/ Du				
		Quoin?]. (Sparks; BB files; Project 1947 website;				
		NICAP website; UP, Du Quoin, Ill., March 14, 1950;				
	<u></u>	Loren Gross Jan-March 1950, pp. 26, 93)				

337.	650	March 3, 1950. Selfridge AFB, Mich. 11:05 p.m. USAF 1st Lt. Frank Mattson saw an intense, dull yellowish light descend vertically, then fly straight and level at high speed. (Sparks; Berliner)	4 mins	1		
338.		March 4, 1950. Los Alamos, New Mexico. (Sparks; BB Microfilm Roll 91 pp. 370)		1		
339.		March 5?, 1950. Vaughn, New Mexico. 11:35 a.m. – 1:00 p.m. White object in straight flight toward 195° azimuth? at 180-200 mph. (Sparks; BB Microfilm Roll 91 pp. 467-8)	1 hr 25 mins	4	4	
340.		March 9, 1950. Selfridge AFB, Mich. 7:45-9 p.m. (EST). USAF 1st Lt. Francis E. Parker, 1st Lt. Frank Mattson, Sgt. McCarthy, Cpl. Melton, made multiple air defense ground radar trackings of an object erratically varying height, position and speed from 25,000 to 47,000 ft altitude, 0 to 1,500 mph. High speeds were partially disputed. Despite claims of "evident correlation" or agreement between the two radars, height-finder CPS-4 and CPS-5, at 8:52 p.m. the former showed the target at 79 miles range but the latter at 110 miles. F-80's were vectored but results not stated. Possible MOGUL-type high-altitude constant-level balloon? (Hynek UFO Rpt. pp. 123-5, 295-7; Todd Lemire)	75 mins +?	4+		multiple radars (CPS-4 and CPS-5)
341.		March 10, 1950. Phoenix, Ariz. About 6-6:30 p.m. Object about 200 ft by 30 ft to SSE azimuth 160° at about 40,000-50,000 ft seen by 7 witnesses from moving car. (Sparks; BB Microfilm Roll 91 pp. 338-340, 467-8)	10 mins	7	½ or 1	
342.		March 11, 1950. Holloman AFB, New Mexico. 1:00 a.m. USAF Air Provost Marshal Major William J. Haynor. app 270° about 30° above horizon at distance of 50 miles straight flight—changed from light orange to blood red to amber to light green—none—5 mts—none—ping pong ball—ping pong ball held at arm's length—disappeared from view—(1) (2) (Sparks; AFOSI-LaPaz Catalog May 1950; BB Microfilm Roll 91 pp. 381-3, 469-470)	5 mins	1	4	
343.		March 11, 1950. Punta Arenas, Chile (53° 6' S, 70°53' W). 12 p.m. Many witnesses saw a silver ping-pong-shaped object at extreme altitude in the NE traveling toward the SW. (Sparks; Jan Aldrich)		many		
344.		March 16, 1950. Farmington, New Mexico. 10-11 a.m. 2 USNR pilots plus many others. (Sparks; BB Microfilm Roll 91 pp. 385-6, 392-3, 469-470; McDonald 1968)	30 mins, 3-5 mins	10- 20+	¹ / ₄ to 1/2	
345.		March 17, 1950. Los Alamos, New Mexico. 3:07-3:08 a.m. 5 AESS inspectors. straight down straight down orange & green Yes 2 - 2 1/2 secs none tremendous explosion on impact with earth or disintegration seemed to climb, change color, start down & disappear green turning to yellow none 5 secs none spherical 1/4 size of moon moderate suddenly earthward earthward Yes 3 secs none round 1/4 size of full moon extremely fast plunged to earth & 2 explosions were noted prior to disappearance (3) (Sparks; BB NARA Microfilm Roll 91 pp. 359-364, 469-472)	1-5 secs	5	1/4	

346.		March 17, 1050, Los Alamos, Naw Mayico, 4:45 a m	5 secs	1	1/4	
340.		March 17, 1950. Los Alamos, New Mexico. 4:45 a.m. AESS inspectors. formed an arc formed an arc	3 secs	1	1/4	
		•				
		green none 5 secs none round quite small free fall fell toward earth (3) (Sparks; BB				
		\$ 7 \$ 2				
347.		NARA Microfilm Roll 91 pp. 359-364, 471-2) March 20, 1950. 35 miles SE of Clovis, New Mexico.	1-2 secs	1		
347.		1:16 a.m. USAF pilot of T-6 saw a white spherical then	1-2 secs	1		
		elongated object flying at 2,000 mph. (Sparks; Project				
348.	671	1947; BB NARA Microfilm Roll 91 pp. 471-2) March 20 [22? 31?], 1950. 40 miles E of Little Rock, N of	25-35	2	4	
348.	0/1	Stuttgart, Ark. 9:26 [9:29?] p.m. Chicago & Southern		2	4	
		Airlines Capt. Jack Adams and First Officer G. W.	secs			
		Anderson, Jr., flying a DC-3 at 2,000 ft heading W from				
		Memphis to Little Rock, saw a 100 ft flat cylinder-section				
		circular disc [or body of object not visible?],				
		width/diameter ratio about 1:4.5, with 9-12 [or 7?] bright				
		white lights or "portholes" along the lower side emitting a				
		soft purple [?] light, and a blinding blue-white center light				
		at the top which flashed 3 times in 9 secs [or 3/sec??], fly				
		at the top which hashed 3 times in 3 sees [of 3/see 11], by at 700-1,000 mph [or 1,000+ mph?] from the S headed N,				
		passing to their right at about 1/2 mile distance about				
		1,000 ft higher altitude. (Sparks; Battelle Unknown No.				
		11; Project 1947; Ruppelt)				
349.		March 21, 1950. Kirtland AFB (Albuquerque), New	5 mins +	4+3		
347.		Mexico. 1-1:30 p.m. 4 members 4925th Special Weapons	30 mins	4 1 3		
		Group. Sandia Base witnesses 1:15 and 1:20 p.m.				
		E to SW app 45° above horizon 2 objects silver none				
		10 mts none round app size of dime at				
		arm's length excessive to jet flight gradually				
		faded from view (2)				
		NE to SE 40,000-60,000' varied from shiny				
		silver to shady gray none 30 mts none				
		round size of end of thumb at arm's length				
		about same as jet aircraft disappeared (2)				
		E 75° above horizon white none 5				
		mts none round smaller than fist at arm's length				
		app 600 - 700 mph disappeared from				
		range of vision (2)				
		SE to S 40° to 50° above horizon zig-zag motion up &				
		down bright silver none 1 mt none				
		round size of dime at arm's length				
		about same as fast jet aircraft disappeared				
		from range of vision (2) (Sparks; AFOSI-LaPaz				
		Catalog May 1950; BB NARA Microfilm Roll 91 pp.				
		342-5, 473-4)				
350.		March 22, 1950. Kirtland AFB (Albuquerque), New	1.5-3	2 [3?]		
		Mexico. 12:10 a.m. Sandia Base, New Mexico SE	secs			
		to NW line parallel w/line tangent to the earth blue				
		center with orange exterior none 1 round like				
		ball from roman candle 30° azimuth burned out				
		(Sparks; BB Microfilm Roll 91 pp. 373-4, 475-6)				

351.		March 22, 1950. Kirtland AFB (Albuquerque), New	5-6	11	10 ?	
331.		Mexico. 11 a.m. 11 members 4925th Special Weapons	secs++	11	10 !	
		Group. NW changing to N 25,000 to 30,000'	??			
		horizontal tan to brown none none				
		flying wing about size of golf ball held at				
		arm's length extremely high speed disappeared				
		(2) (Sparks; BB Microfilm Roll 91 pp. 351-4,				
		473-4)				
352.	678	March 27, 1950. Motubu Peninsula, Okinawa. 10:30 a.m.	12 mins	2+?		RV
		USAF antiaircraft radar operator Cpl. Bolfango tracked				
		stationary target on radar at 18 miles range for 10 mins at				
		13,000 ft. Object then moved on 220° heading for 16.9				
		miles in 2 mins or about 500 mph to a point over a mountain apparently still at 13,000 ft, where it was lost.				
		Visual observation not detailed, only mentioned in				
		summary. (Sparks; Berliner; Jan Aldrich)				
353.	680	March 28, 1950. Santiago, Chile (33°30' S, 70°40' W).	5-10 secs	1		binoculars
333.	000	3:15 p.m. M/Sgt. Prince Patterson, U.S. Air Attache's	3 10 3003	1		omoculars
		office, saw a white object through binoculars flying at				
		extreme altitude and speed, crossing 30° of sky in the				
		WNW about 300° azimuth at one point briefly lost in				
		sun's glare [at 296° azimuth 29° elevation] then				
		reappearing [and crossing the sky to about 330° azimuth].				
		Patterson left roof of U.S. Embassy to retrieve camera				
		with telephoto lens but object was gone when he returned.				
254	602	(Sparks; Berliner; Jan Aldrich)		2		
354.	682	March 29 [30?], 1950. Marrowbone Lake, Tenn. 7 a.m. Real estate salesmen Whiteside and Williams saw 6-12		2		
		dark objects shaped like 300-lb. bombs, estimated 5 ft				
		long, flying 500 mph in descent, making a noise like wind				
		blowing through the trees. (Sparks; Berliner)				
355.		April 1, 1950. Los Alamos, New Mexico. 4:20 a.m.	<1 sec	1		
		(MST) White light seen about 75° above horizon.				
		(Sparks; BB Microfilm Roll 91 pp. 374-5, 475-6)				
356.		April 7, 1950. Logan Airport, Boston, Mass. (42.36° N,	10 mins	4		binoculars
		71.06° W). CAA Watch Supv. Connelly and 3 controllers				
		saw a deep-blue ellipsoid object in the W at 15° elevation				
		moving SW-NE opposite the winds, changing back to				
		blue, split into 2 blue lights revolving around each other				
		then separate, change to white then cherry-red, increasing				
		to 45° elevation, disappearing in NE. Overcast at 16,000				
		ft. (Sparks; Hynek UFO Rpt pp. 65-68; Saunders/FUFOR Index)				
357.	706	April 8, 1950. Kokomo, Indiana (40.50° N, 86.13° W). 2	2+ mins	1?	30	
557.	, 00	a.m. Earl Baker saw a grey metallic disc, 50 ft in	2	**	50	
		diameter, 15 ft thick, top-shaped with a "conning tower" at				
		the top and three ports on the rim giving off a blue light.				
		Hovered for 2 mins about 200 ft away, slowly spinning				
		and oscillating, then flew away to the N. Baker aroused				
		from sleep by his dog. (Sparks; Berliner; cf. Vallée				
		Magonia 75)				
358.		April 10, 1950. Brookley AFB (30°38' N, 88° 3' W) and	30 secs	4		
		Bates Field, Mobile, Alabama. 2 p.m. USAF control				
		tower operator, civilian tower operator and pilots of 2				
		aircraft saw an object flying to the NE or E over Brookley				
		AFB at 3,500 ft altitude about 45° elevation from Brookley tower. (Sparks; Willy Smith files)				
	<u> </u>	brookiey tower. (Sparks, willy Silliul Hes)				

359.	711	April 14, 1950. Ft. Monmouth, New Jersey (40°31' N,	3-4 min	1		
339.	/11	74°05' W). 2:30 p.m. Army M/Sgt. James saw 4	3-4 IIIIII	1		
		rectangular, amber objects, about 3 ft by 4 ft, change speed				
		and direction rapidly, rising and falling as a group.				
		(Sparks; Berliner)				
360.		April 17, 1950. Los Alamos, New Mexico. 3:30 p.m. UC	20-30	3 to	1/5 to 1/4	UC
500.		scientists Buck, et al., with telescope. (Sparks; BB	secs to	13	1/3 to 1/1	scientist,
		Microfilm Roll 91 pp. 376-9, 475-6)	15-30			telescope
			mins			1
361.		April 18, 1950. Near Memphis, Texas. 9 a.m12:40 p.m.	3hrs40m	5+	1/2	triangulatio
		(CST). CAA observers in Clarendon, Texas, saw				n; test pilot
		unidentified object to the SE while [CAA?] observers in				_
		Childress about 60 miles SE saw object to NW and				
		triangulated stationary object midway in between near				
		Memphis, for 3+ hrs beginning at 9 a.m., which did not				
		move significantly despite winds aloft. Northrop				
		engineering test pilot Max Stanley and observers Lloyd				
		Balsam and Sam F. West were asked to intercept object as				
		they were about to take off in F-61C (AF 8357) from				
		Amarillo on an MX-775 test (Navaho cruise missile				
		celestial guidance test), and a B-36 also took off from Ft.				
		Worth to intercept. [At about 12:20 p.m. after flying ESE				
		from Amarillo] F-61 crew reached 20,000 ft near				
		Memphis and saw a translucent silver spherical shaped object ahead of them to the SE at "considerable distance"				
		•				
		at 30,000+ ft with "prominent detents" top and bottom with a dark vertical streak or shadow, and streak tilted				
		occasionally resulting in object moving laterally slowly				
		and briefly, with no visible means of propulsion. Object				
		was visible only when sunlight intermittently reflected on				
		it. Contact with CAA Amarillo Range Station revealed no				
		other aircraft in area at high altitude. F-61 crew flew 10				
		mins at 200+ mph (150 mph IAS) toward object heading				
		SE but could not overtake it though apparently closed				
		distance so that object was better observed, appearing as if				
		possibly a weather balloon, however CAA Amarillo				
		denied the possibility due to winds aloft and extreme				
		length of CAA observation. Object then disappeared				
		behind or into a deck of high altitude cirrus clouds. F-61				
		continued on SE heading for about 5 mins at 30,000 ft [at				
		about 20 mi SE of Clarendon] and UFO reappeared				
		slightly to the right and higher, very close to the base of				
		the cirrus cloud deck, and much closer than when it had				
		disappeared. UFO angular size 1/2 of Full Moon. F-61				
		made radio contact with B-36 crew at 46,000 ft, above the				
		cloud layer who could not see object. UFO then				
		disappeared again behind or into a cloud [probably after <				
		1 min], F-61 circled for about 5 mins [about 30 mi SE of				
		Childress], then regained object for about 30 secs in a break between 2 clouds before losing sight of it for the last				
		time. F-61 had to descend due to depletion of oxygen				
		supply, 2-3 mins later B-36 broke off attempted intercept				
		too. Possible Skyhook balloon but no record of a launch;				
		Insufficient Data to identify. (Sparks; Jan Aldrich; Herb				
		Taylor; BB Maxwell Microfilm Reel 7, pp. 1592-8)				
	L	Taylor, DD Manwell Microffill Reel 1, pp. 1372-0)	<u> </u>		l	

262	500420 1520 Los Alemas New Maying manusured	15.20			
362.	500420 1530 Los Alamos, New Mexico manuevered	15-30			
	up & down bright metallic none 15-30 mts	mins			
	none roughly circular est 9' in diameter				
	faster than conventional aircraft lost sight of				
262	object (2) (Sparks; AFOSI-LaPaz Catalog May 1950)		4		1 /
363.	April 23, 1950. Red Bud, Illinois. 3:58 p.m. Pho-		4		photo
	tographer Dean Morgan, Mr. and Mrs. Greene, and Donald				
	Gene, saw and Morgan photographed hovering object that				
	shot away. (Sparks; Randle)				
364.	April 27, 1950. 10 miles NE of Camp Haugen, near	2.5-3	1	6	
	Hachinohe, Japan (at 40.6° N, 141.7° E). 2:45 p.m.	mins			
	Misawa AFB 7th Fighter Bomber Sq USAF pilot 2nd Lt.				
	James Henry Petty was flying F-80C jet fighter in a slight				
	turn to the left at 25,000 ft 320 mph (IAS?) heading NE				
	about 45° azimuth to meet up with a lead aircraft				
	(apparently another F-80C) piloted by Lt. Sofbom of 7th				
	Fighter Bomber Sq, also heading NE at 45° at this point in				
	a sharper gradual left turn, when he saw an unidentified				
	object about 3 miles away at his 2 o'clock position (about				
	ESE) following the lead aircraft in a tracking position				
	about 1,000 ft below and to the right-rear [about 5 o'clock				
	position roughly 1 mile away] from the lead aircraft				
	traveling about 275-300 mph, silhouetted against clouds.				
	During the lead aircraft's wide left turn that eventually				
	resulted in a 260° heading, the UFO "accelerated" and				
	pulled up to level position [at 3 o'clock] and climbed to				
	the lead plane's altitude while the F-80C rapidly				
	approached and overflew both the lead aircraft and UFO,				
	having to climb (slightly) to avoid collision [now heading				
	about NW about 315°], but getting "a very good look from				
	the top and both sides" of the UFO, Petty saw that it was a				
	rectangular cream-colored flat object appearing to be made				
	of "muslin" about 20 ft high, 60 ft long, but only about 2				
	inches thick, oriented vertically, not reflecting sunlight				
	despite bright sun, no exhaust, no apparent means of				
	propulsion, not wavering or fluttering. Petty first thought				
	it was an aerial tow target but knew there was no aerial				
	gunnery scheduled. After being overflown, UFO pulled				
	away from lead aircraft, accelerated to 600 mph on a 330°				
	heading [climbed to 28,000 ft?], overtook and crossed in				
	front of Petty's F-80C from behind and left to right [from				
	about Petty's 7 o'clock to 1 o'clock positions] and				
	disappeared in the distance against a clear sky. Similar				
	incident next day near Wakkanai. (Sparks; Jan Aldrich;				
	Weinstein)				
365.	April 27, 1950. Plymouth, Mass. 9 a.m. USAF pilot		1		
	flying F-86 jet fighter saw a light-brown flat oval object				
	that climbed to 28,000 ft and turned. (Sparks; Weinstein;				
	BB files??)				
366.	April 27, 1950. Holloman AFB, Alamogordo, New		sever	1/50	cinetheodol
	Mexico. While preparing for an MX-776A Shrike air-to-		al	(0.25°	ite
	ground missile test Charles Riggs and other members of			equiv in	triangulatio
	USAF contractor Land-Air, Inc., Askania theodolite crews			theod)	n
	saw, tracked, filmed 4 high flying objects on a			ouj	"
	cinetheodolite at station P-10 and a theodolite at station				
	M-7. Triangulation resulted in 30 ft size and 150,000 ft				
	altitude for the "high speed" objects located between				
	Holloman AFB and Tularosa Peak. (Sparks)				
	Tronoman / I D and Tularosa I cak. (Sparks)	L	L	<u> </u>	<u> </u>

367.	April 27, 1950. Near South Bend (or Goshen?), Indiana. 8:24 p.m. (CST). Trans World Airlines Flight 117 pilot Capt. Robert Adickes and FO Robert F. Manning heading W en route to Chicago in a DC-3 at about 200 mph and 2,000 ft altitude saw off to the right well to the rear a bright red disc-shaped object, 5:1 to 10:1 width/height ratio, no trail, angular size of an orange at 20 ft, rolling on edge vertically on a parallel course to their plane overtaking it gradually in about 2 mins at slightly below 2,000 ft altitude until it reached about 100° relative bearing about 1/2 mile away. Adickes and stewardess Gloria Henshaw were then called in to watch, as well as at least 11 passengers including Boeing engineers C. H. Jenkins and D. C. Bourland, executives E. J. Fitzgerald, S. N. Miller, et al. When airliner was turned toward the object it veered off at 400 mph dropping down to about 1,500 ft headed N (or NNW), presenting edge-on view, disappearing in a few mins. (Sparks; McDonald 1968; Project 1947; Keyhoe 1953; NICAP)	6-7 mins	14	2	Boeing aero? engineers
368.	April 28, 1950. About 2 miles W of Wakkanai, Japan (at 45°23' N, 141°38'E). 11:30 a.m., 12:30 p.m. Misawa AFB 9th Fighter Bomber Sq USAF pilot 1st Lt. James H. Harvey flew an F-80C jet to attempt to intercept unidentified target tracked by Radar Site #18 without success. After 1 hr, at 12:30 p.m., while flying due N 360° about 2 miles W of Wakkanai at 300 mph (IAS?) at 30,000 ft Harvey saw an object about 7 miles to his left in the W on a S 180° heading at 600-650 mph and lost it in the clouds or over the top of the clouds after about 5 secs. Object apparently circled around at high speed in about 10 secs [roughly 8 miles or about 3,000 mph] reappearing on Harvey's right [at around 2 o'clock position] and continued to circle from right to left in front of the F-80C apparently still at 10,000 ft and closer [roughly 1 mile], was seen "clearly" contrasted against the ocean. Object was a white square 12 x 12 ft (height x length) thin, appearing somewhat like an aerial tow target, oriented vertically, with no evidence of propulsion, exhaust, control surfaces or lights. Object was lost after about 5 secs when it blended in with the lower overcast clouds on about 270° W heading [roughly 10 o'clock from F-80C possibly 3 miles range]. F-80C had been in continuous radio contact with Radar Site #18 during UFO sightings but radar was unable to track either the UFO or the F-80C. Harvey had another F-80 in sight the entire time. Harvey descended to 18,000 ft and searched for the UFO for 15 mins without success. Similar incident previous day near Camp Haugen, Japan. (Sparks; Jan Aldrich)	?+5 secs+5 secs	1+1	1/4 ?	radar
369.	May 1, 1950. Kirtland AFB (Albuquerque), New Mexico. 3:10 p.m. 2 members 690th ACW Sq. saw metallic object angling downwards headed SW to NE. (Sparks; BB Microfilm Roll 91 pp. 388-390, 475-6)	1 sec	2		
370.	May 5, 1950. Elmendorf AFB, Alaska. Several witnesses reported to 57th FIS seeing hovering intense reddishorange light overhaed above Elemendorf AFB beneath overcast cloud layer at 7,000 ft. Hovered for 5 mins then departed at high speed. No noise or acrobatic maneuvers. (Sparks; AFHRA index for 57th FIS History)	5 mins	sever al		

371.	721	May 7, 1950. 9 miles S of Ely, Nevada. 6:45 p.m. Mr. and Mrs. George Smith and their grandson saw a silvery	10 mins	3		
		white object hover at 100 ft altitude, move back and forth				
		then fly up out of sight at high speed. Note in case file:				
		"No investigation." (Vallée Magonia 79; Randle)				
372.		May 11, 1950. About 9 miles SW of McMinnville,	2-3 mins	2+	3	stereo
		Oregon (UFO at 45.103° N, 123.337° W). About 7:20			(1.67°)	photo pair
		p.m. (PST). Evelyn Trent was feeding the rabbits in her				
		backyard just before sunset when she spotted an object to				
		the N in the distance and called out to her husband Paul				
		Trent, who was in the house at the back door, asking him				
		to retrieve their camera. She went into the garage to look				
		for the camera but Paul found it in the house, ran out into				
		the yard toward where his wife had been standing, then he				
		saw the rapidly approaching large metallic object to the N				
		heading almost directly towards them, "tipped up" its flat				
		underside towards them, felt a gust of wind seemingly				
		from the object, snapped a photo of the object at azimuth				
		334.8° (about NNW) elevation 14°, angular size 1.67°.				
		Paul Trent was at 45.1007° N, 123.3344° W, in his back				
		yard between the house and garage. Then as the object				
		turned on a W heading he walked ~5 ft to his right to				
		compensate for object's motion to the left, snapped a 2nd				
		photo about 30 secs after the 1st, which shows a metallic				
		pie-pan shaped object 1.46° angular size with a large off-				
		center tilted antenna or pole projecting from the top, at azimuth ~317.5° (about NW) 12° elevation. Evelyn had				
		joined Paul by the time he started taking pictures and later				
		described the arc covered between photos (determined by				
		a reporter as about 15° close to actual figure $\sim 17^{\circ}$).				
		Distance and size of object estimated by the witnesses as				
		about 1/4 mile distance and 20-30 ft diameter, or				
		"parachute-sized" (about 24-28 ft), which size/distance				
		figures translate to a maximum angular size 1.3° (close to				
		the photographically measured 1.46°-1.67°). AF Colorado				
		Project and Bruce Maccabee estimated distance about 1				
		mile and object diameter about 100 ft but methodology is				
		mistakenly based on excess brightness of what was				
		supposed to be dark shadow of the bottom of the object (in				
		fact the bottom was not in shadow but caught bright				
		nearly-direct sunlight at sunset from bright sky				
		illumination at near grazing angle ~2° off of direct				
		sunlight). Several other witnesses reportedly saw the				
		object. (Sparks; Condon Report pp. 396-407; Bruce				
		Maccabee; Hynek UFO Rpt pp. 244-5; etc.)				
373.		May 19, 1950. 100 miles E of Honshu, Japan. 2 military		3+?		radar
		aircraft pilots saw stationary kite-like object tracked by				
		ground radar. (Sparks; Project 1947; McDonald list)				

374.	May 24, 1950. Holloman AFB, Alamogordo, New Mexico. During an MX-674 Tarzon controllable vertical bomb test, Floyd Fannon and other USAF contract Land-Air, Inc., Askania theodolite crew members saw 8 unidentified objects then separately tracked and filmed 2 of the objects down the North American Aviation missile firing range. Cinetheodolite station P-8 filmed one object to the NE for 6 frames (1.0 sec) moving uniformly to the S from azimuth 38°26'59.2" to 38°33'59.2" and elevation 47°32'20" to 47°25'50". Cinetheodolite station P-10, located 5.6781 miles down range to the N (to azimuth 347.07723°) from P-8 and 7 ft higher, filmed another object, hence no triangulation possible, viewed to the E for 74 frames (14.6 secs) moving uniformly to the N from azimuth 86° 9' 9.2" to 85°47' 9.2" and elevation 25°48' 0" to 25° 7'50". (Sparks)	15+ secs	multi ple		films by cinetheodol ites
375.	May 29, 1950. About 7 miles W of Mt. Vernon, Virginia (at about 38°42.5' N, 77°13' W). 9:20 p.m. Capt. Willis T. Sperry with about 10,000 flying hours, copilot Bill Gates, flight engineer Robert Arnholt, a stewardess and 2-3 or 8 passengers on a DC-6 airliner headed 230° (about SW) out of Washington, D.C., en route to Nashville, at 7,500 ft at 250 mph, saw a spindle-shaped 150 ft long metallic object with intense blue light (about mag6) on the tail, beginning with Gates who sighted blue light from their DC-6 airliner on headon collision course. Sperry made evasive 45° turn to the right (to 275° heading), object passed from 11 o'clock to 7 o'clock position (about 125° or SE) to the left at slightly higher altitude meanwhile crossing in front of upper part of full moon to the S (at 145° or 159° azimuth 22° or 27° elevation, depending on whether EST or EDT time, 97% full) where submarine-like silhouette clearly seen, about 5 miles away. Sperry turned left back onto original course to get the object back in view, object may have stayed stationary about 30 secs at this point. Gates then noticed object circled around to the right side, Sperry banked right again, while the object paced the airliner about 20-30 secs before climbing to the E at a 30° angle at "fantastic" speed and disappearing. (Sparks, Tom Tulien)	2-3 mins	6-12	2/3 – 3/4	
376.	June 16, 1950. E of Tucson, Ariz. (at 32° N, 110°35' W). 8:25 p.m. Air National Guard C-47 pilot Santini saw a triangular object pass the aircraft at 700 mph. (Sparks; Project 1947; Saunders/FUFOR Index)		1		

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377.	June 17, 1950. Hasselbach, East Germany. 2:30 a.m.		2+	60 - 70 ?	
	Central Europe Time. Town mayor Oscar Linke and				
	daughter Gabriele [Gabriella?] spotted landed 40-50 ft				
	frying pan-shaped object with two rows of 1 ft holes on				
	the periphery, a 10 ft tall black conical tower on top,				
	about 450 ft away, walked towards it until at about 130 ft				
	away saw two "men" in shiny metallic one-piece suits				
	stooped over, and approached to within 30 ft of the "men,"				
	when Gabriele called out, the "men" were alarmed and				
	jumped on the conical tower and went inside [object about				
	80 ft from witnesses?]. The tower retracted, a cylindrical				
	support column shifted position, object turned from green				
	to red, a slight hum was heard, it lifted off the ground and				
	started spinning, sound turned to a whistling as it				
	accelerated and headed off toward Stockholm. Linke				
	found a round dug impression in the ground seeming to				
	match the support column of the object. [Case frequently				
	misdated to June-July 1952 when first published in the				
	press after Linke escaped to the West.] (Sparks; Hynek				
	UFO Rpt pp. 204-6; Davis-Bloecher 1978; Loren Gross				
	June-July 20, 1952, pp. 39-41)				
378.	June 21, 1950. Hamilton AFB, Calif. 1:35 a.m. Cpl.		2		
	Garland Pryor and S/Sgt. Ellis Lorimer saw a disc-shaped				
	object shooting a blue flame, traveling at over 1,000 mph.				
	Case missing. (Sparks; Randle)				
379.	June 23, 1950. Gulf of Mexico (at 26°50' N, 86° 5' W).	1.5 mins	> 4 +		triangulatio
	7:40 p.m. (CST). USAF 308th Recon Group, Tinker AFB,		many		n
	7:40 p.m. (CST). USAF 308th Recon Group, Tinker AFB, Okla., "Pelican" weather recon flight at 10,000 ft heading		many		n
			many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt.		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins		many		n
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	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins in a wavy spiral or erratic elongated "S" shaped path from at least 50,000 ft to 20,000 ft (or from 50-70 miles down to		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins in a wavy spiral or erratic elongated "S" shaped path from at least 50,000 ft to 20,000 ft (or from 50-70 miles down to 30 miles per one witness) at estimated position 28°45' N,		many		n
	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins in a wavy spiral or erratic elongated "S" shaped path from at least 50,000 ft to 20,000 ft (or from 50-70 miles down to 30 miles per one witness) at estimated position 28°45' N, 89°45' W [apparently estimated by triangulating vapor		many		n
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	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins in a wavy spiral or erratic elongated "S" shaped path from at least 50,000 ft to 20,000 ft (or from 50-70 miles down to 30 miles per one witness) at estimated position 28°45' N, 89°45' W [apparently estimated by triangulating vapor trail as aircraft flew along a baseline of about 60 miles from a distance of about 270 miles] where it faded, leaving an extremely bright glowing bluish or blue-white smoke or vapor trail that persisted for 20 mins without dimming for		many		n
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	Okla., "Pelican" weather recon flight at 10,000 ft heading about 30° (about NNE turned to 326° or about NW at 7:44 p.m.) ground speed 173 knots (199 mph) with crew navigator 1st Lt. Donald D. Sherr, scanner Sgt. Elbert C. Bishop, engineer Tech. Sgt. John W. Horn, radio operator Sgt. Claudio S. Gonzales, saw at relative bearing 80° [to the right to the ESE?, contra other data to the left or NW?] a huge ball of fire descend slowly in 1-1/2 mins in a wavy spiral or erratic elongated "S" shaped path from at least 50,000 ft to 20,000 ft (or from 50-70 miles down to 30 miles per one witness) at estimated position 28°45' N, 89°45' W [apparently estimated by triangulating vapor trail as aircraft flew along a baseline of about 60 miles from a distance of about 270 miles] where it faded, leaving an extremely bright glowing bluish or blue-white smoke or vapor trail that persisted for 20 mins without dimming for 15 mins then finally fading into a soft blur at about 8:00 p.m. Bright object with extremely bright trail flying erratically. Numerous other witnesses in Alabama, Texas, Mississippi [?], including National Airlines pilot Capt.		many		n

380.		June 24, 1950. Daggett, Calif. 8:08 p.m. (PST). Numerous observers over Nevada and Calif. United Airlines Capt. E. L. Remlin, First Officer David Stewart, observer Capt. Sam B. Wiper, and crew of 2, plus about 25 of 50 passengers on an airliner at 290 mph at 14,000 ft saw a brilliant bluish-center cylindrical or dirigible-shaped object with orange-tint fly a parallel course with the airliner for 20 miles [3-4 mins duration] at about 20-30 miles distance at 20,000 or 60,0000 or 80,000 ft then fade in the distance. Navy transport pilot sighted dark gray or gunmetal cigar-shaped object 1/8 Full Moon angular size, with faint radiant exhaust at estimated speed 1,000-1,500 mph, altitude 50,000-100,000 ft, 3 mins, traveling N then turned W to disappearance. Lovelock, Nev., airport 30 pilots sighted vapor trail persisting for 20 mins. Witnesses in Ely, Pioche, and Briston Silver Mine, Nev., sighted vapor trail or smoke in a "3" shape to the W for ½ hour. (Jan Aldrich; David Rudiak; Weinstein; UFO Evid.)	3 mins (1/2 hr duration of contrail)	100's	1/8	
381.	738	June 27, 1950. Texarkana, Texas (33.43° N, 94.05° W). 7:50 a.m. Red River Arsenal employees Terrell and Yates saw a bright object shaped like two dishpans face-to-face, fly straight and level at high speed. (Sparks; Berliner)	4-5 secs	2		
382.		June 27?, 1950. Louisville, Kentucky (38.24° N, 85.77° W). Movie film of UFO taken by newspaper reporter Al Hixenbaugh. Clandestine investigations initiated by AF Intelligence and AF R&D. (Sparks; Saunders/FUFOR Index)				film
383.		June 29, 1950. Phoenix to Blythe, Calif. 5:45-8:35 p.m. B-29 pilot. (BB NARA Microfilm Roll 91 pp. 482)		1		
384.		July 11, 1950. Near Osceola, Ark. USN pilots of 2 planes saw a domed disc. (Sparks; Weinstein; BB files??)		2		
385.		July 13, 1950. Fort Peck, Montana. 11:50 a.m. USAF Weather Recon flight crew saw 4 groups of round metallic silver objects. (Sparks; Weinstein)		2+?		
386.	758	July 13, 1950. Huntsville, Alabama. 5 p.m. 2 Redstone Arsenal employees including Mr. Washburn, saw a polished aluminum object, shaped like a bowtie fly straight and level, then one triangle rotated 1/4 turn in the opposite direction and returned to its original position. Object then made a right-angle turn and accelerated away. (Sparks; Berliner; Saunders/FUFOR Index)	30 secs +	2		
387.		July 15, 1950. Los Alamos, NM. 2:15 p.m. Sighting from Gamma Bld., LANL, of bright metallic aluminum-colored flying-wing-shaped object, no fuselage, with transparent section in middle, 15° above the horizon, heading E to W over mountain range at estimated distance of 15 miles, size about 35 ft, speed about 300 mph, yawing motion in straight flight, seen from window which blocked view of disappearance. (Sparks; BB NARA Microfilm Roll 91, pp. 489-492)	1 min	1	1/20 ?	

388.		July 31, 1950. 12-15 miles NW of Bernalillo, NM (35°22' N, 106°40' W). 11:54 a.m.–12:20 p.m. (MST). NM Air National Guard 188th Fighter Sq, 1st Lt. James F. Savage, in F-51 fighter aircraft at 14,500 ft saw a flash of light about 2,200 ft below his aircraft level about 10° below his horizontal, obejet at about 3,000 ft slant range gradually descended to 9,800 ft as pilot increased speed to 340 (mph?) and descended to 12,200 ft to chase bronze-to-amber colored smooth tear-drop shaped obejet, slightly smaller than F-51, heading 60° gradually turning right to the E, for 26 mins until it disappeared in clouds, at about 34°35' N, 105°35' W. (Sparks; BB NARA Microfilm Roll 91, pp. 493-5)	26 mins	1	1	
389.	773	Aug. 4, 1950. Approx. 100 miles SE of New York City (39°35' N, 72°24.5' W). 10 a.m. (EDT). Master Nils Lewring, Chief Mate Jacob Koelwyn, and the Third Mate, of M/V Marcala saw a 10 ft elliptical half-egg or cylindrical object, with shiny aluminum or metallic white surface sparkling in sunlight, approach from the SW heading NE at 50-100 ft altitude, approaching to within 1,000 ft or 10 miles (depending on witness) at 25 to 500 mph (depending on witness), flying with a churning or rotary motion, accelerating at end of sighting. (Sparks; CIA Office of Operation OO doc; Carl Feindt Water UFO Catalog; Berliner; Tony Rullan; NICAP website)	15 secs to 1.5 mins	3		
390.		Aug. 7, 1950. Near Santa Fe, New Mexico (35.68° N, 105.94° W). 4:50 am. USAF fighter pilot 1st Lt. Henry W. Frazier with 93rd FI Sq saw black object fitst thought to be a C-47 or C-54, at 20,000 ft on heading 20° outpace his 620 mph [F-86A] fighter (at 30,000 ft) and disappear in the distance, at about 15 miles range straight and level flight, as he descended to pursue. (Sparks; NARA BB Microfilm Roll 91, pp. 497-9; Project 1947; Saunders/FUFOR Index)	5 mins	1	1/10 ?	

391.	Aug. 14, 1950. 10 miles N of Cromer, England (52°56' N,	23 mins	5+	RV
0,1.	1°19' E). 1:22 p.m. (GMT). RAF Fighter Command	_5 111115		
	Control at Neatishead radar (52°44' N, 1°28' E) tracked an			
	unidentified aircraft designated "85N" at 55° azimuth			
	range 90 miles, located near Cromer at 15,000 ft traveling			
	about 325 knots (375 mph). After 2 mins radar tracking,			
	Neatishead GCI controller scrambled 257 Squadron Red			
	Section leader Flight Lt. Kartley and a wingman at 1:24			
	p.m. in 2 RAF Meteor jet fighters from RAF Horsham St.			
	Faith (52°40' N, 1°17' E), airborne 1:27 p.m. At 1:28			
	p.m. Neatishead Type 13 radar tracked target at 40,000 ft			
	and height was radioed to jets which leveled off at 15,000			
	ft. At 1:35 p.m. jets reached 10 miles N of Cromer			
	climbing in altitude to 25,000 and 30,000 ft where the			
	pilots saw two vapor trails suggesting to them widely			
	spaced engines on a single aircraft to their right at great			
	distance and higher altitude on a heading of 280° on a			
	parallel course to the jets. Jets got "slightly ahead" of the			
	contrails while keeping them in sight, at a radar track			
	range of 5 miles to the target. At 1:41 p.m. Neatishead			
	radar plotted unidentified target and Meteors at 7 miles			
	due N of Hunstanton (52°56' N, 0°29'E) heading WNW.			
	At 1:42-1/2 p.m. pilots saw contrails change heading to the			
	right and they did the same, heading NW or N, all			
	confirmed by Neatishead GCI radar controller. At 1:45			
	p.m. radar tracked jets and target 5 miles S of Mablethorpe			
	(53°20' N, 0°15' E), when blips faded; at this time pilots			
	were at 38,000 [or 38,800] ft with contrails still above			
	them and behind on the left at 7 o'clock position,			
	estimated visually at 30 miles distance when contrails			
	turned to the right heading due N 360° then disappeared.			
	Jets made 360° right turn while still climbing to 39,500 ft			
	but were unable to see contrails or aircraft. Object always			
	remained too far to be seen. At 1:49 p.m. blips reappeared			
	on GCI Neatishead radar which tracked the jets 10-15			
	miles E of Grimsby (53°48' N, 0° 8' W), but no			
	unidentified target, and GCI ordered jets to turn right to			
	the S to verify target identity on scope. Two USAF F-84's			
	from Manston (51°21' N, 1°21' E) in the area			
	independently saw the Meteors at about 36,500 ft and also			
	the two unidentified contrails higher above. [Apparently			
	not reported to the USAF, two hours earlier at 11:27 a.m.,			
	about 150 miles to the SSW of Cromer area, Flight Lt.			
	David Hubbard at the Royal Aircraft Establishment,			
	Farnborough, Eng., after hearing a subdued humming			
	noise like a "model" (?) diesel motor, looked around for the source then sighted a light pearl gray disc almost			
	directly overhead estimated 50 ft diameter at about 5,000			
	ft altitude (= about 1 Full Moon angular size) heading on course 100° (almost due E) at 800-1,000 mph making S-			
	turn oscillations which reflected sunlight off different parts			
	of the disc, seen for 30 secs.] (Sparks; Jan Aldrich; [UK			
	JTIC/DSI FSWP Report 7, June 1951])			
	JIIC/DOLLOWI Report /, Julie 1931])		l	İ

[7837] 1:30 p.m. USAF MATS Iaison officer Lt. William G. Ghormley, Col. William V. Brown, It. Col. Lloyd W. Brauer heard an aircraft overhead (a Turkish C-47 at 9,500 ft heading SE to Beirut) and looked for it but saw a small, round or elliptical, bright object directly overhead traveling W at terrific speed and high altitude moving somewhat erratically passing through the glare of the sun about 15° below zenith with no change in brightness [sun then at 58° elevation 231° azimuth to the SW], until disappearing about 30°-35° above the [W?] horizon, clear weather visibility 50+ miles. Brown called Brauer's attention to object the last 2-3 secs. (Sparks, Jan Aldrich) 393. Aug. 21, 1950. Echterdingen Air Base (48°41° N, 9°13° E lev 396 m), Suttigart, W Ger. 9:54, 9:58–95 a.m. USAF Cpl. George P. Searlett, 18th Weather Sq. Det 18-32, Echterdingen AB (Army Air Field), launched a 100-gram pilot balloon tracked by theodolite at 9:30 a.m., briefly noticed a small white object pass across his field of view at about 9:54 a.m., just before the balloon burst at 9:55 a.m. He followed a broken balloon fragment in the theodolite for 3 mins after the balloon burst at 9:55 a.m. He followed a broken balloon fragment in the theodolite for 3 mins after the balloon burst, when at 9:58 a.m. he spotted a small white object again crossing his 2° field of view of the theodolite, at azimuth 80° (almost due E) 25° elevation headed S for 1 min, appearing as a white oval 15 arcmins in size [1/2 Full Moon with naked eye but possibly 10 Full Moons in optics] then appearing grayish-white with several small lines or shadows on its surface with indistinct outline, when it abruptly changed direction to WSW at high speed and disappeared into the sun [at 99° azimuth 25° elevation]. (Sparks, BB Maxwell Microfilm Roll 8, pp. 161-2) 394. Aug. 23, 1950. Philadelphia, Penn. (at 39°57.2° N, 75°10.0° W elev. 40 ft) 9.05 p.m. (EDT). Retired USAF Col. D. Moreau Barringer and mother-in-law Mrs. Albert Newcombe sighted a white point of light 15 to 45 arcsee							
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395.	787	Aug. 24, 1950. About 250 miles SW of Bermuda (at 29° 40' N, 67° 28' W). 8:04-8:24, 8:27 p.m. (AST). USAF 373rd Recon Sq (Very Long Range) B-29 from Kindley AFB, Bermuda, piloted by 1st Lt. Frank J. Stockton was flying at 192 knots (221 mph) at 10,000 ft heading 27° (about NNE) when radarman S/Sgt. William W. Shaffer turned on his APQ-13-A radar and tracked a distinct bright unidentified target appearing to travel at same speed and heading as B-29 but about 1,000 ft lower and at 10° left of dead ahead 12 o'clock position about 1-1/2 miles away. Shaffer alerted pilot Stockton who alerted crew to look for visual, without success, possibly due to 50% cumulus cloud coverage; two officers verified Shaffer's radar scope readings. Radar target maintained position for several mins then started to fall behind gradually until overtaken by B-29 passing about 1/4 mile to the left, then holding a trailing position behind the B-29 for about 5 mins, then increased speed passing B-29 on the right at about 1/4 mile, drawing slightly ahead of B-29 then gradually turning away to the right and accelerating rapidly. Pilot turned away 20° left to see if target would follow, but it didn't, instead continuing its gradual right turn until it disappeared off scope at about 400 knots (460 mph) at 8:24 p.m. at 30°15' N, 67°12' W [about 30 miles to the SSW when B-29 was at about 30°37' N, 66°54' W]. At about 8:27 p.m. B-29 crew member saw a bluish streak flash past the left wing from headon position about 1,000 ft below, appearing like a meteor but less bright than	20 mins + ?	3 + 1		radar
		lightning. (Sparks; Jan Aldrich)				
396.		Aug. 27, 1950. Near Brockton, Mass. 6:30 p.m. USN radio mechanic John T. Early from Quonset NAS, Rhode Is., who was a licensed civilian pilot, was flying with a passenger Russell Des-Jardins at 1,300 ft when they spotted a shiny white spherical object with no projections or irregularities on its surface about 20 ft diameter at least 1,000 ft below their aircraft flying at high speed, jet speed [600 mph?], to the E cross wind. No exhaust smoke or unusual noise. (Sparks; Jan Aldrich)		2	2?	

397.	790	Aug. 30, 1950. S of Sandy Point/Indian Head, Newfoundland, Canada. 1:30-1:50 p.m. (ADT). 3 civilian Harmon AFB Water Transportation Section employees, John Kaeel, Fred Messervery and John Smith, located [in a boat] about 2 miles S of Indian Head (48°29' N, 58°30' W) saw a black or dark round object the size [shape?] of a barrel resembling a "large balloon" located about 3 miles SW of Indian Head (at 48°27' N, 58°33' W) about 1-1.5 [?] miles offshore [apparently about 2 miles to the W of the observers]. The object was hovering just above the water and after a few mins began to slowly ascend to about 15-20 ft above water, then descended again to just above water, in about a 40-60-sec cycle each time which occurred 3 times. On the last cycle the object remained near the surface about 3-4 mins when it ascended vertically until disappearance at 1:50 p.m. [See similar sighting at 2 p.m. near Kippens.] Helicopter search at 4:20 p.m. negative. [No unidentified ground radar returns were reported yet false explanation of "WX Returns" (weather returns) inserted into BB file listings.] (Sparks; Jan Aldrich)	20 mins	3	1/10 – 1/4 ??	
398.	790	Aug. 30, 1950. S of Kippens, Newfoundland, Canada. 2 and 4? p.m. (ADT). William Alexander, son Bill Alexander and nephew Austin Alexander, fishing in a dory boat about 1-1/2 miles offshore from Kippens, saw a black or yellowish-brown object thought to be a submarine, the size of a dory [about 20 ft] about 1-1/2 to 2 miles away [to the S?], about 3 miles offshore about 15-20 ft above the water, the shape of a large aerial gunnery target balloon or a barrel with a pole or periscope trailing from its center line into the water, moving at 3-5 mph to the NNE [towards shore?]. Object disappeared over the horizon; briefly resighted from high ground ashore sometime later [about 4 p.m.?]. Reported to the USAF at 4:10 p.m. No smoke, exhaust, noise or markings. Helicopter search at 4:20 p.m. negative. [See earlier similar sighting from Sandy Point/Indian Head.] (Sparks; Jan Aldrich)	5 mins + ?	3	1/5 to 1/4	
399.		Aug. 30, 1950. Holloman AFB, Alamogordo, New Mexico. 10:45 a.m. During a Bell Aircraft MX-776 Shrike missile test (for the later Rascal air-to-ground strategic missile) USAF M/Sgt and 8 Bell Aircraft employees on base saw two glaringly bright circular to elliptical unidentified objects maintaining relative position to each other following the B-50 launch aircraft from above on both the dry run and hot run prior to missile release. Objects gave "strong glare at all times" not reflected sunlight, maneuvered at high estimated speeds up to 10x the B-50 or roughly 2,500 mph for short distances, left no vapor trails, hovered, accelerated rapidly, made abrupt "square" turns with apparent size changing to indicate ascent and descent. (Sparks; Jan Aldrich; McDonald files)	30 mins	9		theodolite?

400.		Aug 21 1050 Hollomon AED Alamagarda Navy	2 hrs	multi	2/5	ainathaadal
400.		Aug. 31, 1950. Holloman AFB, Alamogordo, New Mexico. 10 a.m. – 1 p.m. (MST). After V-2 missile	3 hrs intermitt	multi ple	(0.22072	cinetheodol ite
				pie	`	ne
		launch no. 51, Project TWINKLE Askania theodolite	ent		° major	
		crews tracked and filmed multiple objects sporadically			axis)	
		several times from several different directions at very high				
		speeds over the course of 3 hrs. Askania cinetheodolite				
		station P-5 filmed object with major axis varying from				
		8.65 to 13.243 arcmins (0.1442° to 0.22072°), minor axis				
		3.493 arcmins (0.05822°), one frame per second on 60 cm				
		focal length camera, 35 mm color film. Tape recording of				
		audio reporting. Frames 593 and 595 (2 secs of nearly 10				
		mins? of film of object) show elevation angle changing				
		from 53°44' to 52°38' at a rate of 0.37°/sec. Attempted				
		interception by 4 F-86 jets from 93rd FIS, Kirtland AFB,				
		for 1 hr failed to locate objects, which apparently returned				
		after jets left. Cinetheodolite observers noted object with				
		definite shape and 3-D depth but indistinct or not sharp				
		edges, no smoke or trail, object seemed to "rock or				
		oscillate," lost when observer looked away to get angle				
		reading. (Sparks; McDonald files; Jan Aldrich)				
401.		Sept. 1, 1950. McKorryuk, Nunivak Island, Aleutians,	5 mins	2+		
		Alaska (60° N, 166° W). 7:30-7:35 p.m. Nunivak Island				
		CAA Airways Observer Timothy J. Kenick, George				
		Williams and others saw a strange deep red ball of fire				
		near the horizon to the N towards Siberia "hundreds of				
		feet" high which slowly faded out, followed by sudden				
		appearance of another round red ball of fire above the first				
		skowly fading out repeated another 2 times or so gradually				
		becoming oval shaped and moving toward Siberia, finally				
		disappearing behind clouds. (Sparks; Jan Aldrich)				
402.	797	Sept. 3, 1950. Spokane, Wash. (47.66° N, 117.44° W). 2	5 mins	3		
		p.m. Major R. J. Gardiner saw 3 metallic bronze discs, 20-				
		30 ft long, 2-6 ft thick, moving independently and				
		erratically; his wife and neighbor [Fortney?] saw 1 object.				
		(Sparks; Berliner; Saunders/FUFOR Index)				
403.		Sept. 8, 1950. Germany. (Sparks; McDonald list)				
404.		Sept. 13, 1950. 5 miles SW of Effingham, Illinois (at 39°		2		
		3' N, 88°36' W). 7:30 to 7:40 p.m. (CST). Cessna test				
		pilot D. D. Frye and passenger at 8,000 ft saw 3 dim rosey				
		red lights in triangle formation on collision course, flashed				
		landing lights several times then made sharp right turn to				
		avoid collision, then made climbing turn to the left to				
		observe observe object and saw the triangular arrangement				
		of 3 red lights. Object disappeared before full turn could				
		be completed. Investigated by AFOIN Technoal				
		Capabilities Branch (TCB) Lt Col Milton D. Willis and				
		Maj. Aaron Jeremiah Boggs. (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
405.		Sept. 18, 1950. Poplar [Poplar Bluff?], Montana (36.76°		4+		
105.		N, 90.41° W). 4 p.m. Air National Guard pilot James and				
		another flying F-51's, CAA tower personnel and other				
		ground witnesses saw a round object moving erratically at				
		high speed then hover. (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
		Summers/1 Of OK muck)	1	L	1	[

106	007	Cont. 20, 1050. Various locations Wit Compan to Aliman	20.20	17:	1
406.	807	Sept. 20, 1950. Various locations Kit Carson to Akron,	20-30	17+	
		Colo., Idaho, Wyoming, Utah, Arizona, NM, etc. 10:43 or	secs? to		
		10:45 or 10:49 p.m. (MST). Multiple fireball-like	1 min +?		
		sightings in central Colorado. Driver between Kit Carson			
		and Cheyenne Wells, Colo., sighted luminous objects			
		reportedly at 500 ft altitude, below cloud cover: 2 larger			
		3-7 ft saucer or spherical shaped, glowing objects and 3			
		smaller, internally lit objects; the 2 hovered for 1 min,			
		then moved at 200 mph across the road [in front of the			
		driver], then the 3 smaller objects came from behind or			
		within the 2 larger objects and aligned themselves with the			
		first 2. All sped upward vertically and away at 2,000 mph			
		disappearing by distance or by turning lighting off. USAF			
		B-25 crew with 3416th Training Sq flying at 241° Mag at			
		8,000 ft aboit 10 mi S of Akron, Colo., at 39°55' N,			
		103°05' W, saw brilliant white star-like object accelerate			
		and decelerate, emitting sparks, traveling (N to S?) across			
		path missing aircraft by 500 yards (?) 10-30 secs at 10:43			
		p.m. At least 17+ observers in 6 states. Probable meteor			
		1 *			
407.	809	fireball. (Sparks; Berliner; cf. Project 1947) Sept. 21, 1950. Bet. Provincetown and Isle of Shoals,	2+ mins	3	MIT radar
407.	009	Mass. 9:53-9:55 a.m. (EST). MIT research associate/Air	∠∓ IIIIIS	3	IVII I Iauar
		National Guard Maj. Myron Herbert Ligda and Joseph V.			
		Connelly tracked on SCR-615B radar at Cambridge,			
		Mass., an unidentified object heading N, during MIT			
		Weather Radar Research Group tracking of USAF flight of			
		2 Otis AFB F-86 jet fighters at 30,000 ft which were			
		heading 329° True Ground Course straight and level			
		course at 419 mph True Ground Speed (IAS 250 mph)			
		positioned at range 45 miles 105° azimuth initially, at 9:50			
		a.m. Object detected at 9:53 a.m. at about 55° azimuth at			
		about 21 miles range on a nearly intersecting straight line			
		course heading about 358° at about 1,320 mph, at about			
		25,000 to 35,000 ft. F-86 pilots were warned by VHF-1			
		radio but could not see object due to poor visibility haze			
		and uncertain UFO altitude when ground radar showed			
		object crossed about 3 miles [actually plotted about 1-1.5			
		miles ahead and blips "nearly merged"] in front of jets at			
		9:54:00 a.m. at about 70° azimuth range 25 miles. Object			
		speed about 1,500 mph as it made a sharp right turn and 5-			
		mile diameter loop of about 270° about 15 g's [~11.5 g's]			
		centripetal acceleration for ½ min, centered about 34 miles			
		range at 57° azimuth, back to the W headed towards MIT			1
		at 60° azimuth disappearing at about 22 miles range.			
		(Sparks; BB files; Jan Aldrich; Hynek UFO Rpt pp. 139-			
		141; etc.)			
408.		Oct. 12, 1950. Knoxville/Oak Ridge, Tenn. (35.98° N,			radar
		83.92° W). (Sparks; McDonald list)			
409.		Oct. 12, 1950. Oak Ridge, Tenn. Saucer-looking object			
		observed over K-25 area near NEPA Project area. Round,			
		as big as four room house, silver in color, with a blister at			
		the top of the saucer, and windows. Object rose slowly for			1
		about 100 feet, moved forward, rose again about 100 ft			
		and then disappeared at a high rate of speed. (Sparks; BB			
		files; NICAP website; Knoxville Journal, Oct. 26, 1950).			1

44.5		To 15 1050 01 Dit 150 1 - 151 -			21: 2	1
410.	819	Oct. 15, 1950. Oak Ridge AEC site, Tenn. (Solway Gate	? mins +	4	3/4 ?	
		near Kerr Hollow 35°59.0' N, 84°13.7' W). 3:25 p.m.	30 secs +			
		AESS (Atomic Energy Security Service) Trooper Edward	10 secs			
		D. Rymer and John Moneymaker of Univ. of Tenn.				
		Research Farm, saw a strange diving object shaped like				
		bullet with a smoke trail (Moneymaker saw a double pear-				
		shape), the bullet or pear shape turned into a flat 2x5-inch				
		grayish card shape with the smoke trail turning into a 20-ft				
		long flat shimmering light gray ribbon-like streamer with				
		small black line running down middle, which streamer had				
		a pulsating glow on the end 15-ft section which was also				
		partly transparent, which maneuvered at 3 mph to within				
		210 feet of witnesses, Rymer approached to 50 ft (but				
		object did not seem larger), object at 6-ft height above				
		ground maneuvered over road at Solway Gate to Oak				
		Ridge, jumped over a 9-ft chain link fence with a terrain-				
		following maneuver (object turned vertical to follow the				
		fence), then rose sharply to negotiate a 30-ft willow tree				
		similarly, card shape changed to pear shape with same tail				
		while en route to disappearing at increased speed over top				
		of a ridge to the SE about 1 mile away. Rymer called				
		attention of Hightower, employee of Maxon Construction				
		Co., who was driving up to Solway Gate, who then saw				
		object disappearing. AESS Capt. Joe Zarzecki arrived just				
		after disappearance of first object but saw 2nd and 3rd.				
		Second similar object appeared shortly afterward seen by				
		all 4 witnesses for about 30 secs at 300 ft height with				
		similar shape and maneuvers disappearing over same ridge				
		to SE. Then about 5 mins later a third object with similar				
		shapes and maneuvers, seen for 10 secs at 500 ft height by				
		all witnesses disappeared over same ridge to SE. One				
		object had a double pear shape. (Sparks; Berliner; FBI				
		files; BB AFOSI Microfilm Roll 90, pp. 636-637; Hynek				
		UFO Rpt pp. 142-3)				
411.	821	Oct. 15, 1950. Near Pope AFB, North Carolina. 4:20 p.m.	3 mins ?	3?		
		(EST). Miami Airlines DC-4 pilot Capt George A.				
		Woodward and copilot Williams Bradsley (Bardsley?) en				
		route from Raleigh, NC, to Miami, Florida, saw 4 round				
		shiny domed-disc 100 ft objects about 5 miles away, about				
		25 ft apart from each other in a line, which they pursued.				
		Objects backed away while descending slowly then took				
		off in a "burst of speed." Ground observer Army Capt				
		Harvey W. Daniel (ret.) ~47 miles away in Chapel Hill,				
		NC, may have seen one aluminum-like object, oblate				
		spheroid, at 4:25:40 p.m. (EST) heading NW in straight				
		flight for 10-12 secs. (Sparks; BB files; Berliner;				
		Saunders/FUFOR Index)				
412.		Oct. 16, 1950. Oak Ridge (Blair Gate), Tenn. 1:30 and	several	1 + 7		
		2:55 p.m. (at 36.0° N, 84.2° W) (Sparks; BB Microfilm	mins	+		
		Roll 90, pp. 638-9; NICAP)		radar		
		, , ,		crew		
	1		1	"		l .

412	024	0 4 22 1070 2 177 00 1 37 1 0 11 /	40	1	20	I
413.	824	Oct. 23, 1950. 2 mi W of Bonlee, North Carolina (at	40 secs	1	2?	
		35°39' N, 79°25' W). 12:42 p.m. Ex-USAF pilot Frank				
		M. Risher driving SE on Hwy 421 saw an aluminum				
		object about 2 miles away, below overcast clouds at 600-				
		800 ft altitude, shaped like a dirigible, size of B-36 stacked				
		double thickness, with 3-4 dark portholes, move from SE				
		to SSE, hover 35 secs and fly away to the SSE				
		disappearing into overcast. (Sparks; BB files; Berliner)				
414.		Nov. 5, 1950. Between Great Falls and Raynesford,		2		
		Montana. 6:00 a.m. (MST). Mr and Mrs Morrisette. Disc		_		
		came within 100 ft while driving. (Sparks; see BB Great				
		Falls-Ennis July 29, 1952, case)				
415.	829	Nov. 5, 1950. Oak Ridge, Tenn. 11:55 a.m. Fairchild	5-10	1	1/2	
413.	029	Aircraft illustrator Don Patrick saw a semi-translucent	mins	1	1/2	
			IIIIIS			
		object, light grey with dark core, shaped like a pear or				
		bean, flying with rapid darting movements in and out of a				
		cloud over a mountain range, Waldron Ridge, about 6				
		miles away at 305° magnetic or NW. (Sparks; BB				
		Microfilm Roll 90, pp. 643-5; Berliner)				
416.		Nov. 7, 1950. E of Lakehurst, New Jersey (40.01° N,		3	1/2 - 1	
		74.31° W). 7:15 p.m. USN pilot Lt. jg Robert Haven				
		flying AD-4Q at 3,500 ft heading W saw a steady white				
		10-12 inch light to his right at about 4,000 ft 5 miles away				
		heading SE, made a slight climbing turn to the left to get				
		on the tail of the object but it responded by making a				
		headon pass about 100-200 ft over the AD-4Q in a slight				
		dive at high speed. Haven made a tight turn to pursue,				
		noted no wash or slipstream from the object traveling at				
		about 900 mph, which made 5-6 headon passes at the AD-				
		4Q, climb rate >2,000 ft/min, chase abandoned at 11,500				
		ft., as object outmaneuvered aircraft. When jets arrived				
		object reached about 25,000 ft and disappeared. (Sparks;				
		Hynek UFO Rpt pp. 68-70; NARCAP)				
417.		Nov. 10, 1950. South Ruislip, England, UK. (Sparks;				
		McDonald list)				
418.		Nov. 14-15, 1950. Key West, Florida (24.58° N, 81.80°				
		W). (Sparks; McDonald list)				
419.		Nov. 23, 1950. Maxwell AFB, Alabama (32.37° N,				
		86.36° W). Thompson. (Sparks; McDonald list;				
		Saunders/FUFOR Index)				
420.		Nov. 29-30, 1950. Knoxville, Tenn. (35.98° N, 83.92°				
720.		W). (Sparks; McDonald list)				
421	015			2		
421.	845	Dec. 2, 1950. Nanyika [Nanyuki?], Kenya, Africa (0° 1'		2		
		N, 37° 5' E). 10:50 a.m. Mr. and Mrs. L. Scott saw a				
		pearly, iridescent object with a flattened top, spin while				
		hovering, making a sound like bees buzzing. Only data in				
		files from East African Standard newspaper. (Sparks;				
		Berliner)				
422.	848	Dec. 6, 1950. Ft. Myers, Florida (26.64° N, 81.87° W). 5		5		binoculars
		p.m. Former aircraft purchasing agent Harry Lamp and 4				
		boys, using 10x binoculars saw a 75 ft object, 3-4 ft thick,				
		bubble on top, silver with a red rim having two white and				
		two orange jets along it and a center that revolved when				
		the object hovered. Object flew away at very high speed.				
		(Sparks; Berliner)				
		(Sparks, Defiller)	<u> </u>		<u> </u>	

400	0.40	D 11 51001 1050 10 11 1111 00 11 11 1	1	2 . 2	
423.	849	Dec. 11 [18?], 1950. 10 miles NW of Gulkana, Alaska.		2+?	
		10:13 p.m. Crew of Northwest Air Lines flight 802 [and			
		military?] saw 2 white flashes, followed by a dark cloud			
		which rose and split in 2. (Sparks; Berliner)			
424.		Dec. 14, 1950. Fairbanks, Alaska. 2:26-2:33 p.m.	7 mins	2	
		(AHST). Two F-80 jet pilots flying over Weeks			
		International Airport, Fairbanks, at 8,000 ft at 380 mph			
		IAS heading 90° [?] (Mag) sighted smoky contrail or			
		column about 50 miles away near Mt McKinley,			
		apparently emitted by a cigar-shaped or fuselage-shaped			
		object, at estimated height 20,000 to 30,000 ft climbing to			
		55,000 to 60,000 ft. They turned to 210° Mag and			
		climbed to pursue but could not intercept object clearly			
		seen silhouetted against the sun [low on the horizon about			
		210° True azimuth], and abandoned chase near Clear,			
		Alaska (at 64°19' N, 149°10' W). (Sparks; AFOSI rpt)			
425.		Dec. 18, 1950. Oak Ridge, Tenn. (36.05° N, 84.20° W).			
		Calkins. (Sparks; McDonald list; Saunders/FUFOR			
		Index)			
426.		Dec. 27, 1950. Lakehurst, New Jersey (40.01° N, 74.31°			
		W). Folean. (Sparks; McDonald list; Saunders/FUFOR			
		Index)			
427.	864	Jan. 8, 1951. S of Ft. Worth, Texas (32.75° N, 97.32° W).	5 mins	4+	
		10:45 p.m. Mr. and Mrs. W. J. Boggus, plus unidentified			
		drivers and passengers in other cars stopped to watch 2			
		stationary groups of red and green lights in triangular			
		formations which then moved. (Sparks; Berliner;			
		Saunders/FUFOR Index)			
428.		Jan. 12, 1951. Los Alamos, NM. 5 a.m. 10 Los Alamos	1 sec+	10	
		Lba employees saw tear-drop shaped brilliant light with			
		small tail descend slowly, sky lit up for 1 sec. (Sparks;			
		BB NARA Microfilm Roll 85, p. 504; Maxwell Roll 1, p.			
		904)			
429.	868	Jan. 12, 1951. Fort Benning, Georgia. 10 (11:01?) p.m.	20 mins	9?	
		U.S. Army 2nd Lt. A. C. Hale saw a light with a fan-			
		shaped wake remain motionless like a star then speed			
		away. (Sparks; Berliner; Saunders/FUFOR Index)			
430.		Jan. 14, 1951. Jolon [S of King City or near Salinas?],		1	
.50.		Calif. 11:40 a.m. Private pilot Rosenburg of Navion		1	
		4582K saw 3 rectangular objects with flat tops. (Sparks;			
		Project 1947; Saunders/FUFOR Index)			
431.		Jan. 14, 1951. Big Bear Lake, Calif. (34°15' N, 116°53'		4	
1.51.		W). 12:38 p.m. Private pilot K. D. Hillman flying Navion		.	
		aircraft with 3 passengers saw 40-50 ft [150? ft] circular			
		object at 30,000 ft moving W towards Los Angeles.			
		George AFB unable to scramble fighters because			
		of a crashed aircraft on the runway. (Sparks; Project			
		1947; Saunders/FUFOR Index; NICAP)			
		1771, Saunders/1 Of OK mack, NICAL)			

432.	1037	Jan 16, 1951. Artesia, New Mexico (32.84° N, 104.40°	? + 40	10+	1/6 ?	1
732.	1057	W). 11 a.m. A. V. Swearingen, photographer Raymond	secs	+	1/0:	
		Dugan, pilot Raymond E. Stiles, and Alvin H. Hazel,	3003	7+		
		members of a balloon project of General Mills		, ,		
		Aeronautical Research Laboratory, while observing the				
		project's 110 ft balloon at an altitude of 112,000 ft spotted				
		a motionless dull white, round object 5/3 larger than the				
		balloon, apparently higher than the balloon, which then				
		flew off at high speed covering 45° in 3 secs [5+				
		miles/sec]. Other observers included 6 pilots on the				
		ground and a newspaper reporter from Artesia. Shortly				
		thereafter, the balloon crew, the manager of Artesia				
		Airport, 3 pilots and 2 newspaper reporters saw 2 gray flat				
		elliptical objects from the NW flying side-by-side, then				
		circle the balloon and fly away to the NE. Note: In May				
		1952 AFOSI re-interviewed the witnesses to clarify a				
		1951/1952 date ambiguity. (Sparks; BB Maxwell				
		Microfilm Roll 9, pp. 743 etc.; Berliner; BB Rpt 6; cf.				
		Hynek UFO Exp ch. 6, case DD-8; Loren Gross 1951 p.				
		4; Saunders/FUFOR Index; Joel Carpenter)				
433.		Jan. 20, 1951. Sioux City, Iowa. 9:20-9:26 p.m. (CST).	6 mins +	6	60 ?	
433.		Capt. Lawrence W. Vinther, copilot James F. Bachmeier,	[3 mins?]	U	00 !	
		passengers AF Colonel and aide, and CAA tower	[3 111118:]			
		controller John M. Williams. At 9:20 the 2 CAA tower				
		controllers sighted light in the W [NW?]. After Vinther's				
		Mid-Continent Airlines DC-3 took off he was asked by the				
		tower to look for light, then while still in a climbing 360°				
		turn at about 1,000 ft they spotted object to the NNW at				
		about 8,000 ft and 4 miles away that looked like a B-29				
		fuselage with wings but no engines, which blinked some				
		lights like running lights. Object came at the DC-3, flew				
		across the nose within 200 ft, they had to turn their heads				
		to follow it then suddenly found it instantly appeared on				
		the other side again, paralleled them for 2-3 secs, then flew				
		under them and disappeared in 2-3 secs to the NW.				
		(Sparks; Battelle Unknown No. 3; cf. NARCAP)				
434.		Jan. 21, 1951. Oak Ridge, Tenn. (36.06° N, 84.20° W).				
434.		6:20 p.m. (Sparks; McDonald list; Saunders/FUFOR				
		Index)				
		Inday)			l l	

125		In 22 1051 50 mile OF (FOE) - CH 11 APP	25	4	1/20	
435.		Jan. 22, 1951. 50 miles SE [ESE?] of Holloman AFB,	3-5 mins	4	1/20 -	
		New Mexico. 10 a.m. (EST [sic; PST?] 11 ? a.m.). Pilots			1/10	
		Capt. Ernest W. Spradley of Aerial Photo Lab and Capt.				
		James E. Cocker of All-Weather Flying Division both				
		AMC, Wright-Patterson AFB, Ohio, a General Mills				
		Aeronautical lab project engineer Mr. McAleese and an				
		airman, were flying in a C-47 heading E [ESE?] at about				
		11,000 ft [10,000-12,000 ft] and tracking a Project				
		GOPHER plastic balloon at about 50,000-70,000 ft				
		[70,000-100,000 ft] when they saw a bright star-like object				
		hovering seemingly next to the pear-shaped balloon or				
		above and to the side. As they approached and flew under				
		the balloon they noticed the object descend to the balloon's				
		level and grow larger in apparent size until about 1/4 to				
		1/2 the 70 ft balloon, when it appeared to be round and flat				
		like a dime, milky white or silvery in color with a clear				
		outline. Cocker and McAleese left the cockpit, went to the				
		astrodome to observe the object. After 3 mins they saw				
		the object separate from the balloon and head W at high				
		speed, after about 1 min it emitted a series of 3 bright				
		flashes like photo flashes at 1 sec intervals and				
		disappeared from sight. (Sparks; BB Maxwell Microfilm				
		Roll 8 pp. 956-9; Jan Aldrich; Saunders/FUFOR Index)				
436.		Jan. 24, 1951. Westover AFB, Mass. 10:45 a.m. (Sparks;	15+ mins			
		McDonald list; Saunders/FUFOR Index)				
437.		Jan. 26, 1951. Sea of Japan off coast of South Korea (at				radar
		36°40' N, 130°50' E). 2:05 p.m. Radar tracking of				
		unidentified target at 3,000 knots (3,500 mph). (Sparks;				
		Jan Aldrich; Saunders/FUFOR Index)				
438.	886	Feb. 1 [2?], 1951. Johnson AFB, Japan. 5:10 p.m. [?]		2		
		Pilot and radar operator of F-82 night fighter saw an amber				
		light make 3-4 360° turns to the right, reverse towards the				
		F-82 then climb out of sight. (Sparks; Berliner)				
439.		Feb. 15, 1951. Sea of Japan off coast of South Korea (at				radar
		38°30' N, 130° 0' E). Early afternoon. Radar tracking of				
		unidentified target at 12,000-14,000 mph. (Sparks; Jan				
		Aldrich)				
440.		Feb. 19, 1951. Near Mt. Kilimanjaro, Kenya. 7:20 a.m.	17 mins	sever		
		East African Airways Lodestar crew and several		al		
		passengers saw stationary silvery elongated object.		41		
		(Sparks; Project 1947; Saunders/FUFOR Index)				
441.		Feb. 19, 1951. Rodeo, New Mexico. USAF? C-54 pilot		1		
		saw a green flare [fireball?] pass his plane at 9,000 ft		1		
		moving vertically [up?]. [Meteor?] (Sparks; BB NARA				
		Microfilm Roll 85, p. 504; Maxwell Roll 1, p. 904;				
		Project 1947; Saunders/FUFOR Index)				
442.	896	Feb. 21 [26?], 1951. Durban, South Africa (29°53' S, 31°	1 min	5+		
		0' E). 4:55 a.m. 3 men in a truck and several other	1 111111	•		
		persons, none named, saw a dark red, torpedo-shaped				
		object with darker center, fly straight and level. (Sparks;				
		Berliner; Saunders/FUFOR Index)				
443.	897	Feb. 26 [25?], 1951. Ladd AFB, Alaska. 7:10 a.m. USAF	1-1.5	1		
115.	071	Sgt. J. B. Sells saw a dull grey, metallic object, about 120	mins	1		
		ft long 10-12 ft thick, hover, puff smoke and speed away.	1111113			
		(Sparks; Berliner)				
444.		March 9, 1951. About 20 miles SE of Tsushima Island,				radar
 .		Japan (at 34° 5' N, 129°31' E). 2:25 p.m. Radar tracking				rauai
		of unidentified target at 3,350 mph. (Sparks; Jan Aldrich)				
	I	of undentified target at 3,330 mpn. (Sparks, Jan Aldrich)				

		1	1		1	
445.		March 10, 1951. Chinnampo, Korea. 9:51 a.m. Crews of	1 sec	9		
		USAF B-29 bombers, including scanners and tail gunner,				
		saw a large red-yellow glow burst and become blue-white.				
		(Sparks; Berliner)				
446.		March 12, 1951. Albuquerque, NM. Two witnesses saw a		2		
		shining white ball-shaped object descend rapidly to the				
		horizon. (Sparks; BB NARA Microfilm Roll 85, p. 505;				
		Maxwell Roll 1, p. 905)				
447.	907	March 13, 1951. McClellan AFB, Sacramento, Calif.	2 mins	2		
		(38.74° N, 121.35° W). 3:20 p.m. USAF 1st Lt. B. J.				
		Hastie and Mrs. Rafferty saw a cylinder with twin tails,				
		200 ft long and 90 ft wide, turn N at incredible speed.				
		(Sparks; Berliner)				
448.	908	March 15, 1951. New Delhi, India (28°37' N, 77°13' E).	7 mins	25		
		10:20 (9:50?) a.m. 25 members of a flying club, including				
		the chief aerial engineer (Floats?) and his two assistants				
		saw a metallic cigar-shaped object with white exhaust				
		which turned black when it accelerated to about 1,000 mph				
		and made a large loop. (Sparks; Berliner;				
		Saunders/FUFOR Index)				
449.		March 24, 1951. Holloman AFB, Alamogordo, New	5 mins ?		1/4	photo by
117.		Mexico. 5:55-6:00 a.m. (MST). Project TWINKLE	2 111110 .		(0.1385°	observer
		personnel photographed with a Leica 3c 50 mm camera an			major	network
		unidentified elliptical object with major axis 8.31 arcmins			axis)	not work
		minor axis 6.343 arcmins (0.1385° and 0.1057°). (Sparks)			unis)	
450.		April 1, 1951. Los Alamos, NM. Los Alamos Lab		1		
150.		employee saw bright oblong object moving slowly				
		horizontally and vertically. (Sparks; BB NARA				
		Microfilm Roll 85, p. 505; Maxwell Roll 1, p. 905)				
451.		April 14, 1951. Yellow Sea (at 37° 9' N, 123°20' E). 1:22				radar
431.		p.m. Radar tracking of unidentified target at 3,755 mph.				radar
		(Sparks; Jan Aldrich)				
452.	925	June 1 [May 31?], 1951. Niagara Falls, New York. 4:20	30-40	3		
732.	723	a.m. [GMT?] M/Sgt H. E. Sweeney and 2 enlisted men	secs	5		
		saw a glowing yellow-orange, saucer-shaped object with	sees			
		arc-shaped wings, fly straight up. (Sparks; Berliner)				
453.		June 7, 1951. Los Alamos area?, NM. 11:10 a.m. Los		1		
433.		Alamos Lab employee sighted pointed cylinder with cloth-		1		
		like construction in vertical orientation fall into a canyon.				
		Search party unable to find traces. (Sparks; BB NARA				
151		Microfilm Roll 85, p. 505; Maxwell Roll 1, p. 905) June 8, 1951. Los Alamos, NM. Los Alamos Lab	2 0000	1		
454.			3 secs	1		
		employee sighted large reddish dot that turned bright				
		green. (Sparks; BB NARA Microfilm Roll 85, p. 505;				
455		Maxwell Roll 1, p. 905)		4+ 9		1 0
455.		July 1, 1951. Seoul, South Korea (37°30' N, 127° 0' E).		4+?		radar?
		10:50 [10:20?] p.m. USMC pilots flying 4 F4U-5N				
		fighters with 1st Marine Air Wing saw several bright				
		green spheres [fireballs?]. Ground radar confirmation [?].				
		(Sparks; Project 1947; Saunders/FUFOR Index)				

			1	1		
456.		July 9, 1951. Near Dearing (25 mi W of Augusta) (at 33°28"N, 82°25'W), Georgia. 1:40-1:50 p.m. (EST). 1st Lt. George H. Kinmon, Jr., 160th Tactical Recon Wing, Lawson AFB, Columbus, Ga., flying F-51 fighter at 250-270 mph at 8,000-8,500 ft on heading 247° saw high speed white oval disc about twice size of his plane [or about 75 ft] [or 10-15 ft?] in headon collision from the direction of the sun [sun at about 237° azimuth 72° elevation] suddenly dive underneath narrowly missing his plane. He turned to pursue but couldn't find object, then 15 secs later the object made another headon dive at him, repeated it several times, on last pass climbed upward out of sight. [Conflicting account to AFOSI states after first dive object continued to barrel-roll around the plane for 10 mins, then disappeared under the plane. Pilot states object was 300 to 400 feet from plane and appeared to be 10 - 15 ft diameter.] Object flat on top and bottom, white not aluminum. Front view with rounded edges slightly beveled, and small crater-like spots. Top view as it dived, object appeared round and spinning clockwise. From front view as object dived observer noted no vapor trails or exhaust or visible system of propulsion. Speed that of jet plane. Pilot felt turbulent wake "bump" when object passed under plane. Object left the plane a few miles S of Milledgeville, and 15-20 miles from Macon. (Sparks; Weinstein; NICAP Hall UFO Evid p. 20; Uninvited Guests pp. 328-330; AFOSI files) July 9, 1951. Corona, New Mexico. 10:30 p.m. USAF Sgt. Meadows, security guard at Corona Experimental Radar Site, saw red glowing ball about size of full moon to the W descending into the tree line for 30 secs and afterglow seen another 10 secs. [Crescent moon was setting in the W about 268°-272° azimuth about 10-10:30 p.m. depending on height of mountains and tree line to the	10 mins 40 secs	1	5? 25?	
		W. Probable IFO.] (Sparks; McDonald files; Jan				
		Aldrich; Saunders/FUFOR Index)				
458.		July 14, 1951. Holloman AFB, New Mexico. (Sparks; McDonald list; Saunders/FUFOR Index; UFO Evid I, pp. 77, 84)				film
459.	943	July 24, 1951. Portsmouth, New Hampshire. 7:10 p.m.? Hanscom AFB Operations Officer Capt. Cobb and Cpl. Fein saw a greyish 100-200 ft tubular object with many black spots, 5:1 length/width ratio, with fins at one end, fly 800-1,000 mph at 1,000-2,000 ft altitude, leaving a faint trail. (Sparks; Berliner)	20 secs	2	12 ?	
460.		July 30, 1951. Selfridge AFB, Mich. 5:14 a.m. (Sparks; McDonald list; Saunders/FUFOR Index)	18 mins			
461.		Aug. 8, 1951. NE of Port Clinton, Ohio. 2:10 p.m. USAF pilot Skelops (?) in flight and ground witnesses saw a 20 ft dark cigar-shaped object flying at high speed. (Sparks; Project 1947; Saunders/FUFOR Index)		3+?		
462.		Aug. 21, 1951. Sea of Japan (at 41°55' N, 133°52' E). 12:05 p.m. Radar tracking of unidentified target. (Sparks; Jan Aldrich)				radar

463. 955	Aug. 25, 1951. Albuquerque, New Mexico. 9:58 p.m. (MST). Sandia Base Security guard Hugh R. Young and wife saw a flying wing-shaped craft pass overhead at about 800-1,000 ft altitude and 300-400 mph heading about 160° to 170° True, with no sound. Size estimated at 1.5x wingspan of B-36 bomber, or 350 ft. Dark, chordwise stripes on underside, and 6-8 pairs of soft, glowing lights on trailing edge of "wing." (Maxwell BB Microfilm Roll 8 pp. 1324-58; Berliner; Ruppelt; Grudge Status Rpt 1)	30 secs	2	40	
464.	Aug. 26, 1951. Larson AFB, Wash. (at 47°12' N, 119°18' W). 8:28-8:36 a.m. USAF Capt. Ernest W. Rees, senior radar controller, and other operators of two radars at USAF AC&W 637th Sq, Detachment 1, search radar CPS-1 and height-finder CPS-4 tracked 948 mph unidentified target at 13,000 ft heading N on course 340° Magnetic [= 362° or 002° True approx.] headed into the radar site [evidently from the S]. Tracked 95 miles in 6 mins [=950 mph] evidently the total duration was 8 mins, the accurate time plotting following an initial 2 mins of surprise from 8:28-8:30 a.m. (probably about 30 miles covered in the 2 mins for a total of about 125 miles in 8 mins). Object transmitted IFF Mode 1 signal in rseponse to radar transponder interrogations from Larson AFB's TPX-22 interrogation set (possibly using KY-95 or KY-97 encrypted signal generator) which appeared to be emitted twice by an APX-6 transponder or something simulating it on the UFO, at about 115 miles range and again at about 80 miles range, consistent with 10 sweeps (9 intervals) of the 4 RPM CPS-1 radar or 933 mph (whereas 9 sweeps would be 1,050 mph and 11 sweeps 840 mph). Height-finder CPS-4 briefly detected UFO, which was determined to be at 13,000 ft. CPS-1 low beam tracked the object but not the high beam. The 2-1/2° to 25° high beam only covered down to about 30,000 ft at 80 miles range and thus could not have detected the target at the much lower altitude of 13,000 ft. Object apparently left radar low beam between about 50 and 35 miles from radar station and was lost. Attempted scramble of F-86 interceptor too late, no contact from 17,000 to 25,000 ft [but this was wrong altitude, too high]. BB/Grudge listed case as "possible" electronic interference from another radar — an impossibility since two different frequencies, and the target was confirmed by IFF Mode 1 transponder signal response. The CPS-1 search radar transmitted between 2700 and 2900 MHz and the CPS-4 height-finder radar at 3200 MHz. (Sparks; Maxwell BB Microfilm Roll 8 pp. 1382-9; McDonald	8 mins	2+		IFF transmissio n, multiple radars

465.		Aug. 27, 1951. Vandalia, Illinois. Approx. 8-8:30 p.m. Private pilot Raymond Williams was on the runway about to take off when he saw a large blinding orange light to the SW, radioed the CAA tower but light went out. After takeoff he saw the object again, noticing it was not an airplane, the light was at one end of the object and had a small red light on top, and it came directly at him, circled his plane twice, then headed to W to Greenville. Williams followed, saw object circle Greenville twice then return E towards Vandalia. Commercial pilot at 20,000 ft radioed he also saw the object. (Sparks; Maxwell BB Microfilm Roll 8 pp. 1396-1401; NARCAP; Saunders/FUFOR Index; Grudge Rpt 2)		2	
466.	962	Aug. 31, 1951. Near Matador, Texas (34.01° N, 100.79° W). 12:45 p.m. (CST). Mrs. Tom Tilson, daughter Mrs. Eugenia T. Bethard were driving N on Hwy U.S. 70 from White Flatt to Matador, all apparently of excellent reputations, saw to the W a pear-shaped object the length of a B-29 fuselage (100 ft) or the size of a Matador railway freight shed (48 ft), aluminum or silver-yellow reflecting brightly in sunlight with a port or some type of aperture on the side, move with smaller end forward, drifting slowly at about 150 ft altitude about 200 ft (Bethard said 375-450 ft) in front of their car, then shot up in a circular fashion and out of sight to the E after a few secs. (Sparks; Maxwell BB Microfilm Roll 8 pp. 1408-29; Berliner; McDonald files; Jan Aldrich; Grudge Rpt 2)	few secs +	2	
467.	964	Sept. 6, 1951. Claremont, Calif. (E of Hwy 66?). 7:20 p.m. (GMT?). S/Sgt W. T. Smith and M/Sgt L. L. Deuel (?) saw 6 orange lights in an irregular formation, fly straight and level into a coastal fog bank. (Sparks; Berliner; Saunders/FUFOR Index)	3-4 mins	2	
468.		Sept. 9, 1951. About 50 miles off coast of North Korea (at 39° 5' N, 128°40' E). 6:50 p.m. Radar tracking of multiple unidentified targets at 900 mph. (Sparks; Jan Aldrich)			radar

469.	Sept. 10, 1951. 3 miles NE of Asbury Park, New Jersey. 11:35-11:37 a.m. (EDT) USAF pilots Lt. Wilbert S. Rogers and Major Ezra S. Ballard flying in a T-33 at 20,000 ft from Dover AFB, Delaware, to Mitchel AFB, New York, on a NNE course at 450 mph saw a silvery metallic discus-shaped 30-50 ft object (or up to B-17 size ~100 ft) to their left at the 11 o'clock position below their altitude viewed against the Sandy Point area and silhouetted against the ground. Rogers turned gradually left and descended to intercept the object which then banked, revealing its flat round "discus" shaped profile, no appendages, no trail. UFO sped faster on the turn than the T-33, on the outside of the T-33's turn but accelerating ahead of it, covering an estimated 30-50 n.mi. in 2 minutes (about 1,000-1,500 mph), and seen projected against the ground near Red Bank and Freehold, New Jersey, as the T-33 descended to 17,000 ft, accelerated to 550 mph, covering about 120° of its 360° turn during the sighting. The object passed within about 8,000 ft distance of the T-33, descending from about 12,000 to 5,000 ft and headed at high speed out to sea near Pt. Pleasant at about 120° heading until disappearance. Radar sightings earlier in the morning at Ft. Monmouth Army Signal Corps Labs, ending about 11:18 a.m., were inconclusive. (Sparks)	2 mins	2	2/5 – 2/3	
470. 9	Sept. 13, 1951. Goose Bay, Labrador, Canada (53.33° N, 60.41° W). 9 and 9:15 p.m. (9:30?) (AST). 1932nd AACS Sq, Goose AFB, T/Sgt Warner B. Maupin, Cpl. John W. Green operators of GCA radar tracked 2 objects on a collision course, then one evaded to the right upon the request, by radio, of one of the radar operators (!). No aircraft were known to be in the area except the C-54 en route to landing at Goose AB which arrived during the second radar tracking (the 3rd object at 10:15). First target strong and steady radar return at 4,000 ft and 140 mph covering 7 miles in 3 mins. About 3 mins later 2nd target	3+ mins +?	2		radar
471.	observed with weak intermittent return above 5,000 ft level of GCA radar, 3rd target similar and with similar speed appeared after first 2 disappeared. No visuals despite efforts by radar crew, tower crew and C-54 crew. (Berliner; McDonald files; Jan Aldrich; NICAP; NARA BB-AFOSI Microfilm Roll 89, pp. 1202-6) Sept. 17 [16?], 1951. 3 miles NE of Marion, Ohio (40.58° N, 83.13° W). 12:17 p.m. Cessna pilot Grover saw a black swept-wing object at 2,800 ft in near collision with his aircraft. (Sparks; Project 1947; Saunders/FUFOR Index)		1		

472.	Sept. 17, 1951. Hudson Strait (at 61°30' N, 68°50' W) to	1 hr 35		RV, radar
	Baffin Island, Canada. 10:20-11:55 p.m. (EST). USAF B-	mins		jamming
	36 radar operator Major Paul E. Gerhart and navigator			
	Major Charles J. Cheever on a flight from Goose Bay,			
	Labrador, to Resolute, North West Territories, heading			
	NW at 208 knots (239 mph) over Hudson Strait, picked up			
	radar interference which came from an unidentified			
	aircraft at relative bearing 130° (E) at 28 n.mi. (32 miles)			
	heading away. Anti-jamming device on the APQ-24 radar			
	was turned on at 11:20 p.m. but did not affect the jamming			
	on the radar scope. At 11:35 jamming covered 120° of the			
	right side of the radar scope and then an unidentified			
	aircraft was seen visually on the right side of the B-36,			
	which was then at 18,000 ft at 65°40' N, 71°40' W (over			
	SW Baffin Island). Object had "unconventional running			
	lights" all white instead of red-green, with twin white			
	flashing tail lights, traveling about 30 knots faster than the			
	B-36, crossed the front from right to left heading 334° true			
	towards the NNW, and was in view about 20 mins [to a			
	distance of about 12 miles]. While the object was still			
	visible, at 11:50 p.m. the B-36 autopilot and APQ-24 radar			
	set went out, the latter returning after a few mins about			
	when the object disappeared. ECM operators S/Sgt.			
	Donald E. Jenkins and S/Sgt. Doty T. Larimore on 2 B-36			
	flights from Goose to Resolute while still over Labrador			
	the next day detected carrier wave signals at several			
	frequencies and some radar-like pulses at other			
	frequencies, all below 1,000 MHz. (Sparks; Jan Aldrich;			
	cf. Hynek UFO Exp ch. 7, case RV-11)			
473.	Sept. 18, 1951. ADC radar sites P-34 (Empire AFS,	1 hr +	multi	multiple
	Mich.), P-31 (Elkhorn AFS, Wisc.), P-69 (Finland AFS,		ple	radar
	Minn.) 4:35-5:31, 7:10 a.m. USAF CPS-6B and CPS-5			
	radar tracks of 6,000 mph (intermittent?) targets. (Sparks;			
	McDonald files; Jan Aldrich; Grudge Rpt 1;			
	Saunders/FUFOR Index)			

474.		Sept. 23, 1951. About 30 miles W of Long Beach Airport	1.5± hra	7+?	1/2 ?	D1//9
4/4.			1.5+ hrs	/ + !	1/2 !	RV?
		to Camp Pendleton, and March AFB, Calif. 7-9:25 a.m.				
		(PDT). 2 F-86 jet interceptors were scrambled from				
		George AFB, near Victorville, Calif., then vectored by air				
		defense GCI radar to [a target?] at 33°50' N, 118°40' W (off the coast about 30 miles W of Long Beach Airport),				
		where the jets circled and headed E toward Long Beach				
		when an object was seen at 12 o'clock high position at				
		7:55 a.m. in a left orbit at about 50,000 ft above the F-86's,				
		appearing to be a bright silvery aircraft with highly swept				
		back 45° wings. The F-86's tried to climb to intercept the				
		object but it climbed away in response. Another 2 F-86's				
		were scrambled from George AFB at about 8:00 as the				
		first 2 were running low on fuel and were released to				
		return at 8:10-15 when the 2nd flight arrived. The 2nd				
		pair of F-86's was vectored by GCI radar to 33°20' N,				
		117°30' W (Camp Pendleton), arrived there at 8:10 at 43,000 ft [and circled?], spotted the object at 1 o'clock				
		high back to the N toward Muroc/Edwards AFB appearing at about 50,000-55,000 ft in a controlled orbit right and				
		left, appearing as a swept wing aircraft that sped up when				
		the F-86's tried to close and the object was found near				
		March AFB, Riverside, to the NNW but they broke off				
		intercept because of low fuel at about 8:20-25, landing at				
		8:45. 3rd flight of 2 F-86's scrambled [at about 8:45??]				
		from George AFB [?] saw the object shortly after takeoff				
		seeming to be heading S as F-86's made climbing turns up				
		to 43,500 ft under the swept-wing object (per one pilot) or				
		round silvery object (per the other pilot) (at 55,000? ft				
		over the San Bernardino Mtns. ?) until breaking off				
		intercept at about 9:25 a.m. [A 7th F-86 was scrambled to				
		the S toward Long Beach but the UFO was gone.]				
		(Sparks; GRUDGE Rpts. 1 and 2; Ruppelt pp. 94-95)				
475.	980	Oct. 2, 1951. Columbus, Ohio (39.98° N, 82.99° W). 6	1 min	1	[2-10??]	Battelle
475.	700	p.m. Battelle Memorial Institute physicist Howard Cross	1 111111	1	[2 10]	physicist
		was in his car parked at Ohio State Univ. when he heard a				Howard
		loud noise from a DC-3 and looked in the sky to where it				Cross
		was coming from. He noticed what he first thought (as he				C1055
		escalated hypotheses) was a light flash like "sun reflecting				
		from mirror," then tried to explain it as a balloon, then a				
		parachute (but object was not falling). The object was in				
		the SE [?], above and to the W of the DC- 3, which was at				
		roughly 1,000 ft height heading E, size "somewhat				
		smaller" than the DC-3 fuselage, flying away from him in				
		straight and level flight at "high speed" to the W into the				
		wind (as checked with weather reporting), appearing as a				
		bright oval with a clipped tail [or a shield or half-moon				
		shape] with curved side always up as it traveled with the				
		flat face forward, changing to an orange color as it faded				
		into the distance. (Sparks; BB Maxwell Microfilm Roll 9				
		pp. 231-7; Berliner)				
	1	1 1 1	1		l	

477.	Oct. 3, 1951. N of Kadena AFB, Okinawa (radar at 26°24' 55" N, 127°47' 49" E elev. 750 ft). 10:27-10:30 p.m. (1327-1330Z). USAF 529th AC&W Group, GCI Station Site #51 "A" Radar operators Sgt. Melvin W. Watson, Pvt. Manuel M. Gonzales and Senior Radar Mechanic Sgt. James E. Biscanto radar tracked a large, sausage-shaped blip (apparent echo size 4 miles x 2 miles), enlarged possibly due to effects of the blip being a transponder signal from the UFO, logged as Air Defense Control Center (ADCC) Track No. 86, tracked at about 2,520 to 4,800 mph [varying from about 2,400 mph to 4,800 mph] from azimuth 14° (almost NNE) slant range 90 statute miles at 27°42' N, 128°10'E, to 340° azimuth (almost NNW) slant range 152 statute miles at 29°59' N, 127°25' E, [a distance of 60 miles on a heading of 331°] in 7 sweeps of the CPS-1 radar (15-sec sweep rate) high beam (transmitting at 2860 MHz, covering about 3-1/2° to 25° elevation). Watson missed detection on 6th sweep due to adjusting range setting. Then Gonzales tracked target, apparently at about 45,000-49,000 ft transition altitude from high to low radar beams, brighter than average echo and very large in size (3x the size of a B-29 echo, measuring apparent echo size 2-1/2 to 3 miles x 6-8 miles) in about 5-6 sweeps of the low beam (2700 MHz apparently covering 0° to 2-1/2° elevation) swerving to a due N heading disappearing suddenly in the middle of the 2nd pulse in the last sweep, without fading on any sweep, at azimuth 355° slant range 247 statute miles. Gonzales missed about 1-2 sweeps while adjusting range setting. CPS-1 PRF rate 350 pulses/sec, pulse duration 1 microsec, horizontal beam width 0.8° to half power. FEAF (Far East AF) and Philco radar experts believed UFO was amplifying radar echoes by transponder (non-encrypted non-IFF), but only on the CPS-1's frequencies of 2700 and 2860 MHz and not on the allocated beacon frequency of other nearby radars, types CPS-4, TPS-1B, and SCR-270DA, which did not detect the UFO. Radar site attempted to radio report of tracking	3 mins	3	radar; possible UFO transponder transmissio ns
	unidentified target at 420 mph. (Sparks; Jan Aldrich)			

478.	985	Oct. 9, 1951 5 miles E of Terre Haute, Indiana (39.48° N, 87.42° W). 1:42 [1:43?] p.m. (CST). CAA Chief Aircraft Communicator Roy Messmore at Holman Municipal Airport saw a flash on the distant SE horizon then a growing pinpoint of a rapidly approaching object appearing as a silvery "flattened tennis ball" when directly overhead disappearing to the NW [or SE??] after traveling from horizon to horizon in 15 secs, no sound or trail. Pilot Charles Warren at 5,000 ft flying W from Greencastle, Ind., to Paris, Ill., at location E of Paris (about 15 miles NW of Terre Haute) at 1:45 p.m. CST saw silvery "flattened orange" appearing stationary at first to the left rear (SE? or E? towards Holman Airport?) for a few secs (or longer?) then Warren banked in a tight left turn to pursue the object when it suddenly picked up speed and headed off NE towards the S of Newport, Ind. (Berliner; cf. Ruppelt pp. 112-3; Grudge Rpt 1)	15 secs + ?	3?	4+?	
479.		Oct. 10, 1951. 10 miles E of St. Croix Falls, Wisc. (at 45°24' N, 92°28' W). About 10:10 a.m. Private pilot Jack Donaghue and aero engineer Joseph J. Kaliszewski, Supv. of Balloon Manufacture, both with General Mills Aero Labs, were flying in a light plane at 6,000 ft heading 230° climbing toward a large balloon their team had launched, which was at about 20,000 ft and 6 miles to their SE, when they saw a strange object traveling E to W much higher than the balloon, about 1/4 apparent size of balloon [which itself was about 80 ft??] first at a slight dive, leveling off about 1 min, slowing down, then making sharp left turn and climbing at an ascent angle of 50°- 60° into the SE with a "terrific acceleration," having covered about 45° (or 40°-50°) of sky total. No vapor trail. See next day's sightings (below). (Sparks; Project 1947; Saunders/FUFOR Index)	2 mins	2	1/15 ?	aero engr
480.	989	Oct. 11, 1951. Few miles N of Minneapolis, Minn. (44.97° N, 93.27° W). About 6:30 and 8:30 a.m. General Mills Aeronautical Labs balloon researchers during Project GRAB BAG balloon launch, including aeronautical engineer Joseph J. Kaliszewski, aerologist Charles B. Moore, pilot Richard Reilly in the air heading E at 10,000 ft, and Douglas Smith and Richard Dorian on the ground at Univ. of Minnesota Airport (also Zuckert). Flight crew saw the first object, brightly glowing with a dark underside and halo around it appearing to be SE of UM Airport. Object arrived high and fast traveling E to W at about 5°/sec angular velocity (using fix point of windshield divider for stable reference), then slowed and made slow climbing circles "like falling oak leaf inverted" for about 2 mins, and finally sped away to the E with rapid acceleration. Reported by radio to and confirmed by ground observers Smith and Dorian at Univ. of Minn. Airport using a theodolite, of a cigar-shaped object seen only in brief glimpses due to high angular speed as it sped across the sky. Soon they saw 2nd object (about 8:30 a.m.), traveling W to E. See previous day's sightings (above). (Sparks; Berliner; Saunders/FUFOR Index; McDonald)	5 mins + few secs	6		theodolite C. B. Moore

481.	Oct. 16, 1951. W of Whidbey Island NAS [S of Port Angeles?], Wash. (at 47°45' N, 123°30' W). 11:01 a.m. USAF pilots flying 3 F-94 fighters and USN ground personnel saw a round medium-grey object at high speed and high altitude, no sound. (Sparks; Project 1947; Saunders/FUFOR Index)	50 mins	4+		
482.	Oct. 18, 1951. 140 miles from Tsingtao, China over Yellow Sea (at 35°48' 38°?48' N, 123°16' E). 3 a.m. [2:33 a.m.?] Gregory and other USN crew of PBM Mariner type BD-5 saw long orange-red conical flame change to white-orange. Airborne radar tracking [?]. (Sparks; Project 1947; Saunders/FUFOR Index)	16 mins			radar
483.	Oct. 21, 1951. 20 miles E of Battle Creek, Mich. (at 42°19' N, 84°55' W). 12:50 p.m. [10:25 a.m. CST?] Private pilot N. Manteris flying Navion aircraft (s/n N21424) at 4,000 ft saw a silver oval domed disc-shaped highly polished object closing at high speed on collision course at about 3,000 ft, pass underneath his plane, he turned 180° to pursue but it was gone. No trail or vents, upper surface had an indentation for a crown or dome. (Sparks; Project 1947; McDonald list; GRUDGE Rpt 1; NARCAP)	3-5 secs	1		
484.	Oct. 21, 1951. North Truro, Mass. 11:18-11:22 p.m. (EST) [1:30 and 9:30 p.m.?] (Sparks; McDonald files; Jan Aldrich; Saunders/FUFOR Index)	4 mins + 2 mins			
485.	Nov. 2, 1951. E of Abilene, Texas. 7:15 a.m. Crew of American Airlines DC-4 flying Los Angeles to Dallas, at 4,500 ft, saw a bright green projectile-shaped object, about same size as DC-4, streak past at about same altitude and same E heading. Object left trail then exploded, shooting red balls of fire in all directions. Green fireball sighted in Ariz., NM, Texas, Okla. Radiant about 3.5 hrs RA, 0° Dec (Taurid fireball? 3.5-4 hrs RA, +13° to +22° Dec.). (Sparks; LIFE Incident 10?; Saunders/ FUFOR Index?; Keyhoe 1955, pp. 92-93)		165+		
486.	Nov. 2, 1951. 30 (35?) miles N of Mojave, Calif. (35.06° N, 118.16° W). 11 p.m. Bromley and another forest observer in a canyon saw a 30 ft disk-shaped flying object in the SW, 10 ft thick, blue-green, well-defined, surrounded with a glow of same color. Stopping their jeep, they signaled to the object, which approached within 10 [?] ft, flew away, seemed to play with them, vanished "like a magician's trick." (Vallée Magonia 85; Saunders/FUFOR Index)		2	120 ?	
487.	Nov. 18, 1951. Washington, D.C. 3:20 a.m. Crew of Capital Airlines Flight 610 and Andrews AFB senior air traffic controller Tom Selby saw an object with several lights, follow the DC-4 for about 20 mins [miles?] then turn back, with ground radar tracking [?]. (Sparks; Berliner; Saunders/FUFOR Index)	20 mins	2+		RV?
488.	Nov. 24, 1951. Mankato, Minn. (44.16° N, 93.98° W). 3:53 p.m. One of 2 USAF pilots flying P-51 fighters flying W at 25,000 ft, 210 knots IAS, Capt. William Fairbrother, saw a white 8 ft flying-wing-shaped object hovering then pass 100 ft over and 100 ft to the left of his fighter, he immediately turned 180° to follow but could not find object. (Sparks; Project 1947; NARCAP; Saunders/FUFOR Index)	6 secs?	1	8	

489.		Nov. 24, 1951. Coopersville (etc.), Mich. 5:24 p.m. (CST). Capital Airlines Flight 94 pilot and several ground observer(s) saw a large round object flying at 500-1,000 ft height at about 1,000 mph. Possible meteor fireball.	5-6 secs	7		
		(Sparks; Grudge Status Rpt 2; Project 1947; Saunders/FUFOR Index)				
490.		Nov. 26, 1951. 25 miles E of Milwaukee, Wisc. (43.03° N, 87.93° W). 4:25 a.m. (CST). Capital Airlines DC-3 pilot Schroeder saw an orange ball of fire with blue tail flying on a level trajectory. (Sparks; Project 1947; Saunders/FUFOR Index)	0.2 min	1		
491.		Dec. 1951. NW of Peru, Nebraska. 3 a.m. Mr. Barry from Lincoln driving to Indiana saw a blue light in the NW, vanish to the SE. He missed a turn, went back toward Auburn, when NW of Peru he saw an orange glow in the sky from a cauldron-shaped object on the ground, about 40 ft from the road. He stopped to examine the 30 ft diameter cast-iron object, with a row of 10-inch round windows 1 ft from the top, glowing orange; on the other side a blue flamelike glow. No noise, no sign of life or activity, no antenna or protrusion. Witness drove away. (Sparks; Vallée Magonia 86; Saunders/FUFOR Index)		1	80	
492.	1021	Dec. 7, 1951. Oak Ridge, Tenn. (at 35°56' N, 84°25' W). 8:15 a.m. AESS guard J. H. Collins in Tower #14 W of K-25 Gaseous Diffusion Plant, ORNL, [at about 700-800 ft MSL] saw a 20 ft square object, white-grey but not shiny, like a piece of canvas with no markings, to the NNW about 300 ft above ridge anout 1 mile away [Blackoak Ridge, height about 1,000-1,100 ft MSL], fly vertically into the clouds at about 6,000 ft MSL and back again 300 ft above ridge, taking 30-40 seconds each time traveling at constant speed like that of conventional aircraft [roughly 100 mph at about 4,600 ft in 30-40 secs]. On second rise object climbed at 45° angle to the left and into the clouds then emerged out of the clouds diving straight down to 300 ft above ridge. Object circled slowly as it rose a third time at a 20° angle into the clouds again finally disappearing. Always kept broadside to witness. No sound or smoke. Report mistakenly treated as ground intrusion, thus GCI radar not alerted until 10:02 a.m., and F-47 fighters dispatched found nothing. (Sparks; BB Maxwell Microfilm Roll 9, pp. 640-4; Berliner; Saunders/FUFOR Index)	2 mins	1		
493.	1023	Dec. 7, 1951. Sunbury, Ohio. 4:30 p.m. Amateur astronomer Carl Loar saw a silvery sphere through telescope; 2 specks sighted at sides, object seemed to explode was then replaced by a dark cloud and many specks. (Sparks; Berliner)	30 mins	1		telescope

495. 1011 Dec. 18, 1951. Andrews AFB, Washington, D.C. Civilian pilot. [Nov. 18, 1951, case??] (Sparks; NARA) 1? 496. Dec. 22, 1951. Near Reynoldsburg (near Port Columbus), 1 to 1- 1 1 to 1- 1	
Ohio. 10:30 a.m. (EST). USAF F-84C pilot Capt Walter J. Koby, 166th FI Sq, Lockbourne AFB, at 15,000 ft 225 knots (260 mph) heading W at 270° saw an aircraft like an F-84 but without a tail rotating on its longitudinal axis and flashing in the sun at a rate of about once every 5 sees, 10+ rolls in 1 min. Object was at 2 o'clock position high, to the WNW on a reciprocal heading about 100° (about ESE) at estimated speed 300+ mph over initial spot 5 mi E of Columbus at 82°50' W, 39°59' N near Port Columbus, at about 20,000+ to 25,000 ft [distance about 5-6 miles] if the size of an F-84. Koby turned to intercept object but lost it in sun's glare (in the SE) still "rolling" or "tumbling." Koby conducted a search but could not find object. Kaby had radioed his squadron but none of their aircraft were in his area. Weather balloon launched at 10:00 a.m. from Columbus Airport evidently burst at about 9,000 ft at about 10:09 a.m. and would have been on the ground for about 20 mins when sighting occurred. (Sparks; BB files; McDonald list; GRUDGE Rpt 3; Project 1947; Saunders/FUFOR Index)	
497. 1013 Dec. 24, 1951. Mankato, Minn. Military witness(es). [Nov. 24, 1951, case??] (Sparks; NARA)	

400	In 1052 Wester Wasser 10.20 20 11		1		
498.	Jan. 1952. Weston, Wyoming. 10:30 p.m. 38-year-old		1		
	rancher saw a "shooting star" suddenly stop in mid-air				
	between him and a mountain, spinning clockwise, with				
	one red window periodically facing the observer, went				
	down toward the Little Powder River, come up again. He				
	turned his car to send light signals, object seemed to				
	respond by stopping its red window to face witness.				
	Spinning resumed, object rose and came down. Similar				
	object arrived, then both went into the deep valley out of				
	sight. (Sparks; Vallée Magonia 88)				
499.	Jan. 20, 1952. Fairchild AFB, near Spokane, Wash (at	15 secs	2 [3?]		
	47.62° N, 117.67° W). 7:20 p.m. 2 M/Sgts. in				
	Intelligence saw a large bluish-white spherical object with				
	long blue tail in the E about 2 miles away traveling N on a				
	horizontal path below and seen against solid overcast				
	cloud cover at 4,700 ft, speed later estimated at 1,400 mph,				
	no sound, disappearing in the W. (Sparks; Ruppelt pp.				
	12-3; Saunders/FUFOR Index)				
500.	Jan. 21, 1952. 3 miles ESE of Mitchel AFB runway 30,	2-1/2	1	1/3 to 1	
	New York (40.73° N, 73.59° W). 9:50 a.m. (EST). USN	mins			
	pilot Lt. James R. Zeitvogel, USN Special Devices Center,				
	Long Island, flew USN TBM-3W bomber heading 45°				
	(NE) at 160 knots (200 mph) at 6,000 ft shortly after				
	takeoff from Mitchel AFB, sighted a 20-30 ft white				
	circular domed or parachute-shaped, with parachute-like				
	segmentation and dark underside, about 1/3 ratio thickness				
	to diameter, which appeared to be about 1-1/2 miles to the				
	WNW or half way between TBM and end of runway 30 at				
	Mitchel AFB, silhouetted against the ground at a				
	depression angle of about 45° at a very low altitude of				
	200-300 ft (consistent with ground range of 1-1/2 miles				
	from TBM at 6,000 ft height). Pilot then chased object				
	which was at first traveling about 300 knots (350 mph), by				
	turning left in the TBM in a sharp 2-3 g turn, having to				
	bank at almost 90° to see the low altitude object about 1-				
	1/2 mins into sighting when TBM about completed 360°				
	turn, object cutting on inside of TBM's turn apparently				
	accelerating. Object at about 2 mins into sighting started				
	climbing in altitude while still accelerating, disappearing				
	suddenly not due to distance about 7 miles to the SW at				
	500+ knots (600+ mph) and about 10° above TBM's				
	horizontal level. (Sparks; GRUDGE Rpts. No. 3, p. 8,				
	No. 4, pp. 9-11ff.; Project 1947; NICAP)				
	110. 7, pp. 3-1111., 110juit 1347, NICAI j		L		l

501.	Jan. 22, 1952. S of Nenana, Alaska (64°35' N. 149°05'	1 hr 45	4+	ground and
501.	Jan. 22, 1952. S of Nenana, Alaska (64°35' N, 149°05' W). 12:18-2:03 a.m. (AHST). USAF Lt. Arthur L. Boyd, Jr., and 2nd Lt. John G. Frost, CPS-6B radar operators at ADC radar site F-2 Murphy Dome AFS (at 64°57'07" N, 148°21'24.5" W, elev. 2,900 ft, about 19 miles WNW of Fairbanks, Alaska), tracked an outbound target at 210° (True) [209°] azimuth at 62°22'N, 151°25'W [about 202 mi range] traveling at about 1,500 to 2,400 mph, and after 10-12 radar sweeps 12 secs each [actually after 7 mins or ~35 sweeps], urgently called twice (at 12:25 and 12:26 a.m.) for interception, and a USAF F-94A jet, pilot Lt. Clyde E. Garrett and radar observer Capt. Verl D. Ramey, call sign "Concrete Red," was scrambled from 449th Fighter Interceptor Sq, Ladd AFB, airborne at 12:33, and directed by Murphy Dome radar site GCI to head towards Nenana (Point J or Jig) at 215° Mag [~240°-245° True	1 hr 45 mins	4+	ground and airborne radars
	depending on exact location]. Unidentified target reversed direction to inbound at about same azimuth at maximum range reached at 12:20 a.m. [at ~61°56'N, ~151°57'W, range ~237 mi, azimuth 210°] at high speed [average velocity 12:18 to 12:25, about 205-210 mi in 7 mins = 1757 to 1800 mph], reversing direction multiple times, reaching minimum azimuth 207° azimuth at 12:45 a.m., till disappearing at 12:47 a.m. at 212° azimuth at 63°25'N, 150° [24'] W [~123 mi range].			
	There were two intervening periods of target disappearance from 12:25 to 12:32 then from 12:35 to 12:40 a.m. [when the target possibly moved at 1500+ mph to S of Nenana closer to the F-94], with target reappearing each time within a few miles of the disappearance points. Possible confirmation by Fire Island CPS-6B radar site F-1 (at 61°08.5' N, 150°13' W, elev. 300 ft).			
	At about 12:37-12:39/41 a.m., a separate and more local unidentified target was tracked by Murphy Dome which vectored the F-94 along F-94 heading of about 255° to 260° [this was possibly the distant target during its seeming disappearance from about 30 mi NE of Mt McKinley, which may have moved at 1500+ mph to the S of Nenana then back again to 30 mi NE of McKinley]. At about 12:41 the F-94 was vectored to a 2nd local target by Murphy Dome. F-94 turned S and then onto a heading of 150° (about SSE) to attempt to intercept until about 12:45 when target was lost and also F-94 itself was lost from Murphy Dome radar.			
	At 12:52 to 12:53 a.m., unidentified target was tracked inbound heading N [NNE] towards Murphy Dome radar from 210° [±5°] azimuth at 45 miles range for about 1 min [48 secs], shortly confirmed by F-94's APG-33 airborne fire-control radar as F-94 flew on heading of about 18° (about NNE), including one brief lockon. On a counterclockwise sweep, the UFO target reversed course with 180° turn over an 8-mile radius [actually diameter chord of circle] of turn [roughly 11 to 17 g's] and headed outbound at 1,500+ mph heading 210° [±5°] and away from radar site. [Diameter chord of 8 mi hence with circle arc of ≈25 mi in two radar sweeps of 24 secs would mean target speed ≈1900 mph, better fits UFU larget speeds, whereas quarter-circle chord of 8 mi with circular arc of			

 \approx 18 mi would mean a speed \approx 2700 mph.]

502		I 20 1052 20 I GW - GW - G 11	<i>5</i> •	2	1 /2	I
502.		Jan. 29, 1952. 30 miles SW of Wonsan, South Korea. 11	5 mins	3	1/2	
		p.m. USAF crew of B-29 flying at above 20,000 ft and	[1 min?]			
		148 knots (170 mph) ground speed saw an orange				
		luminous rotating and pulsating 3 ft sphere [or disc?], with				
		blue flame halo, follow the B-29 at a distance of about 600				
		ft at the 8 o'clock position advancing forward to 9 o'clock				
		then falling back to 8 o'clock [at one point almost				
		withdrawing from view then returning?]. (Sparks; LIFE				
		Incident 9; Project 1947; Loren Gross)				
503.		Jan. 29-30, 1952. Sunchon, South Korea. 11:24 p.m.	1 min	2+		
		USAF crew of B-29 at 20,000 ft and 125 knots (144 mph)	[5 mins]			
		ground speed saw an orange sphere follow the B-29 at				
		their level or slightly below [sun-like in brightness and				
		600 ft away?]. (Sparks; LIFE Incident 9; Project 1947;				
		Loren Gross)				
504.		Feb. 1, 1952. 10 miles W of Terre Haute, Indiana. 9:30		1		
		p.m. Military aircraft pilot saw a close group of moving				
		lights changing color from blue to green to yellow.				
		(Sparks; Project 1947; BB files??)				
505.		Feb. 2, 1952. About 40 miles E of Pusan, South Korea (at				radar
		35° 0' N, 129°40' E). 10:30 and 10:40 a.m. Radar track of				
		767 mph unidentified target. 2nd track from position				
		35°30' N, 129°40' E, at 10:40 of 1,257 mph unidentified				
		target. (Sparks; Jan Aldrich)				
506.		Feb. 2, 1952. E of South Korea (at 37°44' N, 130°30' E).	10 mins	4+		RV
		7:35 p.m. USS Philippine Sea heading S 180° at 13 knots	?			
		(15 mph) tracked approaching radar target from the N 0°				
		azimuth at 25 miles, veered off in a wide left turn to the E				
		radius about 12 miles (when visual observers spotted				
		exhaust trails), reversing course on radar away from the				
		aircraft carrier accelerating from 600 mph to 1800 mph at				
		52,000 ft altitude, split into 2 targets 5-12 miles apart on a				
		slightly zigzag wavy course headed due N 0° to				
		disappearance at about 110 miles. Visual observers				
		sighted 3 exhaust flames at 30° azimuth [?]. (Sparks;				
		Hynek UFO Rpt pp. 126-8)				
507.	1052	Feb. 11, 1952. Pittsburgh, Penna. (40.44° N, 79.97° W).	1 min	2		
		3 a.m. USAF Capt. G. P. Arns and Maj. R. J. Gedson				
		flying a Beech AT-11 trainer saw a yellow-orange comet-				
		shaped object pulsing flame for 1-2 secs in straight and				
		level flight. (Sparks; Berliner)				
508.		Feb. 12, 1952. Bet. Friendship Airfield and Baltimore,	2+ mins	2		
		Maryland. 9:30 p.m. USAF MATS C-47 pilot and copilot				
		saw a bright white object move slowly then speed away.				
		Then at 10 p.m. they saw 10 miles S of Baltimore a similar				
		object. (Sparks; GRUDGE/BB Rpt; Saunders/FUFOR				
		Index)				
509.		Feb. 13, 1952. Granite City, Illinois (38.73° N, 90.14°				radar
		W). 10:30 p.m. Radar. (Sparks; McDonald list; BB Rpt				
		6)			1	

510.		Feb. 16, 1952. About 60 miles E of Pusan, South Korea			radar
510.		(at 35° N, 130° E). 2:40 and 3:50 p.m. USMC GCI Sq 3			iudui
		at Yongil (36° N, 129° E) CPS-5 radar tracking of			
		unidentified target traveling at 4,320 knots (5,000 mph).			
		2nd track at 3:50 at position 36°30' N, 129°30' E (a few			
		miles off the coast of South Korea) of large target			
		equivalent of 6-8 jet aircraft, traveling 1,380 knots (1,600			
		mph) target heading 170°, faded momentarily, then			
		continued on 120° heading until lost. Visual sighting of			
		contrail in direction of radar track. (Sparks; Jan Aldrich;			
		McDonald files; Saunders/FUFOR Index)			
511.		Feb. 17, 1952. 25 miles SE of Roswell, New Mexico (at			
		33°15' N, 104°10' W). 1:45 a.m. (MST). USAF crew of			
		B-29 bomber saw 3 ft [?] greenish-blue ball of fire flying			
		straight at 15,000 ft. (Sparks; Project 1947)			
512.		Feb. 20, 1952. Mt. Diablo, Calif. 11:30 p.m. USAF pilot		2	
		Montgomery and copilot of B-25 bomber saw bright			
		yellow light on collision course climb and accelerate.			
		(Sparks; Project 1947; Saunders/FUFOR Index)			
513.	1061	Feb. 23 [24?], 1952. Sinuiju [Antung?], North Korea (40°	45 secs	1?	[radar?]
		4' N, 124° 25' E). 10:15 [11:15?] p.m. USAF 345th			
		Bomber Sq Captain/B-29 navigator saw a bluish cylinder,			
		3x long as wide, with a tail and rapid pulsations, come in			
		high and fast, make several turns and level out under B-29			
		which was evading mild antiaircraft fire. (Sparks;			
		Berliner; Saunders/FUFOR Index)			
514.		Feb. 27, 1952. Ft. Stockton, Texas. B-29 and radar.			radar
		(Sparks; McDonald list; BB Rpt 5)			
515.		March 4, 1952. 15 miles W of Ashiya AFB, Japan (at	< 2 mins		
		33°53′ N, 130°40′ E). 10:35 a.m. USAF C-54 crew with	?		
		53rd Troop Carrier Sq saw a bright orange oval object at			
		10,000 ft. (Sparks; Project 1947; Saunders/FUFOR			
		Index			
516.	1	March 7, 1952. Bet. Claremore and Tulsa, Okla. 1 a.m.		1	
		USAF copilot of C-54 transport saw a bright light pass			
		from right to left, lose altitude and blink out 3 times.			
		(Sparks; Project 1947; Saunders/FUFOR Index)			
517.	1	March 15, 1952. Sandia Mtns. [Kirtland AFB?], New	5 mins	1	
		Mexico. 4:30 p.m. (MST). USAF 1st Lt. sighted a dull	[15 mins]		
		aluminum metal, flat, oval-shaped object the size of a B-			
		29 fuselage in horizontal flight at 10,000 feet [altitude? or			
		height above ground?] at 330° azimuth from [observer's			
		location?] at 35°03' N, 106°37' W (Kirtland AFB), would			
		stop with a vertical motion or "maneuver," then continue			
		in level flight at about 150-200 mph. (Sparks; McDonald			
	<u> </u>	list; BB Rpt 7)			

518.	1074	March 20, 1952. Centerville (Queen Anne's County),	30 secs	2	1/3 ??	CIA
510.	10/4	Maryland. 10:42 p.m. CIA clandestine employee [OPC?]	30 SECS		1/3 !!	CIA
		who was WW1/WW2 Army veteran and pilot with				
		extensive flight experience, A. D. Hutchinson, and son				
		(Hutchinson Jr.), saw a dull orange-yellow saucer-shaped				
		light, lighting looking like that of old-fashion light-bulb				
		and about 2-3x size of aircraft wing light [or about 4-6				
		ft?], fly straight and level very fast from SW to SE about				
		half way between horizon and zenith [or roughly 30° to				
		45° elevation], possibly about 5 miles away [better				
		estimate about 1 mile], then made 2 sudden vertical jumps				
		on order of 2° upwards each jump, jumps being like a				
		"basketball bounce," before disappearing behind trees. No				
		sound. (Sparks; BB Maxwell Roll 9, pp. 1097 to 1100;				
		Berliner; Randle)				
519.	1076	March 23 [22?], 1952. 20 miles S of Yakima, Wash. 6:56	45 secs x	3+?		RV ground
319.	1070	and 7 [6:05? 6:33?] p.m. USAF pilot and radar operator of	2	311		and air
		F-94 jet interceptor made 2 sightings of a stationary red	2			radars
		fireball that increased in brightness then faded over 45				radars
		secs. Note: Project Blue Book Status Report #7 (May 31,				
		1952) says target was also tracked by ground radar at 78				
		knots (90 mph) at 22,500 ft and 25,000 ft altitude.				
		(Sparks; Berliner)				
520.	1077	March 24, 1952. 60 miles W of Pt. Conception, Calif.	20-30	2		radar
		8:45 a.m. [p.m.?] B-29 navigator and radar operator	secs	_		
		Hancock tracked unidemtified target on airborne radar at				
		about 3,000 mph. (Sparks; Berliner; Shough; Randle)				
521.	1082	March 29, 1952. 20 miles N of Misawa AFB, Japan	10 secs	1?		
		(40°42' N, 141°23' E). 11:20 a.m. Lt. David C. Brigham,				
		pilot of AT-6 trainer, saw a small, very thin, shiny metallic				
		disc fly alongside the AT-6, then make a pass at an F-84				
		jet fighter, flip on edge, flutter 20 ft from the F-84's				
		fuselage and flip in the slipstream. (Sparks; Berliner;				
		Saunders/FUFOR Index)				
522.		March 29, 1952. Elizabethville, Belgian Congo. Two		many		
		fiery discs were seen over uranium mines gliding in				
		curves, changing orientation many times thus appearing as				
		plates, ovals and lines. Discs suddenly hovered then took				
		off in a zigzag to the NE. Commander Pierre of				
		Elizabethville airfield took off in a fighter aircraft in				
		pursuit and came within 120 meters (400 ft) of one disc.				
		(Sparks; McDonald files; Jan Aldrich)				

522		M1-20 [A:1-249] 1052 Cl D: M 1 1	2	1	10.20.0	EM
523.		March 29 [April 24?], 1952. Glen Burnie, Maryland.	3 mins +	4	10-20 ?	EM
		10:45 p.m. Donald F. Stewart [Steward?] and George				
		Tyler III saw 50 ft flat silver disc with cupola/dome to one				
		side, a porthole and hatch on the dome, neon-like lighting				
		around the edges [strangely pulsating?], approaching car				
		from ahead to the NE about 60° elevation, then hovered				
		and "wavered slightly" for 3 [2?] mins several hundred				
		feet off the ground, whirring sound like a vacuum cleaner,				
		car engine died while object hovered. Witness got out of				
		car with Thompson submachine gun considering whether				
		to shoot the disc, companion urged him not to. Object				
		suddenly turned up on edge seeming to "roll across the				
		sky" faster than a jet to the SW disappearing about 3-1/2				
		miles away. Witness claimed car wires "magnetized" and				
		paint cracked. Secy. AF Finletter interest, AFOSI				
		investigation. Hoax? (Hynek UFO Rpt pp. 196-8; Jan				
		Aldrich; Saunders/FUFOR Index; Loren Gross Jan-May				
524.		52 p. 75) April 3, 1952. Marana, Ariz. 8:15 [8:23-9:15? MST] a.m.	52 mins	7 [4?]		
324.		Pilot of T-6 aircraft and 6 pilots on ground saw a bright	32 1111115	/ [4:]		
		aluminum shiny oblong object above 54,000 ft. (Sparks;				
		Project 1947; Saunders/FUFOR Index)				
525.	1095	April 4, 1952. Duncanville, Texas (32°38.8' N, 96°54.3'	5+ mins	2		radar;
323.	1075	W). 8:30 p.m. (CST) USAF Cpl. Billy D. Greer and PFC	3 · mms	_		radar maint
		John W. Harrington of the Radar Maintenance Section,				personnel
		147th AC&W Sq, tracked unidentified target by FPS-10				personner
		radar first to the NW at 310°-315° azimuth at about 70				
		nautical miles (80 miles) moving at high speed of about				
		2,160 knots (2,500 mph) until it disappeared off scope at				
		maximum range of 260 n.mi. (300 miles). Height-finder				
		reading not taken, estimated at 42,000+ ft due to radar				
		beam coverage at max range. (Sparks; BB Maxwell				
		Microfilm Roll 9, pp. 1288-9; BB Rpt 71 Jan Aldrich;				
		Saunders/FUFOR Index)				
526.	1096?	April 5, 1952. Phoenix [Glendale?], Ariz. (33.45° N,		4		
		112.05° W). 10:40 a.m. Mr. and Mrs. L. G. Ryan, R. L.				
		Stokes, and D. Schook saw a large, dull grey circular				
		object, followed by 2 more, fly straight and level at high				
		speed. (Sparks; Berliner)		<u></u>		
527.	1097	April 5, 1952. Miami, Florida (25.78° N, 80.21° W). 9:15		2	1/2	
		p.m. L. E. VanDercar and 9 year old son saw 4 dark			(crossed	
		circular objects with mostly fuzzy edges, cross the face of			face of	
		the Moon [in the S at 175° azimuth 77° elevation, 83%			moon)	
		illuminated or almost full], each 1/2 the angular size of				
		Moon [one with a sharp leading edge and more plainly				
		seen?]. (Sparks; Berliner; Randle)				

528.	1099	April 6, 1952. Temple (Draughan-Miller AFB), Texas (at 31°09'N, 97°24'30"W). 2:59 p.m. Herman L. Russell saw 50-75 greyish-white metallic disc-like shapes to the NNW about 30° – 40° elevation in random arrangement within a circular formation covering area of only 1 Full Moon [hence each object probably <3 arcmins would have been too small to resolve disc-like details]. Objects would flash in unison every 12-15 secs for a period of 2 secs as if tilting on horizontal axis. After 2 mins cluster became less dense in the center and more dense at the outer rim. Formation estimated at distance of 15-25 miles [hence height about 50,000 ft] moved upwards in elevation by about 5° and laterally by 10° to 15° (direction not specified) until disappearing by fading into distance. [Possible shattered plastic fragments of Skyhook balloon fluttering in the sunlight.] (Sparks; BB Maxwell Microfilm Roll 9, pp. 1303-4; Berliner)	3.5 mins	1	1 (whole formatio n)	
529.		April 9, 1952. Bet. Shreveport and Barksdale AFB, Louisiana. 2:30 p.m. (CST). USAF C-46 crew [pilot and copilot] flying E at 90° heading at 9,000 ft saw a 30-40 ft cream color disc-shaped object ahead of the plane at about 4,000 ft, object reversed course heading E [but was overtaken by C-46 and passed under it ??], C-46 and object both [?] made 360° turns, object climbing into clouds at 12,000 ft at 200-400 mph. Similar sighting at 2:45 p.m. by another C-46 5-6 miles N of Barksdale AFB of an object disappearing on a N heading at 11,000 ft. (Sparks; BB Status Rpt 6; cf. NARCAP)		2?	1/2 ?	
530.		April 9-10, 1952. 6 miles W of Pecos [near Lackland AFB? 29.39° N, 98.61° W], Texas. 10:40 p.m. (CST). Bethune. (Sparks; Hynek UFO Rpt p. 43; Saunders/FUFOR Index)	5 mins (+ ?)			
531.	1108	April 12, 1952. North Bay CFS, Ontario, Canada (46.30° N, 79.46° W). 9:30 [11:30?] p.m. RCAF Warrant Officer E. H. Rossell, Flight Sgt. R. McRae saw a round amber object fly in from the S at 2x speed of F-86 at low level, stop, reverse direction, climb away at 30° angle. (Sparks; Berliner; Randle)	2 mins	2		
532.	1109	April 13, 1952. Moriarty AFS, New Mexico (35° 1'50" N, 105°49' 0" W, 6,700 ft MSL). 4:45 p.m. (MST). 4 USAF airmen of the 768th AC&W Sq ADC radar station, Staff Sgt. John R. O'Neal, A/1c David C. Miller, A/2c Earl O. Cormier, Airman Basic Charles E. Baker, saw silver disc-shaped (or egg-shaped) object to the E estimated altitude 40,000+ ft traveling very erratically at high speed, disappeared making a turn to the N due to its flatness in profile, then reappeared further N, then disappeared again in vertical dive, reappeared further S, and finally disappeared heading S. No trail, exhaust or sound. [Possible CPS-5D radar tracking denied but uncertain?] (Sparks; BB Maxwell Microfilm Roll 9, pp. 1368-1405; McDonald files; Jan Aldrich; BB Rpt 6; Saunders/FUFOR Index)	3-5 mins	4?		
533.	1113	April 14, 1952. La Crosse, Wisc. 12:35 p.m. Unidentified CAL (Central Air Lines) pilot saw several light colored objects fly in V-formation [and change position?]. No further details in files. (Sparks; Berliner; Randle)				

					1	1
534.	1112	April 14, 1952. Memphis, Tenn. (35.14° N, 90.03° W). 6:34 p.m. U.S. Navy pilots Lt. jg. Blacky, Lt. jg. O'Neil flying on 18° (about NNE) heading at 2,000 ft over NAS Range Station saw to their left an inverted bowl glowing bright red, 3 ft long and 1 ft high, with vertical slots, approaching at high speed on 300° heading, straight and level at 2,000 ft, passing 300 ft from their aircraft and below overcast at 4,200 ft. [Red glowing exhaust trail?] (Sparks; Berliner; McDonald files; Jan Aldrich; cf.	45-60 secs	2	1	
535.	1115	NARCAP; Randle) April 15, 1952. Santa Cruz, Calif. (36.97° N, 122.04° W). 7:40 p.m. Mr. Hayes [Hays?], brother of Master Sgt., saw 2 faint circular objects flying fast along the horizon through 20x spotting telescope. (Sparks; Berliner; Randle)	6-8 secs	1		telescope
536.		April 16, 1952. Shreveport, Louisiana (32.50° N, 93.76° W). 9:28 p.m. (CST). Senior USAF pilot Capt. Eugene R. Mathis, and Jack Touchstone, saw a brilliant circular object flying overhead at high speed on a heading of 100°. Object suddenly made a 180° turn, and passed over the entire city of Shreveport. Object appeared flat, no sound, no exhaust. (Sparks; NICAP website; Willy Smith pp. 25-29; Saunders/FUFOR Index)	70 secs	2		
537.	1124	April 17 [13?], 1952. Longmeadow, Mass. 8:30 p.m. S. B. Brooks and chemical engineer J. A. Eaton saw a round, deep orange object fly fast and erratic, occasionally emitting a shaft of light to the rear. [Star color and shape??] (Sparks; Berliner; cf. Randle)	40 mins	2		
538.	1127	April 17 [18?], 1952. Yuma Test Station, Ariz. 3:05 p.m. (MST). Group of Army weather observation students, including several graduate engineers saw a flat-white, circular object flew with an irregular trajectory and a brief trail. (Sparks; Berliner)	7 secs [5-10 secs]	sever al [2?]		
539.	1128	April 18, 1952. Bethesda, Maryland (38.99° N, 77.09° W). 11:30 [1:30?] a.m. (EST). R. Poerstal [Parstel?], Mrage, Watkins and another man [Young?] saw 7-9 circular, orange-yellow lights in a 40° V-formation fly overhead silently from S to N in straight and level flight. (Sparks; Berliner; Saunders/FUFOR Index; Randle)	4-8 secs	4		
540.	1129	April 18, 1952. Corner Brook, Newfoundland, Canada (48.95° N, 57.96° W). 4 [3:30?] a.m. Janitor C. Hamilton saw a yellow-gold object make a sharp turn, leaving a short, dark trail. (Sparks; Berliner; Saunders/FUFOR Index)	1 min	1		
541.	1131	April 18, 1952. Corner Brook, Newfoundland, Canada (48.95° N, 57.96° W). 10:10 [9:40?] p.m. Reporter Chic Shave saw a round, yellow-gold object fly S [disappearing?] then return. Reporter had published article debunking subject of UFO's the day before. (Berliner; Saunders/FUFOR Index; Randle)	1.5 mins	1		
542.	1130	April 18, 1952. 50 miles NW of Kyushu, Japan (at 34°19' N, 129°51' E [34°30' N ?, 129°30'E ?]). 12:07 p.m. [9:07 p.m.?] A radar operator tracked unidentified target at 2,700 [2,100?] mph. (Sparks; Berliner; Saunders/FUFOR Index)	1 min	1		radar

_		T	1 -	1		
543.		April 20, 1952. [Flint, Mich.? 43.00° N, 83.70° W?]	25 mins	sever		
		9:15-9:40 p.m. (EST?) Naval aviation student [Kohut?	[80	al		
		Choot?], wife and several others at a drive-in movie saw	mins?]			
		about 20 groups of 2-9 aircraft-shaped objects fly over				
		enveloped in a red glow, mostly on straight-line course,				
		except for occasional standard aircraft-like turns. (Sparks;				
		Battelle Unknown No. 2; Saunders/FUFOR Index)				
544.		April 22, 1952. Condon, Oregon. 12:15 p.m. Housewife	2 mins	1		
		saw 3 fast-moving saucer-shaped objects moving E, to the				
		N of Condon, in formation with the largest in the lead and				
		"revolving" (rotating). Gray-brown on the underside and shiny metallic on all other sides. (Sparks; Loren Gross				
		\ 1				
545.	1144	UFO History; BB files; NICAP website/Rich Vitello)	10 mins	2.		
545.	1144	April 22, 1952. Naha AFB, Okinawa. 9 p.m. Crew of B-	10 mins	2+		
		29 bomber, on ground saw an elliptical object, about 2-3 ft				
		long [?], followed by 2 then another 2, each with a white light that blinked every 1-2 secs as they performed erratic				
		, , , , , , , , , , , , , , , , , , , ,				
546.	1147	maneuvers. (Sparks; Berliner; Randle) April 24, 1952. Bellevue Hill, Vermont (at 40°30'?? N,	3-4 mins	2+	+	
J40.	114/	72°15' ?? W [Atlantic]). 5 a.m. Crew of USAF C-124	3-4 mms [2+	Z 1		
		transport plane frrom Biggs AFB, Texas, saw 3 circular,	mins?]			
		bluish objects in loose "fingertip" formation, 2 flying	iiiiis; j			
		parallel to the plane, all straight and level flight. C-124 at				
		11,000 feet heading 73° Mag. Crew noticed the 3 objects				
		20° degrees to the right, just above the horizon, for 2-3				
		mins. Immediately thereafter off to the left of the C-124				
		more objects were seen for another 1 minute before				
		disappearing; round blue objects. Objects capable of very				
		high speed since they disappeared due to distance at				
		estimated distance of 50 miles. (Sparks; NICAP				
		website/Rich Vitello; Loren Gross UFO History; BB				
		files; Berliner; Project 1947; Randle)				
547.	1148	April 24, 1952. Great Blue Hill near Milton, Mass. (at	1.5 mins	3	Al	FCRL-
		42°12.7' N, 71° 7.0'W, elev. 635 ft). 2:30 p.m. (EST) AF			MI	T elect
		Cambridge Research Center, Radar Systems Lsb,			e	ngrs;
		Electronics Research Div, electronics engineers, Alfred P.			tele	escope?
		Furnish and Herbert J. Brun, and MIT electrical				
		engineering senior Joseph Page, were in an observation				
		tower on top of Great Blue Hill and saw to the NW 2 very				
		thin flat, dull reddish orange squarish objects with no				
		corners or "ovals pulled in at the waist" about 10-15 ft				
		wide, with a lip around outer edges, fly wobbly in				
		consistently undulating "swooping" motion in horizontal				
		flight at about 2,000 ft altitude. Objects then climbed				
		about 15° elevation at an estimated 240 mph, then flew				
		away and disappeared due to distance. No trail or exhaust,				
		no sound, visibility 70+ miles. [Unclear whether				
		observers used 6x aircraft tracking telescope.] (Sparks;				
		Berliner; Saunders/FUFOR Index; Loren Gross Jan-May				
E 40	1151	1952 p. 57)	<i>F</i>	1	<u> </u>	Mi alat
548.	1151	April 24, 1952. Clovis, New Mexico (34.40° N, 103.21°	5 mins	1		light
		W). 8:10 p.m. USAF Flight Surgeon Maj. E. L. Ellis saw			SU	ırgeon
		many orange-amber lights in a "blob" formation,				
		sometimes separate, sometimes fused, behave erratically,				
		varying speed from motionless to very fast. (Sparks; Berliner; Saunders/FUFOR Index; Randle)				
	L	Definier, Saunders/FUFUR fluex, Randre)	L	<u> </u>		

549.		April 25, 1952. Rheim-Main AFB, [Darmstadt?], West Germany. 9:20 [9:15?] p.m. 2 USAF C-47 pilots [Wisnieski?] had near-collision with white circular object heading NW. (Sparks; Weinstein; Jan Aldrich; Saunders/FUFOR Index)	2 mins	2+?		
550.	1160	April 27, 1952. Roseville, Mich. (42.49° N, 82.93° W). 4:15 p.m. H. A. Freytag [Freitag?] and 3 male relatives, including a minister, saw an silver oval roll, [change shape?], descend and stop. 2 silver cigar-shaped objects appeared, one departing to the E, one to the W; 3rd silver cigar flew by at high speed. (Sparks; Berliner; Saunders/FUFOR Index; cf. Randle)	45 mins	4		
551.		April 27, 1952. Selfridge AFB. 8 p.m. (EST). USAF Asst. Intelligence Officer, 4508th Defense Wing, Capt. Anthony W. Rosinia, sighted a kelly green fireball at about 45° elevation angle move horizontally and "trailed to a point" to disappear in the N. (Sparks; BB files)	3-4 secs	3		
552.		April 27, 1952. 4 miles E of Birmingham (NW of Detroit near Pontiac) (at 42.55° N, 83.07° W), Mich. 10:45-11:15 p.m. (EST). Family of 4 of John C. Hoffman in a car saw a brilliant white round-flat object with 2 tiers of windows descend from the NE, hover with rocking motion at about 15° elevation, stop and start at 100 mph drifting to NW. Witnesses pursued in car, lights went off and on 4 times changed color to white-orange, got 4 other witnesses, called police, <i>Detroit Times</i> newspaper and at 11:06 p.m. Selfridge AFB. Followed object in his car on 15 Mile Rd. (runs almost due W) to a point about 6.5 miles W of Birmingham (at about 42.54° N, 83.34° W) when it disappeared over treetops to NW. Moon was seen in the sky separately and did not set until about 11:38 p.m. yet sighting ended about 23 mins too soon if it had been the moon: Hoffman could have followed the moon if it had been the moon, for an additional 7 miles on 15 Mile Rd until about 11:25 p.m. when road would have curved S and away from object, yet that did not happen. [Same witness(es) or relative as in May 25, June 18, 1952, cases.] (Sparks; Hynek UFO Rpt pp. 70-73; Saunders/FUFOR Index)		8	2?	
553.	1163	April 27, 1952. Yuma, Ariz. (32.72° N, 114.62° W). 8:30 p.m. Off-duty control tower operator M/Sgt. G. S. Porter and wife saw bright red or flame-colored discs, appearing as large as fighter planes; 7 sightings of one disc, one of 2 in formation. All seen below 11,000 ft overcast. (Sparks; Berliner)	2 hrs total	2		
554.	1167	April 29, 1952. Marshall, Texas (32.54° N, 94.36° W). 3:30 p.m. (CST). Private pilot R. R. Weidman [Weedsman?] saw a round, white object fly straight, with a side-to-side oscillation. (Sparks; Berliner; Saunders/FUFOR Index)	1.5 mins	1		
555.	1168	April 29 [28?], 1952. N of Goodland, Kansas (at 39°38' N, 101°40' W). 10 p.m. (CST). B-29 bombardier Lt. R. H. Bauer saw a white fan-shaped light pulsing 3-4 times per second. (Sparks; Berliner; Project 1947)	2 secs	1		

556.		April 30, 1952. Moriarty AFS, New Mexico (35° 1'50" N, 105°49' 0" W). 7:40 and 7:46 a.m. (MST). Radar Controller Capt. Guy N. Hunter, Crew Chief A/1c William T. Pennington, Radar Operator Francis X. Bohn, and Airman Basic Larry L. Harper, at 768th AC&W Sq, tracked on CPS-5D radar targets at 4,000 mph. First target at 230° azimuth (about SW) at 149 miles range moving 11 miles per 10-sec sweep for 4 total sweeps heading into the radar site at slightly curving azimuths 228° (139 mi), 225° (129 mi), 223° (119 mi). 2nd track at 7:46 a.m. of 4,000 mph target at 280° azimuth (about W) at 140 miles moving 11 miles per 10-sec sweep for 6 total sweeps toward the radar until disappearing at about 74 miles range. Possible deliberate (hostile?) ECM spurious target generation, thus IFO's of non-real targets, radially moving targets that do not cross to other side of scope, no visual or other radar confirmation. (Sparks; McDonald files; Jan Aldrich; Saunders/FUFOR Index; BB files)	30 secs + 50 secs	3		
557.	1174	May 1, 1952. Moses Lake, Wash. (47.13° N, 119.29° W). 5:32 a.m. (PST). AEC employees Eggan and Shipley saw a silver object without wings fly straight and level. (Sparks; Berliner)	1.5 mins	2		
558.		May 1, 1952. Davis-Monthan AFB, Tucson, Ariz. 9:10 a.m. (MST). Base Intelligence Officer Major Rudolph Pestalozzi, M/Sgt. Edmund L. Bouton, Jr., and several others saw 2 shiny round 20-28-foot objects rapidly overtake then pace a B-36 in E-W flight at 20,000 ft at about 50° ±10° elevation, then depart at high speed, one object stopping to hover briefly, before disappearing, no sound, no trail. B-36 crew also saw objects and interrogated on landing. (Sparks; Case file was not missing, McDonald did not have a date or even the precise year.) (Maxwell BB Microfilm Roll 10, pp. 332-341; Hynek UFO Rpt pp. 109-112; Saunders/FUFOR Index)	3 mins	10+	1/10	
559.	1176	May 1, 1952. George AFB and Apple Valley, Calif. 10:50 a.m. (PDT?). 3 men on the arms range, plus Lt. Col. Lyle Albert Silvernail 4 miles away in Apple Valley saw 5 flatwhite discs about the diameter of a C-47's wingspan [95 ft] or length of P-51 [32 ft] fly fast about 1,000 mph at about 4,000 ft height, make a 90° turn in a formation of 3 in front and 2 behind, and dart around. Silvernail reported the sighting and was told radar was tracking the object(s) and fighters were being scrambled. (Sparks; Berliner; NICAP)	15-30 secs	5+	2 ?	RV?
560.	1183	May 5, 1952. Tenafly, New Jersey. 10:45 p.m. Mrs. M. M. Judson saw 6-7 translucent, cream-yellow objects, one moved in an ellipse, others moved in and out. (Sparks; Berliner)		1		
561.	1185	May 7, 1952. Keesler AFB, Mississippi (30.42° N, 88.94° W). 12:15 p.m. (CST). Capt. Morris, a M/Sgt., a S/Sgt., and an Airman 1/c saw an aluminum or silver cylindrical object dart in and out of the clouds 10 times. (Sparks; Berliner)	5-10 mins	4		

562. 563.	1194	May 8, 1952. Atlantic, 600 miles E of Jacksonville, Florida (at 31°20′ N, 70° W). 2:27 a.m. (EST?) Pilot Capt. Cent and copilot 1st Ofcr Gallagher of Pan Am Flight 203 flying DC-4 airliner at 8,000 ft on 180° heading from NYC to San Juan, Puerto Rico, saw brilliant white approaching from the left below the solid overcast at 10,000 ft. and streak by the left [?] wing at 1/8 to 1/4 mile, followed by 2 smaller orange balls of fire. (Sparks; NARCAP; McDonald list; Project 1947; Ruppelt pp. 133-4) May 9, 1952. George AFB, Calif. 10:30 a.m. 2 USAF F-86 pilots (Crown and another) in the air and a witness on the ground saw a round silver object. (Sparks; Berliner; Saunders/FUFOR Index) May 9, 1952. George AFB, Calif. 5:20 [12:50?] p.m.	secs	3		
	11)4	USAF A/1c G. C. Grindeland saw a dull white, arrowhead-shaped object fly straight and level. (Sparks; Berliner; cf. Saunders/FUFOR Index)	[4 mins?]			
565.		May 10, 1952. Albuquerque, New Mexico (at 35°03.6' N, 106°36.3'W). 3:00 p.m. (MST). USAF Lt. Col. Maurice G. Bechtol and wife in the yard of their home saw 2 silvery disc-shaped objects one after the other in the SW of Kirtland AFB heading to NE at above 20,000 ft, first object seeming to waver on axis or "flop over," was about size of B-36 bomber [230 ft] at 25,000 ft [about Full Moon], 2nd object followed similar path but at higher altitude appearing 10 mins after the 1st disappeared [thus at about 3:15? p.m.]. Bechtol alerted Lt Wagner of 135th AC&W Sq radar station but which was unable to track the 2nd object. 2 F-86's were in the air at 35,000 ft, unknown if they spotted UFO's; 2nd UFO much higher than 35,000 ft. (Sparks; BB files; McDonald files; Jan Aldrich; Saunders/FUFOR Index)	5 mins + 5-10 mins	2	1	
566.		May 10, 1952. Paphos, SW Cyprus. 8:30 p.m. British scientist and others saw a luminous circular object rise from sea level, waver back and forth for an interval before fading from sight directly overhead. (Sparks; Jan Aldrich)				
567.	1198	May 10 [12?], 1952. New Ellenton, South Carolina. 10:45 [11:45?] p.m. 4 DuPont employees at the Savannah River AEC nuclear plant saw up to 4 yellow, disc-shaped objects on 5 occasions between 10:45 and shortly after 11:15. One object pulled up to avoid hitting ground objects [terrain?]. (Sparks; Berliner; Randle; Bruce Maccabee) May 11, 1952. George AFB, Calif. Grendilund. (Sparks;	5 x ? [4 mins?]	4		
569.		McDonald list; Saunders/FUFOR Index) May 13, 1952. George AFB, Calif. 1:55 p.m. (PST). T-6 case. [Same as May 14?] (McDonald list;	30 mins	2		
570.		Saunders/FUFOR Index) May 13, 1952. Greenville, So. Carolina. 10:33 p.m. (EST). Richardson and 3 other amateur astronomers set up telescopes at dark area of Furman University when they saw a diamond formation of 4 oval reddish-yellow or reddish-brown luminous objects nearly overhead and disappeared after 3 secs motion through 12° arc [or at 12° elevation?]. Apparent size of half dollar at arm's length, 1/.4 turned and wobbling in flight. (Sparks; BB Status Report 8, Dec 1952, p. 25; Saunders/FUFOR Index)	3 secs	4	4	

571.	May 14, 1952. George AFB, Calif. 1:05 p.m. (PST).	25 mins	2	1	
3/1.	[Same as May 13?] (Sparks; McDonald list; Saunders/FUFOR Index)	25 mins	2		
572. 1213	May 14, 1952. Mayaquez, Puerto Rico. 7 p.m. Attorney and ex-USAF pilot Mr. Stipes and Sr. Garcia-Mendez saw 2 shining orange spheres: one was stationary, while the other darted away and back for 30 mins. (Sparks; Berliner)	30 mins	2		
573.	May 15, 1952. S of Changsong-ni and N of Nangnim Mountain, North Korea. 11 a.m. USAF Lt. McCarthy and another pilot flying two F-86E jets, 51st Fighter Interceptor Wing, 25th FI Sq, at 30,000 ft, airspeed 500 knots, on 280° heading. Sighted a silvery oval-shaped object larger than a MiG jet airplane at 9 o'clock position below, to the S, at estimated altitude of 8,000-10,000 ft, about 1,200-1,500 mph, and about 20 miles away. Object on S to N straight flight path in a "rolling maneuver," disappeared at about 3 o'clock position to N. (Sparks; Jan Aldrich)	3-5 secs	2		
574.	May 15, 1952. S of Changsong-ni and N of Nangnim Mountain, North Korea. 6:35 p.m. USAF F-51 fighter pilot of 18th Fighter Bomber Group flying F-51 at 9,000 ft on 180° heading at 240 mph sighted 50 ft diameter silver object at 1 o'clock position moving to 3 o'clock at 1,000 mph at about the same altitude, which then started a steep climb, but at the top of the loop the object resumed a horizontal course (heading 360° or N) wavered momentarily, descended and disappeared into the haze which reached an altitude of about 7,000-8,000 feet. (Sparks; Jan Aldrich)	15-25 secs	1	4-6?	
575.	May 15, 1952. Georgetown, Washington, D.C. 9:35 p.m. (EDT). USN Ens. H. W. Taylor, Ens. Paul G. Russell, civilian employee of AF Intelligence Kathleen O'Donnell, and WAF assigned to HQ USAF Joan Farrell saw soft golden glowing oval object possibly 5-6 ft in size on straight level path heading S moved through 70° arc, suddenly disappeaing at about 20° to 30° above horizon. (Sparks; McDonald files; BB files; Jan Aldrich; Saunders/FUFOR Index)	10-15 secs	5+		
576.	May 19, 1952. 30 miles SW of San Angelo, Texas (at 30°37' N, 100°47' W). 8:05 [7:46?] p.m. (CST). USAF 31st Strategic Recon Sq pilot and crew of RB-36 flying at 18,000 ft on a 301° heading at 214 mph TAS, Capt. Gerard A. Sharrock, Capt. Jack L. Bailey, Capt. Bernice O. Bowers, 1st Lt. Constantine G. Kollinzas, 2nd Lt. Norman V. Stewart, S/Sgt. John J. Fisher, S/Sgt. William O. Warr, A/1c Robert Schick, saw 7 bright white circular or doughnut shaped white contrails, like lenticular clouds, stacked vertically about 10°-20° elevation estimated distance 50-75 miles height ranging from 25,000 to 60,000 ft about 1 mile wide. Sighted through 6x binoculars and photographed in 6 frames with 35 mm camera by Bailey, also seen by radar station ground observer alerted by radio. Contrails persisted for at least 15-20 mins possibly 1 hr. Last seen when RB-36 was at 30°53' N, 101°20' W. (Sparks; Jan Aldrich)	15-20 mins	9		
577.	May 20, 1952. George AFB, Calif. 1:25 p.m. (PST). (McDonald list; Saunders/FUFOR Index)	5 mins			

570	1210	M 20 1072 H 4 T 10 10 HGAE '14	1 00	2	1	
578.	1219	May 20, 1952. Houston, Texas. 10:10 p.m. USAF pilots	90 secs	2		
		Capt. J. Spurgin and Capt. B. Stephan [Steven?] saw a				
		bright or white [orange-white?] oval object move from				
		side-to-side while making a gradual turn [towards them?].				
		(Sparks; Berliner; Saunders/FUFOR Index; Randle)				
579.		May 22, 1952. Falls Church [or Alexandria], Virginia, (at		6+		CIA
		38°52' N, 77°10' W). Bet. 1 and 2 a.m. Top CIA official				
		and several dinner guests, including a retired general,				
		noticed noiseless red light approach from W at about 5,000				
		ft then suddenly climb almost vertically in the SE, stop,				
		level out for a few secs, go into near vertical dive, level				
		off, disappear to the E. (Sparks; Ruppelt pp. 135-6; BB				
		Status Rpt 7; Jan Aldrich).				
580.		May 23, 1952. Kirtland AFB, Albuquerque, New Mexico,	45 mins	6+	1/50 ?	transit
		at 35° 2.9' N, 106°32.6' W. 4:00-4:45 p.m. (MST). USAF			(0.1°	telescope,
		CO of 135th AC&W Sq ADC radar site, Lt. Col. Orlando			equiv in	binoculars,
		W. Stephenson Jr., and other staff of radar site, Senior			binocs,	(theodolite
		Director Lt. William J. Hopkins, Capt. Clarence R.			telescope	?)
		Holloway, Lt. Edwin G. Kenyon, Philco radar tech rep			?)	
		John B. Cooper, and at least one other witness (door				
		guard), saw a silvery or aluminum color flat on the bottom,				
		slightly rounded on top, the highest part off center to the				
		left, in the W at 268° azimuth 2° elevation at an estimated				
		height of about 1,000-3,000 ft at 10-20 miles distance,				
		seen through transit telescope, 7x 50mm binoculars and				
		possibly theodolite [?]. Object reflected sunlight at				
		varying irregular intervals of brightness for 3 secs to 2-3				
		mins and then dark or invisible for similar periods, headed				
		to the right descending below the horizon at 271° azimuth				
		about 0° elevation. Radar and 93rd FI Sq F-86D fighter				
		interception unsuccessful. (Sparks; Jan Aldrich)				
581.		May 24, 1952. Zuni, New Mexico. 1:27 a.m. Pilot of	18 secs	1		
		TWA airliner Brass saw 2 reddish torpedo-shaped objects				
		appear in front of the aircraft. (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
582.		May 25, 1952. Randolph AFB, Texas. 9:27 p.m. (CST).	3 secs	3		
		USAF navigator in charge of navigation section of Combat				
		Crew Training School, Capt. J. S. J., his wife, and pilot Lt.				
		P. H., saw a group of about 12 orange-white tear-drop				
		shaped lights, points forward, in 3 groups of 4 objects				
		moving from W to E at high speed 2,000 mph at 10,000 ft				
		at 70° elevation. Heard deep soft intermittent noise.				
		(Sparks; McDonald files; Jan Aldrich; cf. Ruppelt p.				
		140; Saunders/FUFOR Index)				
583.	1227	May 25, 1952. Walnut Lake, Mich. 9:15 p.m. John	30 mins	7		
505.	1221	Hoffman, family, friends [and others?] saw and followeed	50 1111115	,		
		in their car a large white [white-yellow-orange?] circular				
		object having dark sections on its rim, fly straight and				
		level, appearing red when behind a cloud. [Same				
		witness(es) as in April 27, June 18, 1952, cases??]				
		(Sparks; Berliner; Randle)				
		(oparas, Derinier, Randie)	<u> </u>		İ	

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584.		May 26, 1952. W or NW North Korea. 3:20 a.m. (local).	~7 mins	3+		RV ground
		USAF 319th FI Squadron pilot 1st Lt. John W. Martin and				and air
		radar observer 1st Lt. Edward A. Monard, flying N to S				radars
		from an intercept mission near the front lines of the				
		Korean War in an F-94C jet fighter at 2,500 ft altitude saw				
		an unidentified brilliant white or blue light above them and				
		in front. F-94 made about 7 passes in an attempt to				
		identify the light, first to within 600 ft distance and then				
		succeeding passes at different cardinal directions to within				
		50 ft range but could not see a shape due to the brightness				
		of the light and airborne radar could not detect object.				
		[Possible balloon since passes occurred over 5 mins as				
		altitude increased to about 7,000-7,500 ft or at roughly				
		standard weather balloon rise rate of 1,000 ft/min.] At				
		3:25 a.m. ground radar site "Bromide" told F-94 there was				
		an unknown target on their tail, and F-94 radar observer				
		visually sighted an aircraft behind them, while pilot saw				
		that the original bright light was still visible too. Pilot				
		turned right to come around behind the new target and				
		radar observer detected on airborne APG-33 radar and				
		locked on the object nearly dead ahead and slightly above				
		at about 5°-10° elevation, range 7,000 yards, overtake				
		speed 50 knots, F-94 at 250 knots and 7,000-7,500 ft				
		altitude now heading NE [after ~50 secs of sharp turn].				
		Pilot went into shallow climb, closing range to object to				
		6,000 yards [after ~35 secs] when object started to rapidly				
		pull away. F-94 went on afterburner [to ~500 knots] while				
		object steadily accelerated in shallow climb to high speed				
		[peak velocity of ~6,700 mph at about 21 g's] in 14 secs				
		increasing range from 6,000 yards to 24,000 to 26,000				
		yards, till breaking radar lock, while F-94 accelerated on				
		afterburner from 250 knots [to roughly 500? Knots], and				
		object evidently still being tracked by ground radar site				
		"Bromide." No visual contact made with object, no				
		exhaust observed, no evasive maneuvers other than high				
		acceleration. Flight crew timing was calibrated afterwards				
		and found to be about ± 2 secs in 60 secs or about ± 0.5 sec				
		in 14 secs. (Sparks; Weinstein; Saunders/FUFOR Index;				
		NICAP)				
585.	1232	May 28, 1952. Saigon, French Indo-China (10°46' N,	2 mins	many		
		106°43' E). 10:30 a.m. Many in crowd watching a				
		ceremony saw a white-silver disc-shaped object fly				
		straight and fast. (Sparks; Berliner; Randle)				
586.	1233	May 28, 1952. Albuquerque, New Mexico. 1:45-2:40	55 mins	2		
		[1:30?] p.m. (PST). City fire department employees				
		Romero and Atterbury saw 2 circular objects, one shiny				
		silver and the other orange or light brown, come in from				
		the NE at high speed, stop to circle, 3 times performing				
		fast maneuvers, then climb out of sight. (Sparks;				
		Berliner; Randle)				
587.	1233	May 28, 1952. E of Albuquerque, New Mexico [and Okla.		5+		
		?]. 8:10 [8:20? 8:40?] p.m. (MST). USAF crews of 5 B-				
		29 bombers saw green spherical objects [fireballs?].				
		(Sparks; Project 1947; Saunders/FUFOR Index)				
	1	Commo, 110 jeet 1711, Summeroll Of Ort much)	l			

588.	1236	May 29, 1952. S of Florida Keys, U.S. 5-5:30 p.m. Vickers electronics engineer aboard USS Oriskany aircraft carrier CV-34 headed S to Cuba was alerted by radar officer that there were two saucers in the sky. Using the ship's telescope on the navigation deck he observed the two elliptical outlines with a bubble on top of each, leaving white vapor trails, estimated at 10,000-15,000 ft altitude in the W about 30°-40° above horizon traveling supersonic headed S, larger than jet fighters (50 ft) possibly as large as flying wings (200 ft). AFOSI report sent to BB but not found in BB files. (Sparks; AFOSI BB NARA Microfilm Roll 90, pp. 1166-7) May 29, 1952. San Antonio, Texas. 7 p.m. USAF pilot	15-20 secs	2+	1/2 ?	RV, telescope
	1230	Maj. D. W. Feuerstein [Weinstein?], on ground, saw a bright tubular object tilt from horizontal to vertical for 8 mins, then slowly return to horizontal, again tilt vertically, accelerate, appear to lengthen and turn red. (Sparks; Berliner; Saunders/FUFOR Index; Randle)	mins			
590.		May 30, 1952. Japan Sea, S of Oshima island, Japan (at 34°15' N, 139°30' E). 7 p.m. 3 USAF crew members of C-54 transport plane saw a round black object first motionless then moving rapidly to the W. (Sparks; Project 1947; Saunders/FUFOR Index)	5+ mins	3		
591.		May 31, 1952. S of Chorwon, South Korea (at 37°55' N, 129° 7' E). 3:45-55 a.m. Bright object to NE fell from about 3,500-3,600 ft to 2,000-2,600 ft height then ascended to 3,000-4,000 ft, headed E about 1/2 mile with jerky motion, stopped, reversed coursed to NE again at a speed of about 100-150 mph, reversed again heading E, climbed at 25° angle increasing to 45° angle away in 3-4 secs accelerating with jerky motion to disappearance. Second guard at different location Post 6 saw same but also heard "pulsating sound" and saw disc shape. Duration 2 mins. At about 3:50 a.m. 319th FI Sq F-94 interception of white-bluish round object on airborne radar for 9 mins at 500 mph at 6,000 ft height heading 90° initially, maneuvering down to 1,000 ft then up to 28,000 ft. disappearing on 45° heading. (Sparks; Hynek UFO Rpt pp. 87-90; Project 1947)	9 mins	3+		RV
592.	1243	June 1, 1952. Rapid City, South Dakota. 6 p.m. USAF A/1c Beatty and two civilians. At least 5 long silver objects flew in a neat box formation with a leader. (Sparks; Berliner)	15-20 secs	3		
593.	1245	June 1, 1952. Walla Walla, Wash. 1 p.m. Ex-military pilot Reserve Maj. W. C. Vollendorf saw an oval object with a "definite airfoil" perform a fast climb. (Sparks; Berliner)	7 secs	1		
594.	1246	June 1, 1952. Soap Lake, Wash. >3 p.m. [?] Ray Lottman saw 3 glimmering objects fly straight and level. (Sparks; Berliner)	10 mins	1		
595.	1249	June 2, 1952. Bayview, Wash. 5:02 p.m. Larry McWade saw a purple object for unknown length of time. No further information in files. (Sparks; Berliner)		1		
596.	1250	June 2, 1952. Fulda, West Germany. Time unknown. 1st Lt. John Hendry, photo-navigator on an RB-26C recon bomber, saw a porcelain-white object fly very fast for an unknown length of time. (Sparks; Berliner)		1		

597.		June 4, 1952. Stuttgart, West Germany (48°47' N, 9°12'				
397.		E). 7:30 p.m. USAF pilot and copilot of C-47 transport				
		saw a circular object with white lights on the leading edge.				
		(Sparks; Weinstein)				
598.	1255	June 5, 1952. Lubbock, Texas. 11 p.m. Dan Benson and	45 mins	2		
370.	1233	Mr. Bacon saw a total of 8 yellow circular objects, like	13 111113	_		
		large stars, the first 2 in a trail formation, the others seen				
		singly. (Sparks; Berliner)				
599.	1256	June 5, 1952. Albuquerque, New Mexico. 6:45 p.m.	6 secs			
377.	1230	S/Sgt T. H. Shorey saw a shiny round object fly 5-6x as	0 5005			
		fast as an F-86 jet fighter. (Sparks; Berliner)				
600.	1257	June 5, 1952. Offutt AFB, Omaha, Nebraska. 11 p.m. 2nd	4.5 mins	3		
000.	1237	Lt. W. R. Soper, a Strategic Air Command TOP SECRET	4.5 111113	3		
		Control Officer, former AFOSI agent; and 2 others saw a				
		bright red stationary object for 4.5 mins before speeding				
		away with a short tail. (Sparks; Berliner)				
601.	missi	June 6, 1952. Kimpo AB, Korea. 8:42 a.m. Flight		2+		
001.	ng	Sergeant saw cylinder-section flat disc-shaped object,		2 '		
	115	width/diameter ratio 1:7, doing a series of erratic spinning				
		and tumbling motions, level flight, hovering, shooting				
		straight up, level flight, tumbling, changing course,				
		disappearing into the sun in the E, reappearing back and				
		forth across the sun. At one point an F-86 fighter passed				
		in front of object. Case file missing. (Sparks; Battelle				
		Unknown No. 7; Randle)				
602.	1260	June 7, 1952. Albuquerque, New Mexico. 11:18 a.m.			2	
002.	1200	Crew of B-25 bomber #8840 at 11,500 ft saw a rectangular				
		aluminum object, about 6 ft x 4 ft, fly 250-300 ft below				
		them. (Sparks; Berliner)				
603.	1263	June 8, 1952. Albuquerque, New Mexico. 10:50 a.m.		2		
		Mr. and Mrs. J. D. Markland saw 4 shiny objects fly				
		straight and level in a diamond formation. (Sparks;				
		Berliner)				
604.	missi	June 9, 1952. Minneapolis, Minn. Case file missing.				
	ng	(Sparks; Berliner; Randle)				
605.	1269	June 12, 1952. Ft. Smith, Ark. 7:30 p.m. U.S. Army		2		binoculars
		Major and Lt. Colonel using binoculars saw an orange ball				
		with a tail fly with a low angular velocity. (Sparks;				
		Berliner)				
606.	1270	June 12, 1952. Marrakech, Morocco. 11:26 a.m. T/Sgt.		1		radar
		H. D. Adams, using an SCR-584 radar set, tracked an				
		unidentified target at 650 knots (750 mph) at 60,000+ ft				
		altitude. (Sparks; Berliner)				<u> </u>
607.	1273	June 13, 1952. Middletown, Penna. 8:45 p.m. (EST). R.	10 mins	1		
		S. Thomas, Olmstead AFB employee and former control				
		tower operator, saw a round orange object travel S, stop				
		for 1 sec, turn E, stop 1 sec, and drop down. (Sparks;				
		Berliner; Saunders/FUFOR Index)				
608.	1285	June 15 [16?], 1952. Louisville [Boundsville?], Kentucky.	15 mins	1		
		11:50 p.m. Edward Duke, ex-U.S. Navy radar technician,				
		saw a large, cigar-shaped object with a blunt front, lit sides				
		and a red stern, maneuver in a leisurely fashion. (Sparks;				
<u></u>	<u> </u>	Berliner; Saunders/FUFOR Index)				
609.	1295	June 16, 1952. Walker AFB, Roswell, New Mexico. 8:30	1 min	1		
		p.m. USAF maintenance specialist S/Sgt. Sparks saw 5-6				
		greyish discs, in a half-moon formation, fly at 500-600				
		mph. (Sparks; Berliner)				
	l	mpii. (opuno, bermer)	I		1	1

610.	1299	June 17, 1952. Cape Cod, Mass. 1:28 a.m. USAF pilot of F-94 jet interceptor saw a light like a bright star cross the	15 secs	1		
		nose of the jet. No further information in the files. (Sparks; Berliner)				
611.	1298	June 17, 1952. McChord AFB, Wash. Between 7:30 and	15 mins	many		
		10:20 p.m. Many witneses saw 1-5 large silver-yellow objects flying erratically, stop and start. (Sparks;				
		Berliner)				
612.	1302	June 18, 1952. Columbus, Wisc. 9 a.m. R. A. Finger saw	several	1		
		a crescent-shaped object hover then speed away. (Sparks; Berliner)	secs			
613.	1305	June 18, 1952. Walnut Lake [Pontiac], Mich. 10 p.m.		5		binoculars
		Marron [Marion ?] Hoffman and 4 relatives, using 4x				
		binoculars, saw an orange light zigzag then hover for an unspecified length of time. [Same witness(es) as in April				
		27, May 25, 1952, cases??] (Sparks; Berliner)				
614.		June 18, 1952. 100 miles E of March AFB, Calif. UFO	30 mins			
		paced a USAF B-25 bomber. (Sparks; Ruppelt p. 146;				
615.	1308	etc.) June 19, 1952. Goose Bay, Labrador, Canada. 2:37 a.m.	1 min	2		RV
013.	1300	2nd Lt. A'Gostino and unidentified radar operator saw a	1 111111	2		ΚV
		red light turn white while wobbling. Radar tracked a				
		stationary target that suddenly enlarged then returned to				
		previous size possibly a disc rotating to present wider				
		reflective surface. (Sparks; Berliner; cf. Ruppelt p. 146)				
616.	1310	June 19, 1952. Yuma, Ariz. 2 p.m. USAF pilot John	10 secs	1		
		Lane saw a round, white object fly straight and level.				
617.	1313	(Sparks; Berliner) June 20, 1952. Central Korea. 3:03 p.m. 4 USMC Capts.	60 secs	4		
017.	1313	and pilots of F4U-4B Corsair fighters with 7302nd Sq saw	ou sees	4		
		a 10-20 ft white or silver oval object make a left-hand				
		orbit at terrific speed. (Sparks; Berliner)				
618.		June 20, 1952. Near Paulette, Mississippi (at 33° 2' N,		2	1/10 -	
		88°26′ W). 8:26 p.m. USAF pilot Lt. Milo Roberts and			1/2	
		bombardier Lt. Julius Prottengeier with 308th Bomb Sq,				
		310th Bomb Wing, Forbes AFB, Kansas, flying a B-29				
		bomber (s/n 44-62204) at 190 mph at 17,000 ft saw a cone-shaped object approach on collision course from the				
		2 o'clock position, before evasive action object made sharp				
		left left and disappeared, followed by a 2nd object [?].				
		Object's length/width ratio 3:1, about 8-10 ft long at 1,200-				
		1,500 ft away or 100 ft if at 15 miles away. (Sparks;				
		NARCAP; BB files??)				

610		Iuna 20, 1052 (Iuna 21 CMT 7 times) 10 mi NNIC - C	17	2		mo dan
619.		June 20, 1952 (June 21 GMT Z-time). 10 mi NNE of	17 mins	3+		radar
		Maryville, Tenn. 10:58-11:15 p.m. (EST). Oak Ridge				
		GOC post spotted target, confirmed by ADC 663rd				
		AC&W radar [?], followed by F-47 fighter on combat air				
		patrol protecting Oak Ridge AEC base (USAF Lt James				
		W. Wilson) of a 6-8-inch [?] white blinking light which				
		made ramming attacks on the F-47 at 10,000 or 15,000 ft				
		(?) to 22,000 ft by dropping down 4,000-5,000 ft, F-47				
		indicated air speed ~290 mph. Final attack run from UFO				
		came from estimated 28,000 ft down to F-47 at 22,000 ft.				
		Attempted BB explanation of lighted weather balloon				
		"dog-fight" failed as the lighted 100-gram pilot balloon				
		was launched from McGee-Tyson Airport near Maryville				
		at 10:00 p.m. and was tracked by weather observers until				
		light failed at 10:15 p.m. at 16,000 ft (43 mins before the				
		UFO sighting) who saw no F-47 or UFO or "dog-fight."				
		(Sparks; BB Maxwell Microfilm Roll 10, pp. 1481-1497;				
		Ruppelt pp. 43-44; Menzel 1963)				
620.	1319	June 21, 1952. Kelly AFB, Texas. 12:30 p.m. T/Sgt.	1 sec ?	1		
		Howard Davis, flight engineer of B-29 bomber at 8,000 ft				
		altitude, saw a flat object with a sharply pointed front and				
		rounded rear, white with a dark blue center and red rim,				
		trailing sparks as it dove past the B-29 at a distance of 500				
		ft, in 1 sec. (Sparks; Berliner)				
621.	1323	June 22, 1952. Pyungthek, South Korea. 10:45 p.m. 2	60 secs +	2	1/2	
		U.S. Marine Sgts. saw a 4 ft diameter orange object dive at				
		a runway from the N dropping from 800 ft to 100 ft				
		altitude over W end of runway, shooting 2-5 ft red flames,				
		then head W at about 300-450 mph for 2-3 secs, hover				
		briefly over a hill, turn 180° in 45-60 secs, flash, head E				
		1/2 mile, flash again and blink out. No sound. (Sparks;				
		Hynek UFO Rpt pp. 82-83)				
622.	1331	June 23, 1952. Spokane, Wash. 4:05 p.m. Airport	5-7 mins	1		
		weather observer Rex Thompson saw a round disc with a				
		metallic shine flash, and flutter like a flipped coin.				
		(Sparks; Berliner)				
623.	1332	June 23, 1952. McChord AFB, Wash. 9 p.m. 2nd Lt. K.	10 mins	1		
		Thompson saw a very large light fly straight and level. No				
		further information. (Sparks; Berliner)				
624.		June 23, 1952. Kirksville AFS, Missouri. 7:30 or 7:35	1.75-2	7		radar
		p.m. USAF ADC radar operators Lt. A. N. Robinson, Jr.,	mins			
		and Airman Ray H. Foote, plus 5 other controllers, officers				
		and maintenance technicians, tracked one (two?)				
		unidentified target with a clear sharp return about the size				
		of a B-29's (or B-50 or B-36) suddenly appear 80-85 miles				
		NNW of radar site moving at a constant speed of about				
		3,600 mph [to 4,300 mph] on a straight path of about 120-				
		125 miles headed 357° or almost due N to disappearance				
		off scope. (Sparks; Hynek-CUFOS files)				
625.	1334	June 23, 1952. Oak Ridge, Tenn. 3:30 a.m. Secretary	30-60			
		Martha Milligan saw a bullet-shaped object with burnt-	secs			
		orange exhaust fly straight and level. (Sparks; Berliner)				
626.		June 23, 1952. Location unknown, but information came		1	1 – 1.3	
		via Japan Hq "CV 4359." 6:08 a.m. USAF pilot				
		Wermack of the 18th Fighter-Bomber Group saw a black				
		coin-shaped object, 15-20 ft in diameter, at 6,000 ft				
1						
ļ		approach to within 1,500 ft, then make an irregular descent. (Sparks; Berliner; Project 1947)				

627.	1335	June 23, 1952. Near Owensboro, Kentucky. 10 a.m. National Guard Lt. Col. O. L. Depp heard sound, saw 2 objects looking like "giant soap bubbles" reflecting yellow and lavender colors, fly in trail. (Sparks; Berliner; Randle)	5 secs	1	
628.	1340	June 25, 1952. Tokyo, Japan. (Sparks; Berliner)		_	
629.	1344	June 25, 1952. Chicago, Illinois. 8:30 p.m. Mrs. Norbury and Mr. Matheis saw a bright yellow-white, egg-shaped object, sometimes with a red tail, make 7 circles. (Sparks; Berliner)	1-1/2 hrs	2	
630.		June 25, 1952. Michigan. (Saunders/FUFOR Index)			
631.	1347	June 25, 1952. Japan-Korea area. Military witness(es). Case missing [?]. (Sparks; NARA; Randle)			
632.	1348	June 26, 1952. Terre Haute, Indiana. 2:45 a.m. USAF 2nd Lt. C. W. Povelites saw an undescribed object fly at 600 mph then stop. No further information in files. (Sparks; Berliner)		1	
633.	1351	June 26, 1952. Pottstown, Penna. 11:50 p.m. Assistant manager of airport Mr. Wells made 3 sightings of flashing lights: (1) 2 lights separated by 2 miles, with the leader flashing steadily and the other irregularly; (2) 2 similarly flashing lights, but with 1 mile separation; (3) Finally a single light. Speed estimated at 150-250 mph. (Sparks; Berliner)	1/2 hr total	1	
634.	1355	June 27, 1952. Topeka, Kansas. 6:50 p.m. Forbes AFB USAF pilot 2nd Lt. K. P. Kelly and wife saw a pulsating red object change shape from circular to a vertical oval as it pulsed, first stationary then moving. (Sparks; Berliner)	5 mins	2	
635.		June 28, 1952. Kirtland AFB, Albuquerque, New Mexico. 1:20 p.m. 2 observers with CARCO air service saw 2 silvery disc-like objects high in the sky moving slowly to the S, noiseless, suddenly climbed nearly vertically at high speed, one going SSE the other almost due E. (Sparks; Hynek UFO Exp ch. 6, case DD-7)	30 secs	2	
636.	1361	June 28, 1952. Lake Koshkonong, Wisc. 6 p.m. G. Metcalfe saw a silver-white sphere over the lake become an ellipse as it turned 180° and climbed away very fast. (Sparks; Berliner; Randle)	10 secs	1	
637.	1363	June 28, 1952. Nagoya, Japan. 4:10 p.m. Capt. T. W. Barger, USAF Electronics Counter Measures officer, saw a dark blue elliptical-shaped object with a pulsing border fly straight and level at 700-800 mph. (Sparks; Berliner)		1	ECM officer
638.		June 28, 1952. Pacific bet. Hawaii and Calif. (at 29° 0' N, 145°20' W). 10:50 p.m. USAF C-47 pilot saw a very bright light pass across the flight path from left to right. (Sparks; Project 1947)		1	

639.	1364	June 29, 1952. O'Hare Airport, Chicago, Illinois. 5:45-6:30 p.m. (CDT). 3 USAF air policemen, 83rd Air Base Sq, Air Police Detachment, S/Sgt. Lopez, A/1c Weber, and A/3c Korkowski, saw a bright silver, smooth surfaced, flat oval 30 ft [150? ft] object estimated at about 500-1,000 ft height about 7 miles [2-3 mi?] away to the WSW reflecting sunlight surrounded by a blue circle of haze for the first 20-25 mins, hovering. Object appeared between or just above radio towers for stations WGN and WBBN 7 miles away and about 1 mile apart [at 42° 0' 42" N, 88° 2' 7" W, and 41° 59' 32" N, 88° 1' 36" W] to the WSW at about 2° elevation and to the left and S of the setting sun (which was at 284° azimuth, 20° elevation, at 6:30). Then move very fast [about 3 mi or 20°] to the right and left, and up and down relative to the radio towers, moving almost instantaneously and much faster than any jet fighter. Object rocked on its longitudinal axis, appeared oval (major/minor axis ratio about 2.2) when oriented vertically, thin and difficult to see when horizontal. Object receded at high speed then disappeared "like shutting off a light." No trail, no noise. Independently witnessed by Chicago firemen several miles away. (Sparks; Jan Aldrich; Maxwell BB Microfilm Roll 11, pp. 260-265; unpublished Ruppelt manuscript).	45 mins	3+	1/5 – 1/3 (~0.4 from drawing)	triangulatio n?
640.		June 30, 1952. Columbia, Missouri. 1:46-3:54 a.m. (CST). U.S. Weather Bureau observer tracked by theodolite an object at extreme distance irregularly changing color from red to green, seeming to move away, to the NNE making only "small" angular movement in the 14 recorded measurements of position in 2 hrs. (Sparks; Jan Aldrich)	2 hrs 8 mins	1		theodolite
641.		June 30 [July 1?], 1952. Phoenix, Ariz. Gaudet [and Wolf?]. (Sparks; Jan Aldrich; Saunders/FUFOR Index)		2?		
642.		June 30, 1952. Sea of Japan. 7 p.m. 3 USAF crew members of C-54 transport saw circular object flattened on top and bottom. (Sparks; Weinstein; BB files??)		3		

643.	July 1, 1952. Boston, Lynn and Bedford, Mass. 7:25-7:30 a.m. (EDT). 2 F-94's scrambled (at 7:25?) to intercept UFO that a GOC spotter saw heading SW over Boston, no radar contact and F-94's searched area found nothing. Erwin W. Nelson and wife at Lynn (9 mi NE of Boston) at 7:31-7:34 noticed two vapor trails from the climbing jets, looked around, saw in the W a bright silver "cigar shaped object about six times as long as it was wide" heading SW over Boston at a very high altitude, speed a little faster than the two jets. An identical UFO was following the first some distance back. No vapor trails. Witnesses watched the F-94's search back and forth far below the UFO's. At 7:30 AF Capt. Robert E. Metcalf, Petroleum Officer, 6520th Supply Sq, 6520th Test Support Wing, and USAF air policemen MSgt James Stiner and MSgt Joseph R. Bosh, 6520th Air Police Sq., near Hangar B, Hanscom Field, Bedford, Mass. (15 mi NW of Boston, W of Lynn) saw the two jets, looked for what they were intercepting and saw to the E [?] a 100 ft long silvery ellipse "fatter than a cigar" traveling SW but did not spot the 2nd UFO. At two points object seemed to hover for a few secs, then continued at about 40,000 ft. Object path intersected contrails of the two jets heading SE. Metcalf lost sight of object on his way to the Tower after a few (2-3?) mins then caught sight again at about 7:40, noting it had increased distance "considerably," but lost it at the Tower and unable to see it with unaided eye or 7x50mm binoculars. (Sparks; Maxwell BB Microfilm Roll 11, pp.	15+ mins	7+		
644.	July 1, 1952. Ft. Monmouth, New Jersey (40°31' N, 74°05' W). 9:30 a.m. 3 radar instructors and 12 Army Signal Corps radar students tracked 2 slow-moving UFO targets in the NE heading SW on SCR-584 radar while tracking 9 military jets [evidently a SAC exercise of 9 B-36's from 7th Bomb Wing, Carswell AFB, Ft. Worth, Texas, a high-altitude formation radar-camera flight to conduct simulated attack on NYC after circling around Cape St. Francis, Newfoundland]. UFO radar targets were much slower than the jets [400 mph B-36's] then hovered nerared Ft. Monmouth at 50,000 ft for about 5 mins then took off in a "terrific burst of speed" to the SW. An instructor and some students went outside shortly after the UFO targets appeared, searched sky for about 1 min and spotted 2 shiny objects in the same location painted by the radar, watched the objects for several minutes and saw them disappear in the SW with a burst of speed at same time radar showed the acceleration. (Sparks; McDonald list; Saunders/FUFOR Index; Ruppelt) July 1, 1952. Washington, DC. George Washington Univ. Physics Professor saw "dull, gray, smoky colored" object in the NNW sky hovering motionless about 30°-40° above horizon, whickh occasionally moved through arc of about 15° right or left, and gradullay descended from the sky until hidden by buildings on skyline. Angular size ½ of a quarter (coin) at arm's length [=1°]. He estimated at least 500 other witnesses in the streets, confirmed by brief newspaper reporting. (Sparks; Ruppelt)	5+ mins 8 mins	500+ ?	2	physics prof

646.	1380	July 3, 1952. Selfridge AFB, Mich. 4:15 a.m. Witnesses		2+?		
040.	1300	not identified (civilians?) saw 2 big lights, about 20 ft		21 !		
		diameter, fly straight and level at tremendous speed.				
		(Sparks; Berliner)				
647.	1382	July 3, 1952. Chicago, Illinois. 11:50 p.m. Mrs. J. D.	6 secs			
		Arbuckle saw 2 bright pastel green discs fly straight and				
6.10		level very fast. (Sparks; Berliner)				
648.		July 5, 1952. Elmendorf AFB, Alaska. (Saunders/FUFOR Index)				radar
649.		July 5, 1952. Hanford Atomic Works, Richland, Wash. 6		4		
		a.m. Conner Airlines C-46 pilot Baldwin, another pilot				
		and 2 copilots saw a perfect circular white disc above the				
		Hanford site. (Sparks; Project 1947; Saunders/FUFOR				
650	1200	Index)	1.5	1		
650.	1390	July 5, 1952. SSE of Norman, Okla. 7:58 p.m. Oklahoma	15 secs	1		
		State Patrolman Hamilton in State Patrol airplane saw 3 dark discs [at 4,000 ft?] hover then fly away, silhouetted				
		against a dark cloud. (Sparks; Berliner)				
651.		July 6, 1952. Berkeley, Calif. (elevation 925 ft, near	30 secs	1	1	scientist
		Claremont Hotel). 9:30 a.m. (PDT). Dr. Henry Ehrenberg				
		saw an elliptical object the size of the Full Moon hovering				
		in midair with no sound, about 40° elevation in the West				
		about 5,000 ft over Golden Gate Race Track about 5 miles				
		away. Object faded away without apparent motion. (Sparks; Maxwell BB Microfilm Roll 11, pp. 567-570)				
652.	1397	July 6-12, 1952. Governors Island, New York [Elizabeth,				photos
032.	1377	NJ?]. 11:00 p.m. Charles Muhr [and Neff?] took 4 photos				photos
		of some indistinct light admittedly not seen visually, not				
		known until film was developed. (Sparks; Berliner;				
		Saunders/FUFOR Index; Randle)				
653.	1405	July 9, 1952. Colorado Springs, Colo. 12:45 p.m. USAF	12 mins	1		
		pilot Maj. C. K. Griffin saw an object shaped like an airfoil less its trailing edge, luminous white, move slowly				
		and erratically. (Sparks; Berliner)				
654.	1409	July 9, 1952. Kutztown, Penna. 6:30 p.m. Farmer John	20 secs			photos
		Mittl saw an aluminum, oval-shaped object change				•
		direction and attitude, finally tipping on end then				
		departing. Case file includes three vague photographs.				
655.		(Sparks; Berliner) July 9, 1952. Rapid City AFB, South Dakota. (Sparks;		1?		
033.		Saunders/FUFOR Index)		1 !		
656.		July 10, 1952. Near Quantico, Virginia. 8:18 p.m. Pilot		1?		
		of National Airlines Flight 42, a C-60 aircraft, saw a very				
		bright amber glow, stationary then climbing slowly till				
657	1.421	disappearance. (Sparks; Project 1947)	7.0			
657.	1431	July 12, 1952. Annapolis, Maryland. 3:30 p.m. Insurance company president William Washburn saw 4 large,	7-8 secs			
		elliptical-shaped objects fly very fast, stop, turn 90° and				
		fly away. (Sparks; Berliner)				
658.		July 12, 1952. Montrose Beach, Chicago, Illinois. 8:42	several	nume		
		p.m. (CDT). O'Hare AFB weather observer AF Capt. W.	mins	rous		
		J. Shea and a civilian Jane Morrison sighted 3 lights, main				
		red light with smaller white lights on each side, traveling				
		500 mph at 40,000 to 50,000 ft from the WNW, accelerate				
		and to the S make a 180° turn, heading NNW when disappeared. Sighted by 400+ people, with 14 others				
		making reports to 4706th Defense Wing. (Sparks; BB				
		files)				
	1	1 /				1

659.		July 12, 1952. Arlington Heights, Illinois. 9:04 p.m. (CDT). USAF pilot Capt. Robert W. Casey, Jr., of F-86	20 secs	2	1/10 to 1/4	unexplaine d radio
		fighter leading flight of 2 F-86's, with wingman 1st Lt.				message;
		Richard C. Panter, both with 62nd FI Sq, 4706th Defense				radar?
		Wing, O'Hare AFB, Chicago, leveled out of a right turn,				
		heading 200° at 18,000-19,000 ft, saw an oblong yellowish lighted object larger than a fighter but smaller than a C-54				
		[thus about 100 ft] with a trail separated from main object				
		and 1-1/2 its length, flying in a straight course heading				
		240° about 20 miles away estimated at 15 miles S of Elgin				
		at 22,000 ft traveling 700 knots, passed from port (left) to				
		starboard (right) side of jet. F-86 turned slightly to the				
		right [to 240° heading] to pursue UFO at max speed [700				
		mph] but object pulled away. Both pilots heard a strange				
		radio transmission on their restricted "Foxtrot" comm channel (133.20 MHz) during the pursuit saying the name				
		of the lead pursuit pilot, "Casey" in "ethereal" "ghost-like"				
		"monotone." Foxtrot channel only monitored by Casey's				
		own unit, 62nd FIS, and by two fighter squadrons at Truax				
		AFB, Wisc. Apparently this was a prank by Casey's				
		fighter pilot buddies at the 62nd evidently monitoring his				
		channel, though later officially denied by the 62nd.				
		Numerous long-duration level-flight fireball-like sightings				
660.		over Illinois-Ohio. (Sparks; Project 1947; BB files) July 12, 1952. Near Greenfield, Indiana. 9:05 p.m.		2+?		
000.		American Airlines Flight 395 Convair pilot and copilot		21!		
		saw an object paralleling the plane heading 300° then				
		dropping down 15°. (Sparks; BB files; Project 1947)				
661.		July 12, 1952. SE edge of Dayton, Ohio. 9:13 p.m.	20 secs	2		
		(EST). USAF pilots of 2 F-86's flying at 20,000 ft heading				
		180° at 250 knots, Capt. Clifford Winters and 1st Lt. A.				
		W. Sanders, both with 97th FI Sq, Wright-Patterson AFB,				
		Dayton, saw 2 extremely brilliant round white lights hovering at 21,000 ft about 2 miles away to their 2 o'clock				
		position which then disappeared like "somebody turned				
		out a light." (Sparks; BB files; Project 1947)				
662.	1436	July 12, 1952. Kirksville, Missouri (at 40°17'54"N,	ca 2 mins	14+		radar-only
		92°34'20"W). 9:00 + 9:15 + 9:20 + 9:30 +11:04 + 11:07	each			(scope
		p.m. (CST). Many FPS-10 radar controllers at 790th				photos)
		AC&W Sq tracked large radar blips at 1,500+ knots				
		(>1,700 mph) to 4,800 knots (5,600 mph) [actual speeds				
		about 5,000 to 6,000 mph in all 6 tracks] inbound and				
		outbound on nearly identical azimuths in about the 100-250 mile range [probably Vertical-Lower beam of FPS-				
		10], none crossing to other side of scope, classic				
		interference pattern. No visual sighting, or other				
		confirmation of targets by other radars [apparently not				
		even by the other component radars within the FPS-10				
		operating on different frequencies, such as the Slant-				
		Lower beam which would have given height data, none				
		reported]. Radar targets registered only every other sweep				
		(every 30 secs of the 4 RPM sweep rate) suggesting interference by a 2 or 6 RPM sweep rate radar. IFO non-				
		real objects. (Sparks; Berliner; BB files)				
	I	Tour cojecto. (oparko, Dermier, DD mes)	L		ļ	

663.		July 13, 1952. 60 miles SW of Washington, D.C. 4 a.m.		2+?		
		(EDT). National Airline Flight 611 Capt. William Bruen				
		piloting airliner heading N from Jacksonville, Flor., saw				
		round ball of bluish-white light hovering to the W then				
		ascend to airliner altitude of 11,000 ft, then parallel course				
		off left wing at about 2 miles distance, took off upwards				
		at 1,000 mph when Bruen turned on all aircraft lights.				
		(Sparks; Hynek UFO Rpt pp. 90-91; NARCAP)				
664.	1444	July 14, 1952. 20-25 miles N of Norfolk, Virginia. 9:12	12 secs	2 + 7?	2	
004.	1444	p.m. (EDT). Pan American Airways FO William B. Nash,	12 8008	2 1 7 !	2	
		Second Officer William H. Fortenberry, in a DC-4 airliner				
		at 8,000 ft heading 200° magnetic, sighted a total of 8				
		large, round, glowing red coin-shaped objects, 100 ft				
		diameter 15 ft thick, maneuvering in two groups of 3 then				
		joined slightly after by another 2. Objects approached				
		headon at high speed estimated at about 12,000 [27,000]				
		mph at about 2,000 ft altitude [about 2° depression angle]				
		silhouetted against the ground, to a position almost				
		directly below their airliner, in a stack formation then				
		suddenly making a 150° hairpin turn like balls bouncing				
		off a wall, joined by 2 more identical but much brighter				
		red objects which came from behind on the right under the				
		aircraft at about the same 2,000 ft altitude as the first 6				
		objects joining formation by falling in behind, all				
		silhouetted against the black background of bay water,				
		with one moment when all 8 objects blacked out then				
		reappeared. At about 10 miles S of Newport News objects				
		ascended as a group in fixed formation in an arc to the				
		right towards Newport News to about 10,000 ft altitude				
		[about 0.4° above level or about 2° above horizon line] out				
		to disappearance by blinking out randomly, after covering				
		a total distance of roughly 90 miles from start to finish (35				
		miles on approach, 55 miles to departure). Possibly 7				
		ground observers. (Sparks; McDonald; Tom Tulien;				
665.		Joel Carpenter; etc.)		20		
003.		July 15 [16?], 1952. 20 miles S of McChord AFB, Wash.		2?		
		12:50 [7:50?] a.m. (PDT). USAF pilots of 2 fighters from				
		318th FI Sq saw a strange object with red and green lights				
		slowly rolling between the aircraft. (Sparks; Project				
		1947)				
666.	1451	July 15, 1952. West Palm Beach, Florida. 10:10 p.m. J.	40-60	3		
		Antoneff and 2 others saw a discus-shaped object, greyish,	secs +?			
		except when hovering, when it appeared muddy. Hovered				
		over Palm Beach International Airport, then followed an				
		SA-16 twin-engined amphibious aircraft and flew away.				
		(Sparks; Berliner)				
667.		July 16, 1952. Hampton Roads, Virginia. 8 p.m. NACA				NACA
		aeronautical engineer Paul R. Hill saw 2 amber-colored				aero
		objects approach fro the S, turn W, reach overhead, begin				engineer
		a maneuver to relove around a common center, change to a				
		vertical plane [?] after a few orbits, were joined by 2 more				
		objects and flew off to the S. (Sparks; McDonald list;				
		Tom Tulien)				
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668.	1501	July 16, 1952. Beverly, Mass. 9:35 a.m. U.S. Coast Guard photographer Seaman Shell R. Alpert saw several bright lights through a window screen (no glass) from his position inside the air station photo lab while cleaning a camera, watched them for 5-6 secs, called out to another Coast Guardsman, Hospitalman 1st Class Thomas E. Flaherty from sick bay to see. Objects dimmed then brightened suddenly, Alpert grabbed a camera and filmed 4 roughly elliptical irregular blobs of light in formation through the screen, on Super XX cut film 4 x 5 inch format, lens set at infinity, aperture f/4.7, 1/30 sec exposure. (Sparks; Berliner; etc.)	5-6+ secs	2	photo
669.	1502	July 17, 1952. White Plains, New York. 3:10 p.m. Mrs. Florence Daley saw 2 round objects, bluish-white with brighter rims, fly in formation, making a sound like bombers, only softer (witness later said she heard many feminine voices coming from the objects). (Sparks; Berliner)		1	
670.	1476	July 18 [17?], 1952. Lockbourne, Ohio. 9:10 p.m. T/Sgt. Mahone and A/3c Jennings saw an amber-colored, elliptical-shaped object with a small flame at the rear, periodically increasing in brightness, move very fast giving off a resonant beat sound. (Sparks; Berliner)	1-1/2 mins	2	
671.	1479	July 17, 1952. Rapid City, South Dakota. Military (USAF?) witness(es).			
672.	1482	July 18 [17?], 1952. Lockbourne AFB, Ohio. 11 a.m. Air National Guard employees saw a light like a big star that disappeared when an aircraft approached. Also seen the night[s?] of July 20, 22 and 23. (Sparks; Berliner)	3 hrs	multi ple	
673.	1483	July 18, 1952. Miami, Florida. 11 a.m. E. R. Raymer and daughter saw an opaque, silvery bubble fly very fast at a right-angle to the wind direction. (Sparks; Berliner)	10 secs	2	
674.	1485	July 18, 1952. Patrick AFB, Florida. 9:45 [10:45?] p.m. (EST). 3 USAF officers and 4 enlisted men saw a series of hovering and maneuvering red-orange lights moving in a variety of directions. (Sparks; BB Status Report 8, Dec 1952, p. 26; Berliner; Saunders/FUFOR Index)	1 hr	7	
675.		July 19, 1952. Centerville, Va. 12 midnight. Part-time farmer Constatine (Constantine?) and hired hand Davis saw 2 cigar-shaped objects, one hovering the other moving to the E then come back, both ascending vertically until disappearing. Both objects transparent (translucent?), lit from within, and emitted an exhaust from one end. Object shapes possibly more like elongated footballs. (Sparks; Battelle Unknown No. 4; BB Index Maxwell Microfilm Roll 2, p. 293)	3-4 mins	2	
676.	1492	July 19, 1952. Williston, North Dakota. 2:55 a.m. Experienced civilian pilot saw an elliptical-shaped object with a light fringe, descend fast, make a 360° then a 180° turn. (Sparks; Berliner)	5 mins	1	
677.	1494	July 19, 1952. Elkins Park, Penna. 11:35 p.m. USAF pilot Capt. C. J. Powley and wife saw 2 star-like lights maneuver, hover and speed. (Sparks; Berliner)	5-7 mins	2	
678.		July 19-20, 1952. Andrews AFB and Washington National Airport, Washington, D.C. 11:40 p.m6 a.m. (EDT). Numerous visual, radar and radar-visual sightings by ground observers and pilots in the air. (Sparks)	6 hrs 20 mins	many	RV

679.	1504	July 20, 1952. Lavalette, New Jersey; yacht at 40°N, 75°W (Delaware River near Philadelphia) and Elk Park, Penna. 12:20-12:25 a.m. 3 independent groups of witnesses, including Seton Hall Univ. chemistry professor Dr. A. B. Spooner, saw 2 large orange-yellow lights with some dull red color fly in trail, turn and circle observers. First seen to the S at about 40° elevation, then E, N, W, and S again but at elevation 80°. Stellar magnitude about -3 to -5. AF pilot in Elk Park estimated 10°/min angular velocity accelerating up to 2°/sec. No sound. (Sparks;	5-6 mins	10	1/2 ?	Seton Hall Univ Chem Prof
		Hynek UFO Rpt pp. 73-77)				
680.		July 21, 1952. Dobbins AFB, Georgia. (Sparks; McDonald list)				
681.	1514	July 21, 1952. Wiesbaden, West Germany (50° 5' N, 8°15' E). 6:30 p.m. USAF pilot Capt. E. E. Dougher and	10-15 mins	2		
		WAF Lt. J. J. Stong, separated by miles saw 4 bright yellowish lights, seen by Dougher to separate, with 2 climbing and 2 flying away level in the opposite direction. Stong saw 2 reddish lights fly in opposite directions. (Sparks; Berliner)				
682.	1522	July 21, 1952. Randolph AFB - Converse, Texas. 4:30 p.m. Wife of USAF Capt. J. B. Neal saw an elongated, fuselage-shaped object fly straight and level, make a right-angle turn, fly out of sight at 300+ mph. (Sparks; Berliner)	3-5 secs	1		
683.	1533	July 21 [22?], 1952. Rockville, Indiana. 8:10 p.m. Military officer and 2 enlisted men saw an aluminum, delta-shaped object with vertical fin, fly straight and level, then hover. (Sparks; Berliner)	3 min	3		
684.	1516	July 21, 1952. San Marcos AFB, Texas. 10:40 p.m. Lt., 2 Staff Sgts. and 3 Airmen saw a blue circle with a blue trail hover then accelerate to near-sonic speed (700+ mph) after 1 min. (Sparks; Berliner)	1 min	6		
685.	1524	July 21 [22?], 1952. Holyoke, Mass. After midnight. Mrs. A. Burgess saw a round, yellow, flashing light fly downward. No further information in files. (Sparks; Berliner)				
686.	1538	July 22, 1952. Los Alamos, New Mexico. 10:50 [11:05] a.m. Control tower operator Don R. Wiens and 2 CARCO pilots, Jack E. Chinn and F, Dew, and fireman I. V. Rowland, saw 8-10 large, round or bell-shaped, bright aluminum objects fly straight and level, then dart around erratically. First overhead then headed SW where one object disappeared into or behind a cumulus cloud about 10-15 miles away over James Mtns. (Sparks; Berliner; BB Maxwell Microfilm Roll 12, pp. 1012-6, etc., Misc Roll 1, pp. 506-8)	25 mins	4		binoculars
687.	1654	July 22 [?], 1952. Stafford, Virginia. 12 p.m. USAF pilot of C-54 transport saw a bright ovoid object hover then move in stops and starts, first approaching the plane then paralleling it. (Sparks; Berliner; Loren Gross)				
688.		July 22, 1952. Brookley AFB (30°40' N, 88° 5' W), Mobile, Alabama. 2 p.m. USAF Tech Sgt. and a civilian employee saw a barrel-shaped black object 3.5-4 ft diameter, emitting black smoke trail and a black puff of smoke flying about 5,000 ft above ground 1 mile away heading E then flying "perpendicular" (vertical?). (Sparks; Hynek-CUFOS-Willy Smith files)	2 mins	2	1/15	

689.	1536	July 22, 1952. Uvalde, Texas. 2:46 p.m. Don Epperly, Trans Texas Airlines station manager and weather observer, saw a large, round, silver object fly at 1,000+ mph while gyrating. (Sparks; Berliner)	45 secs	1	
690.		July 22, 1952. 12 miles E of Peterson Field, Colo. 6:45 p.m. USAF ADC personnel in Cessna 140 and the pilot saw a round silver object disappear into clouds. (Sparks; Project 1947)		sever al	
691.	1556	July 22, 1952. Near Braintree, bet. Boston and Provincetown, Mass. (at 42°10' N, 71°01' W) 8:47 p.m. (EST) [?]. USAF F-94 with pilot Lt George N. Leitner and radar observer Lt Wintford L. Bazzell [sp??] intercepted for 24 mins white blinking or flashing light with something hanging below with a cord [like a balloon?] slowly ascending from 12,000 to 22,000 ft while F-94 orbited in an attempt to identify object, then object descended from 22,000 to 8,000 ft where it was lost in undercast. Closest range 200 yards [determined by airborne radar?]. [Same or different?] F-94 intercepted 2 objects with flickering white light and swishing circling blue light which passed the jet, with airborne radar tracking and ground visual observation. [See cases below.] (Sparks; BB files; Berliner; cf. Weinstein)	24 mins	2	RV?

692.	1556	July 22, 1952. Near Braintree, bet. Boston and	10 mins	6+?	RV ?
092.	1330	Provincetown, Mass. (at 42°10' N, 71°01' W) [?]. 10:20-	+ 11+	0 1 1	IX V :
		10:30 p.m. (EST). 3 F-94 crews at 15,000 ft, all 5 men	mins?		
			IIIIIS ?		
		aboard saw a large round spinning white flickering object			
		at estimated 26,000 ft throwing off a swishing circling			
		blue light, or considered to be 2 objects. One F-94			
		climbed to 35,000 ft at 250 knots with afterburner obtained			
		radar contact for about 1 min at 10:47 p.m.			
		Lt. Emil Lemieux and radar operator Lt Richard A.			
		Schaffer of F-94B jet interceptor at 10:20 p.m., at 42°10'			
		N, 71° W, heading 90° at 200 knots at 20,000 ft sighted			
		object at same height or slightly higher on the left heading			
		270°, which passed at about 1 mile distance. F-94 made			
		180° turn to pursue and kicked in afterburner, but UFO			
		also made 180° turn and passed immediately above F-94			
		when it was seen to be a large white spinning object			
		throwing off a blue light. F-94 went into extremely loose			
		Lufbery ("Luftberry") defensive air combat maneuver, but			
		UFO was above and flying faster and climbed and turned			
		out of sight (at 38,000 ft?) at 10:30 p.m. Lt Schaffer			
		unable to detect object on APG-33 radar.			
		dilable to detect object on Ai G-33 ladar.			
		U.S. Weather Bureau Observer Guy M. Bailey at Balloon			
		Observation Tower, Logan Airport, Boston, tracked object			
		at estimated 7-10+ miles distance by theodolite from 10:15			
		to 10:26 p.m. (EST) remaining at relatively constant			
		elevation 22° and moving 22° arc from azimuth 118° to			
		140° at about 25,000 ft climbing to 35,000 ft, changing			
		color from bluish-white to red when decelerating then			
		back to bluish-white when extremely rapidly accelerating,			
		making 3 separate 360° elliptical circling movements near			
		pibal balloon at about 200 mph between 20.0° to 20.5° and			
		23.0° elevation and between 118° and 130° azimuth. Not			
		visible with naked eye, first seen while tracking weather			
		balloon using theodolite telescope, and had to abandon			
		UFO to continue weather duties. Single object consisted			
		of 4 small red and green rounded-rectangular lights at			
		times completely enveloped by single bkuish-white light			
		brighter that +1 magnitude star. [See previous cases			
		above, next case below, and July 23 case.] (Sparks; BB &			
		AFOSI files; Berliner; cf. Weinstein)			
	l	711 ODI 11100, Dellinet, Cl. Wellistelli)			

693.	1556	July 22, 1952. Quincy, Mass. (42° N, 71° W). From	7-8 mins	9 + 2	RV ?
093.	1330	10:45 to 10:48 p.m. (EST) Officer of the Day, Navy Lt	+ 24	9 2	IX V :
		Cdr W. J. Adams, with Marine Air Detachment S/Sgt	mins?	1	
		Anthony Di Nallo, at Squantum Naval Air Station, Quincy	1111115 !		
		(and Navy Seaman Rolf Hellum 1 mile to S and possibly			
		1-2 other base personnel) received calls from 6 civilians in			
		area (total duration 7-8 mins apparently beginning about			
		10:40 p.m.) then looked and saw 2 blue-green lights			
		brighter than magnitude +1 stars maneuvering and passing			
		over base, possibly at 800-900 mph at 40,000 to 50,000 ft,			
		first seen in SE at 45° elevation then moved directly			
		overhead [90°] reversed course back to SE to 45° elevation			
		without noticeable turning, then again passed overhead			
		this making wide arc to NE without changing altitude.			
		Not dimmed by distance, disappeared suddenly as if			
		switched turned off one light then the other at 10:48 p.m.			
		(EST).			
		At 10.47 mm (EST) 2md LIEO sighting by LICAE milet I t			
		At 10:47 p.m. (EST) 2nd UFO sighting by USAF pilot Lt			
		Charles R. Hearn and radar observer Lt Charles E. West in			
		F-94B jet fighter at 35,000 ft and 210 knots IAS heading			
		180° (at 42°10' N, 71° W) sighted green object with visual			
		for about 30 secs then pilot kept eyes on instrument panel,			
		kicked in afterburner to chase, got airborne radar tracking			
		of F-94-sized target for 4 mins starting at about 10,000 to			
		12,000 yards range (about 6-7 mi) with 50 knot closure			
		rate keeping UFO at 5° high and 5° to left then got radar			
		lockon but at 3,000 yards (about 2 mi) UFO broke lock			
		with hard right downward turn and disappeared. [See			
		previous cases above, next case below, and July 23 case.]			
		(Sparks; BB & AFOSI files; Berliner; cf. Weinstein)			

694.		July 22, 1952. MacDill AFB, Florida. 10:30 p.m. (EST).	1-3/4 hrs	10+		RV
094.		MacDill AFB air traffic control tower operator sighted for	1-3/4 1118	10+		ΚV
		½ hour a red-greenish-blue object to the WSW at about				
		45° elevation with 2 other [similar?] objects to the N of it,				
		smaller and/or farther away and lower in elevation angle				
		(?). Tower operator sighted another object to the SSE				
		about 30° elevation at 11:30 p.m. MacDill AFB				
		Detachment 21, 3944th Radar Bomb-scoring Sq (RBS),				
		radar tracked object at 12:03 a.m. (July 23) at azimuth				
		160° range 65,000 yards (37 mi) at 41,200 ft altitude on a				
		heading of 310° True [almost directly towards MacDill				
		AFB] speed 462 knots [532 mph]. Tampa Radar Bomb-				
		scoring Sq also tracked object at 160° azimuth [about				
		SSE] altitude 41,000 ft [reportedly, in 1998 account, Navy				
		and CAA radars also tracked object]. At 12:08 a.m. USAF				
		pilot and copilot of B-29 bomber with 364th Bomb Sq on				
		landing approach were vectored by MacDill tower				
		operator to investigate, saw high speed object at 40,000 ft				
		heading towards MacDill AFB on a heading of 308°				
		traveling faster than the B-29. 4 airmen at MacDill AFB				
		radar site sighted object as it passed close [nearly				
		overhead?]. (According to 1998 report of B-29 pilot, an				
		AF Lt Col, they were flying at 20,000 ft; the B-29 fire				
		control radar locked on to object at 40,000 ft and prepared				
		to fire when UFO changed course and disappeared at				
		4,000 knots speed.) MacDill RBS lost object on radar at				
		range 145,000 yards [82 mi] azimuth 310° (about NW) [at				
		about 12:15 a.m.]. Civilians near base sighted object(s)				
		visually. (Sparks; Robert Klinn; Project 1947;				
695.	1572	McDonald list; BB files; NICAP; NUFORC) July 22-23, 1952. Trenton, New Jersey. 10:50 p.m	2 hrs + 2	sever		RV
093.	13/2	12:45, 1:28-3:47 a.m. Crews of several USAF F-94 jet	hrs	al		ICV
		interceptors from Dover AFB, Del., made 13 visual	1115	ui		
		sightings and one radar tracking of blue-white [orange?]				
		lights. White, green and blue lights were seen by ground				
		observers and F-94 pilots moving in arcs and blinking out				
		suddenly. F-94 crew got radar lockon at 30,000 ft away of				
		object the size of an F-94, at 9,000 ft away the object made				
		a sharp right turn, suddenly dropped in height and				
		disappeared. Other sightings in the Dover-Trenton area.				
		(Sparks; Berliner; Loren Gross)				
696.		July 23, 1952. Near Boston, Mass. 1:15-1:18 a.m. (EST).	3 mins	1	1/6 to 1/3	
			5 1111115			
1		Watch duty CG Seaman Henry Arnpriester, Nahant Coast			?	
		Guard Station, sighted 2 bluish flat disc-shaped objects			?	
		Guard Station, sighted 2 bluish flat disc-shaped objects side-by-side estimated 5 ft in diameter (at 1,100 to 2,000 ft	o mino		?	
		Guard Station, sighted 2 bluish flat disc-shaped objects side-by-side estimated 5 ft in diameter (at 1,100 to 2,000 ft altitude?) in the SE at about 45° elevation descending and			?	
		Guard Station, sighted 2 bluish flat disc-shaped objects side-by-side estimated 5 ft in diameter (at 1,100 to 2,000 ft altitude?) in the SE at about 45° elevation descending and headed NW towards him until reaching distance of about			?	
		Guard Station, sighted 2 bluish flat disc-shaped objects side-by-side estimated 5 ft in diameter (at 1,100 to 2,000 ft altitude?) in the SE at about 45° elevation descending and headed NW towards him until reaching distance of about 1-1/2 miles when suddenly reversed direction like "a ball			?	
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698.		July 23, 1952. E of Misawa AFB, Japan. 8:20 p.m. USAF pilot flying F-94 jet fighter chased blue-green fireball. (Sparks; Weinstein)		2?		
699.	1554	July 23, 1952. Pottstown, Penna. 8:40 a.m. 2-man crews of 3 USAF F-94 jet on training mission saw a large silver object 50-300 ft in size, shaped like a long pear with 2-3 squares beneath it, flying at 150-180 knots (170-210 mph) headed W, while a smaller object, delta-shaped or swept back, flew around it at 1,000-1,500 knots (1,150-1,700 mph) for 1-4 mins. Possible Skyhook balloon. (Sparks; BB Maxwell files, roll 12, pp. 1173-1175; Berliner)	35-40 mins	6		
700.	1567	July 23, 1952. Altoona, Penna. 12:50 p.m. 2-man crews of 2 USAF F-94 jet interceptors at 35,000-46,000 ft altitude saw 3 cylindrical objects in a vertical stack formation fly at an altitude of 50,000-80,000 ft. (Sparks; Berliner)	20 mins	4		
701.	1578	July 23, 1952. South Bend, Indiana. 11:35 p.m. USAF pilot Capt. H. W. Kloth saw 2 bright blue-white objects flying together, then the rear one veered off. (Sparks; Berliner)	9 mins	1		
702.	1584	July 24, 1952. Carson Sink, Nevada. 3:40 p.m. (MST). USAF HQ Directorate of Operations Lt. Cols. John L. McGinn (Deputy of Ops, Fighter Br) and John R. Barton (AFOOP-OP-D) flying E in a B-25 bomber at 11,000 ft and 185 knots airspeed saw 3 silver white, delta-shaped or arrowhead-shaped objects at their 1 o'clock position slightly larger than the size of F-86's (40 ft), each with a ridge along the top, in V-formation, cross in front of and above the B-25 from right to left (S to N) at about 1,200 to 2,400 ft away at about 1,800+ mph. (Sparks; Berliner; NARCAP; cf. Ruppelt pp. 10-1; NICAP)	3-4 secs	2	2 - 4	
703.	1588	July 24, 1952. Travis AFB, Calif. (Sparks; NARA)				
704.		July 25, 1952. Elmendorf AFB, Alaska. (Saunders/FUFOR Index)				radar
705.		July 25, 1952. Wilmington, Delaware. Afternoon. VA employee saw 2 discs reflecting light in a climb.		1		
706.		July 26, 1952. Hampton, and bet. Newport News and Langley AFB, Virginia. 12:15-12:45? a.m. Ground observers saw a brilliant luminous alternately bright silver, red and green object hovering over the James River Bridge at about 1,500 ft for 1/2 hour, then ascend towards the E where seen by Langley AFB tower. USAF crews of 2 F-94's and ground observers saw 4 round silver/bluish objects in V-formation shoot straight up and disappear at 5,000 ft, one tracked by USN ground radar at Norfolk and by airborne radars. (Sparks; Weinstein; Project 1947? Condon project?)				RV ground and air radars
707.	1628	July 26, 1952. Kansas City, Missouri. 12:15 a.m. USAF Capt. H. A. Stone, men in control towers at Fairfax Field and Municipal Airport, saw a greenish light with redorange flashes descend in the NW from 40° to 10° elevation. (Sparks; Berliner)	1 hr	3+		
708.	1637	July 26, 1952. Kirtland AFB, New Mexico. 12:05 a.m. Airman 1st Class J. M. Donaldson saw 8-10 orange balls in triangular or V-formation flying fast. (Sparks; Berliner)	3-4 secs	1		

709.	1732	July 26, 1952. Langley AFB, Virginia. 2:30 p.m. USAF Capt Daniel G. Moore, military air traffic controller with 1909-7 AACS Detachment, and Tech Sgt. Edward N. Rosner [Roaner?], tracked on MPN-1C radar an unidentified object from about 15 miles [probably NM] S to disappearance 8 miles [probably NM] S of site, speed about 2,600 mph [7 mi in 0.2 min is 2,100 knots or 2,400 mph], below 5,000 ft altitude, headed towards the air base. Duration of 2 mins in report must be typo for 0.2 min. No visual. Possible radar interference (high-speed target moving radially inward towards radar not crossing center of scope). See similar case below. (Sparks; Berliner; Randle; NICAP)	0.2 min	2	radar
710.		July 26, 1952. Langley AFB, Virginia. 2:50 p.m. Capt Daniel G. Moore, military air traffic controller with 1909-7 AACS Detachment, and Gilfillan electronics technician William Yhope [Thorpe?] tracked a radar target moving E away from radar site at an unstated initial distance [possibly 8 NM if like case above], stopping for 2 mins [probably 0.2 min] at 12 miles [probably NM] E, again moving extremely fast, speed not estimated, disappearing at 15 miles [probably NM] E. Possible radar interference (high-speed target moving radially outward away from radar not having crossed center of scope). See similar case above. (Sparks; Berliner; NICAP)	4 mins ? [0.4 min??]	2	radar
711.	missi ng	July 26, 1952. Williams, Calif. 5:15 p.m. (PST). Case file missing. (Sparks; Randle) [N Calif. F-94C intercept case involving large orange-yellow object moving fast and slow, tracked by airborne and ground radars?? (Weinstein)]		[3?]	RV ground and air radars
712.		July 26, 1952. Plainview, Texas. 7:17 p.m. USAF pilot and copilot of T-33 saw a stationary object move in a slight descent changing color from white to blue. (Sparks; Project 1947)		2	
713.		July 26, 1952. Atlantic 200 miles S of New York City, New York. 8:30 p.m. USAF B-29 gunner, 301st Bomb Wing, saw 3 amber edged [?] white flashing objects traveling at Mach 1. (Sparks; Project 1947)		1	
714.		July 26, 1952. Florence, South Carolina. 10:04 [10:10?] p.m. Eastern Airlines Flight 606 Constellation pilot and 2 crew members saw a steady white light traveling at high speed in a straight line at 22,000 ft. (Sparks; Project 1947)		3	
715.	1661	July 26-27, 1952. Andrews AFB and Washington National Airport, Wash., D.C. 8 p.m. [9:50? p.m. EDT] until after 12 midnight [1:00? a.m. EDT]. Radar operators at several airports, airline and F-94 fighter pilots, sighted and tracked many unidentified blips and/or lights all over Washington area, at varying speeds. (Sparks; Berliner)	3 hrs 10 mins	20+	RV
716.	1664	July 27, 1952. Wilmington, Delaware. 7 p.m. (EDT)?). James R. Thomas saw a cylindrical object with domed top and bottom moving NW to SE in an upright position, disappearing suddenly. (NARA; NICAP)	90 secs	1?	
717.		July 27, 1952. 10 miles SSW of Columbus, Ohio. 12:05 a.m. USAF pilot of B-25 with 3 Pentagon Colonels on board saw a white light with 4 flashing lights stationary then move. (Sparks; Project 1947)		4	

718.	1680	July 27, 1952. Selfridge AFB, Mich. 10:05 a.m. 3 B-29 bomber crewmen on ground saw many round, white objects fly straight and level, very fast. Two at 10:05, one each at 10:10, 10:15, 10:20. [Possible Exercise SIGNPOST SAC B-36's from Carswell AFB en route to simulated attack run on Detroit, Mich.??] (Sparks; Berliner)	4 x 30 secs	3		
719.	1684	July 27, 1952. Wichita Falls, Texas. 8:30 p.m. Mr. and Mrs. Adrian Ellis saw 2 disc-shaped objects, illuminated by a phosphorus light, fly at an estimated 1,000 mph. [Possible returning B-36's of Exercise SIGNPOST??] (Sparks; Berliner)	15 secs			
720.		July 27, 1952. Manhattan Beach, Calif. (Saunders/FUFOR Index)				
721.	1708	July 28, 1952. McChord AFB, Wash. 2:15 a.m. T/Sgt. Walstead and S/Sgt. Calkins of the 635th AC&W Sq ADC radar site saw a dull, glowing, blue-green ball, size of a dime at arms' length, fly very fast, straight and level. (Sparks; Berliner)		2	2	radar? RV?
722. 723.	1707	July 28, 1952. Hallock, Minn. (Saunders/FUFOR Index) July 28, 1952. McGuire AFB, New Jersey. 6 a.m. GCA radar operator M/Sgt. W. F. Dees, and persons in the base control tower. Radar tracked a large cluster of very distinct blips. Visual observation was of oblong objects having neither wings nor tail, which made a very fast turn, at one time in echelon formation. (Sparks; Berliner)	55 mins	3+		RV
724.	1700	July 28, 1952. Heidelberg, West Germany (49°25' N, 8°42' E). 10:20 p.m. Sgt. B. C. Grassmoen and WAC PFC A.P. Turner saw a saucer-shaped object having appearance of light metal giving off shafts of white light, flying slow, make 90° turn and climb away fast. (Sparks; Berliner)	4-5 mins	2		

725.	July 28-29, 1952. 20 miles W of Port Huron, Mich (at	20 mins	3+	RV
723.	43.0° N, 82.8° W). 9:40-10 p.m. (EST). One of 3 USAF	20 111113	٦,	ΙζΥ
	F-94B's on an ECM exercise at 9,000-9,500 ft from 61st			
	FIS at Selfridge AFB climbed to 20,000 ft on a 270°			
	heading when it was vectored to a UFO headed S [or SE?]			
	at 625 mph from Saginaw Bay by a GCI air defense radar			
	(callsign "Avenger") [tracked for about 7 mins evidently].			
	Ground radar told pilot Capt. Edward J. Slowinski (Sloan)			
	to look at his 3 o'clock low position for a target (to the N),			
	but nothing was found, then told to look at 3 o'clock high			
	(radar man remembered being told "low" then "high,"			
	pilot said he was told "high" then 'low"). F-94 turned			
	right to pursue. Object suddenly reversed course with a			
	tight 180° turn back N on ground radar scope [evidently at			
	300 mph to match F-94's speed, in a visible loop on the			
	radar scope on a right turn paralleling the F-94's right turn			
	but tighter]. As the F-94 continued right turn, radar			
	observer Lt. Victor Helfenbein picked up target at 4 miles			
	range on APG-33 airborne radar, level with jet altitude, at			
	60° relative or 2 o'clock (about 330° to 360° azimuth			
	depending on how far into the turn) (pilot said Helfenbein			
	reported 2:30 o'clock). Airborne radar contact made [for			
	possibly 20 secs during the turn] then at dead ahead 12			
	o'clock position radar got lockon for 30 secs until target			
	"jumped lock" when it apparently almost doubled its 4-			
	mile [or 4-5 mi] distance in one sweep of the ground radar			
	accelerating to 1,400 mph average speed [4-mile jump in			
	10-sec sweep of radar, thus reaching peak 2,600 mph at			
	about 20 g's]. Jet briefly put on afterburner to try to close			
	distance with object on 360° heading at 21,000 ft			
	increasing speed with afterburner to about 350 knots IAS			
	(about 490 knots TAS or 560 mph) [for about 5 mins?],			
	but object would put on a burst of speed and pull away			
	from the jet. F-94 pilot first saw multiple lights ahead as if			
	from a jet aircraft, but no exhaust or trail, and followed the			
	GCI vectoring to target ahead between 12 o'clock and 1			
	o'clock positions. Object appeared "many times larger			
	than a star" then "took on a reddish tinge, and slowly			
	began to get smaller, as if it were moving away," and			
	changed color from reddish then bluish-green then white			
	then red again in sequence (both crewmembers in			
	agreement) low on the horizon to the N (possibly the star			
	Capella and unrelated to radar target, though Helfenbein			
	was an expert celestial navigator since 1943 with 1,400			
	flying hours and had never seen anything "like this			
	before"). F-94 continued N heading [for about 5 mins] at			
	about 300 mph as object maintained lead at 6-10 miles			
	range, with GCI telling F-94 crew they were not gaining			
	on the target on scope. Chase ended with F-94 about 5			
	miles N of peninsula at Burnt Cabin Point (at 44°10' N,			
	82°45'W) having to return because of low fuel, object then			
	slowed to 200-300 mph before disappearing after another			
	1-2 mins. (Sparks; McDonald 1968; McDonald papers;			
	Mary Castner/CUFOS; Loren Gross July 21-31, 1952			
	SUPP pp. 71-77; Ruppelt pp. 171-172, 190; BB Status			
	Rpt 8, pp. 27-28, in NARA Microfilm Roll 85, p. 701-2,			
	Maxwell Roll 1, pp. 674-5; Todd Lemire)	l		

726.	1731	July 29, 1952. Osceola, Wisc. 1:30 a.m. Radar operators on ground and pilot of F-51 Mustang in flight. Several clusters of up to 10 small radar targets and one large target. Small targets moved from SW to E at 50-60 knots (60-70 mph), following each other. Large target moved at 600 knots (700 mph). Pilot confirmed one target. (Sparks; Berline)	1 hr	3+		RV (scope photos in Steiger book)
727.		July 29, 1952. Walker AFB, Roswell, New Mexico. 4 weather observers including base weather officer sighted several high-speed discs through theodolite. (Sparks; Hynek UFO Rpt. pp. 114-5)		4		theodolite
728.		July 29, 1952. Los Alamos, New Mexico. 9:49 a.m. (MST). Several Los Alamos Scientific Lab employees, AESS guards and pilots on ground saw white or metallic object moving E to W to the N of the Los Alamos landing field, about 1.8°/sec [18°/min?] angular velocity, with gyrating or fluttering motion. 2 F-86 jet interceptors from Kirtland AFB already in air were diverted and arrived about 3 mins later at 40,000 ft, object was in front of F-86's but was not seen by pilots, the UFO disappeared then reappeared having made 360° trailing behind fighters for 2 mins, then disappeared again. At 9:57 [10:57?] a.m. lightbrown or white egg-shaped object with wings was sighted hovering then shot off to the NW disappearing in 3 secs. (Sparks; Hynek UFO Rpt pp. 61-64; BB Misc Microfilm Roll 1, pp. 506-8; BB Status Report 8, Dec 1952, p. 29; etc.)	3-5 + 2 mins	7+	1/10 + ?	field glasses
729.	1739	July 29, 1952. Wichita, Kansas. 12:35 p.m. USAF shop employees Douglas and Hess at Municipal Airport saw a bright white circular object with a flat bottom fly very fast then hover 10-15 secs over the Cessna Aircraft Co. plant. (Sparks; Berliner)	5 min	2		

730.	1747	July 29, 1952. 8 mi S of Ennis, Montana (at 45°14' N, 111°40.7' W, elev. 5300 ft). Between 2 and 3 p.m. (MST). US Army (res.) Maj. Ben Shaffer with wife and 3 children sighted and filmed objects with Bell & Howell color movie camera and Kodak Retina b&w still camera, and sighted with 8x binoculars, for 30+ mins between 3 and 4 p.m. (MST). Shaffer saw an object hovering about 1,000 ft over a mountain or hills [to the E] about 3-4 [7?] miles away, reportedly at 45°13' N, 111°32' W [Cedar Mtn, elev. 10,718 ft], while driving N, stopped the car, and stoped two other cars, for a total of about 12 witnesses, one of whom used 50x binoculars. The object formed a cloud around itself, then three smaller disc-like objects possibly jet fighter-sized (50 ft) burst out of the cloud from different angles at about 200 mph, forming an arc then disappeared. Another 5 small objects appeared on the right side of the cloud in V formation traveling slowly, then each of the small objects formed clouds around themselves, then re-entered the large cloud one behind the other. No other clouds in the sky. Near end of Shaffer's sighting another cloud suddenly appeared to the left of highway about 6 [13?] miles away [to the W] over Hill 9572 (9572 ft elev.) [Baldy Mtn?] at 45°11' N, 111°57' W, with same phenomenon of objects emerging and reentering the cloud. ADC 29th Air Div, AACS (1906-5 Sq Detachment) and CAA checked for radar tracks, none reported. (Sparks; Martin Shough; NICAP; Berliner)	30+ mins	12	1/4 ?	color movie and still photos, 8x and 50x binoculars
731.	1747	July 29, 1952. Great Falls AFB, Montana (47°30' N, 111°13' W). 3:25-4:48 p.m. (MST). 17+ military and civilian USAF personnel (possibly totaling 50) at AACS Sq, and 1701st Air Traffic Sq and 1701st Air Transport Wing and Wing Intelligence, Great Falls AFB were alerted by a Plan 62/Plan 113 inter-base intercom alert at 3:20 p.m. MST from McChord AFB, Seattle, Wash., of a possible incoming UFO, including USAF Maj. John J. LeGrand, Maj. Raymond L. Kolman, Capt. Roy J. Jackson, S/Sgt Donald M. Manchester, Lt Hilton D. Logan, Capt. Orin G. Harman, Lt John Macgill, Mrs Anne L. Macgill (off base 8 mi from Great Falls alerted by husband Lt Macgill), Miss Virginia Walbon, Airman Charles Hooks, Mrs Anne E. Mihalik, Mrs Margaret Evans (Western Union at GFAFB), Mrs Forrester, Airman William Cole, Airman Harold Bennett, S/Sgt Charles C. Boden, Jr., M/Sgt Clarence R. Stotesbury, T/Sgt Fernandez. McChord AFB transmission was cut off in mid-sentence right after the words "flying saucer" and base personnel later falsely denied ever making the alert (though heard by multiple GFAFB personnel). Some GFAFB personnel sightings possibly as early as 2:30 p.m. Disc-shaped object. ADC 29th Air Div, AACS (1906-5 Sq Detachment) and CAA checked for radar tracks, none reported. (Sparks; NICAP; Berliner)	2 hr period non- continuo us	18+ [50+]	1/3?	binoculars
732.	1738	July 29, 1952. Merced, Calif. 3:44 or 4:35 p.m. Herbert Mitchell and employee saw a dark, discus-shaped object, trailed by a silvery light 2 lengths behind, tipped on its side, dive, hesitate then circle very fast. (Sparks; Berliner; Saunders/FUFOR Index)	2 min	2 [3?]		

					1	1
733.		July 29, 1952. Albuquerque, NM. 10:30 p.m. (MST). Los Alamos Lab AEC employee pilot USAF Reserve Lt Col Robert G. LeCompte sighted from home a yellow luminous fattened ellipse 4° in length at 225° azimuth (SW) at 20°-25° elevation, which began rapidly shrinking in size and changing color to yellowish-white then white after 45-60 secs while in the same motionless position, disappeared after another 15 secs. LeCompte noted setting half moon [52% illumination] set at 10:57 p.m. MST [at azimuth 246°]. No sound. (Sparks; BB files; BB Status Report 8, Dec 1952, p. 30)	1-11/4 mins	1	8	
734.	1758	July 30, 1952. San Antonio, Texas. 10 a.m. E. E. Nye and another saw a round, white object fly slow then speed away. (Sparks; Berliner)	20-30 mins	2		
735.		July 30, 1952. Atlanta, Georgia. (Saunders/FUFOR Index)				
736.	1755	July 30, 1952. Albuquerque, New Mexico. 11:02 p.m. Kirtland AFB USAF 1st Lt. George Funk saw a stationary orange light. No further details in files. (Sparks; Berliner)	10 mins	1		
737.		July 30, 1952. Holloman AFB, Alamogordo, New Mexico. (Saunders/FUFOR Index)				
738.		July 30, 1952. Keesler AFB, Mississippi (30°20' N, 88°57' W). 11:55 p.m. (CST). Capt. Eugene P. Daspit, Supv., Ground Ops Branch, Electronics Observer Dept, 3398th Tech Training Sq, Keesler AFB, and Tech Sgt. James E. Hansen, CPS-5 Team Chief, 3381st Tech Training Sq, Keesler AFB, detected a slow-moving radar target on CPS-5 radar about size of C-54 radar blip, about 43 miles (40 miles according to Hansen) N at 335° azimuth, first (stationary for 2 mins according to Hansen) moving slowly S about 1 mile in 2 mins [30 mph] (or 2 miles per Hansen [60 mph?]), that stopped for 4 mins, then slowly headed N for 3 mins, stopped 2 mins (at its original position per Hansen), disappeared for 3 mins, then reappeared traveling at higher speed of 40-45 mph, heading NE to range of 50 miles [6-1/2 miles traveled] in 3 mins [130 mph?] at 345° before disappearing at 12:12 a.m. (Sparks; BB Maxwell Roll 13, pp. 1151-1163)	17 mins	2		radar
739.		July 31, 1952. 15 miles E of Yokota AFB, Japan (at 38°30" N, 139°57' E ??). 10:10 p.m. USAF pilot Leach and copilot Kato of C-47 with 548th Tech Recon Sq saw an object at 7,000 ft off their left wing. (Sparks; Project 1947; Saunders/FUFOR Index)		2		
740.		Aug. 1952. Skylight Mtn., Washington County, Ark. 3:30 p.m. Inverted tin colored saucers, 4:1 width/thickness ratio, darted in and out of cloud bank, in 5 mile circles in 5 secs [3,600 mph]. (Sparks; Berliner)	5 secs x?	2		photo
741.	1771	Aug. 1, 1952. Lancaster, Calif. 1:14 a.m. Sheriff's deputies and others, one named Mallette, saw 2 brilliant red lights hovering and maneuvering. (Sparks; Berliner)	5 mins	2+		

742.	Aug. 1, 1952. Near Piqua (radar at Bellefontaine), Ohio. 10:51-11:13 a.m. (EST). Lt. James Lott, radar controller at USAF ADC radar site 664th AC&W Sq at Bellefontaine atop Campbell Hill at 1549 ft elevation (40°22'20" N, 83°43'10" W). tracked target from 25 miles at 230° azimuth from radar site or approximately at 20 miles NNW of Wright-Patterson AFB (WPAFB), Dayton, Ohio, [at about 40°08' N, 84°10' W, which is 24 NM at 235° azimuth from Bellefontaine radar and 19 NM NNW-N at 343° azimuth from WPAFB]. Altitude within FPS-3 search radar (1290 MHz 3.3 RPM) high beam or above 10,000 ft, traveling 400-450 knots (~460-520 mph) on a heading of 240° about WSW and [at 10:54 a.m. ?] vectored 2 F-86's piloted by Major James B. Smith and Lt. Donald J. Hemer, from 97th FIS, Wright-Patterson AFB, Dayton, Ohio, at 30,000 ft, located 10 miles SE of the UFO. Jets made visual contact at 10:55 a.m., climbed to 48,000 ft, fell off, climbed again to 48,000 ft and Smith got a weak return on his radar gunsight, shot gun camera film of the white round object or silver-colored sphere or disc estimated at 60,000-68,000 ft based on range limit of airborne radar (or 60,000 to 70,000 ft) [which then took off at high speed ?]. Size calculated at 24-40 ft based on measured 2 mil (~2 milliradian) angular size and 12,000 to 20,000 ft slant range. F-86's broke off intercept at 11:13 a.m., at 5 miles NW of Springfield, Ohio (~10 mi NE of WPAFB). Film reportedly shows UFO image in the upper right of the frames with noticeable motion to the lower left. (Sparks; BB Microfilm Maxwell Roll 14, pp. 51-72, BB Misc Roll 1, pp. 563-580; BB Status Rpt 8, p. 32; cf.	22 mins	3+	2 mils measured in gunsight (1/5 Full Moon)	RV, gun camera film
743. 1783	Ruppelt pp. 174-6; Keyhoe 1953 p. 107; CR pp. 161-3) Aug. 2, 1952. Lake Charles, Louisiana. 3 a.m. USAF 1st Lt. W. A. Theil and enlisted man Edwards saw a red ball with blue flame tail fly straight and level. (Sparks; Berliner; Saunders/FUFOR Index)	3-4 secs	2		
744.	Aug. 2, 1952. Houlton, Maine. Smart and another witness on a wharf saw 21 objects traveling 200-600 mph. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich; Saunders/FUFOR Index)	35 mins	2		
745.	Aug. 3, 1952. Hamilton AFB, Calif. 4:15-5:30 p.m. (PDT). 2 AF pilots Capt. L. R. Hadley and Lt. D. A. Swimley, and AF Capt. W. T. Perske, saw visually and with binoculars 2 circular or spherical silvery objects 60-100 ft diameter at 12,000 and 18,000 ft drifting E to W on a 15-mile track passing overhead, darting and dogfighting at estimated 400-450 mph, the upper object dropping from 18,000 to 12,000 ft, at the end replaced by 8 more similar objects appearing in pairs in the W about 15-20 miles distant. No sound. (Sparks; BB Microfilm Misc Roll 1, pp. 538-541)	1 hr 15 mins +?	3	1/3 to 1	binoes
746.	Aug. 3, 1952. Truth or Consequences, New Mexico. 10:20 p.m. Civilian engineer Anderson saw 3 light-green cylindrical objects hovering at 45° elevation in inverted-V formation, switching to echelon when one object moved, with a rolling motion along its long axis. Disappeared by rapidly rising vertically. (Sparks; BB Status Report 8, Dec 1952, p. 33; Saunders/FUFOR Index)	9 mins	1	4	engineer

7.47	1010	1 1050 DI : 1 200 HG4E 1/2 DI	- ·	2 : (0)	2/4	1
747.	1812	Aug. 4, 1952. Phoenix, Ariz. 2:20 a.m. USAF A/3c W.	5 mins	2+(?)	3/4	
		F. Vain [and Parker?] saw a yellow ball at about 3,000 ft				
		and traveling about 200 mph, heading from NNE to SW,				
		which lengthened and narrowed to plate shape, flying				
		straight and level. (Sparks; NICAP website; Berliner;				
		Saunders/FUFOR Index)				
748.	1813	Aug. 4, 1952. Mt. Vernon, New York. 11:37 a.m.	2 hrs	3		
		Woman and 2 children saw an object, shaped like a				
		lifesaver or donut, emitting black smoke from its top and				
		making a 15° [?] [reciprocating?] arc in 1.5 mins. (Sparks;				
		Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)				
749.		Aug. 5, 1952. Bet. Lima (12° 6' S, 77° 3' W) and Huacho,		multi		
		Peru. 5:13 a.m. Panagra DC-3 pilot Sullivan and crew		ple		
		saw 3 saucer-shaped objects in a V-formation maneuver				
		around the plane. (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
750.	1827	Aug 5-6. 1952. Haneda AFB, Japan (35°33' N, 139°46'	50-60	4+		RV
		E). 11:30 p.m. USAF F-94 jet interceptor pilots 1st Lt.	mins			
		W. R. Holder, 1st Lt. A. M. Jones, and Haneda control				
		tower operators. Airborne radar tracked a target for 90				1
		secs. Control tower operators watched 50-60 mins while a				
		dark shape with a light flew as fast as 330 knots (380				
		mph), hover, fly curves and perform a variety of				
		maneuvers, at one point splitting into 3 targets [?].				
		(Sparks; Berliner; BB Status Report 8, Dec 1952, pp. 34-				
		(Sparks, Bernner, BB Status Report 6, Bee 1752, pp. 54-				
751.	1841	Aug. 6, 1952. Tokyo, Japan. Continuation of Haneda				
/31.	1041	AFB sightings. (Sparks; NARA)				
752.	1843	Aug. 6, 1952. Belleville, Mich. Military witness(es).				
132.	1843					
753.	1045	(Sparks; NARA)				
/55.	1845	Aug. 6, 1952. Port Austin, Mich. Case missing. (Sparks;				
754		NARA)		4.		
754.		Aug. 6-7 [7?], 1952. Port Lyautey [Mina Hassam Tani?],		4+		
		French Morocco (34°20' N, 6°34' W). 7:51 p.m. Control				
		tower personnel and 3 USN officer pilots [one named				
		Dobos?] while flying R5-D saw a brilliant white disc-				
		shaped luminous object with red blinking light, leaving a				
		smoke trail, traveling straight and level at high speed then				
		shut up vertically to 15,000 ft at high speed, then hovered,				1
		descended. When aircraft tried to climb towards object it				
		started moving at high speed and chase was abandoned.				
		(Sparks; Hynek-CUFOS re-eval; Jan Aldrich;				1
		Saunders/FUFOR Index)				
755.	1855	Aug. 7, 1952. San Antonio, Texas. 9:08 a.m. Mrs. Susan	70 mins	1		
		Pfuhl [Pzuhl?] saw 4 glowing white discs, one made a				1
		180° turn, one flew straight and level, one veered off, and				
		one circled. (Sparks; Berliner; Saunders/FUFOR Index)				
756.		Aug. 8, 1952. Warren AFB, Wyoming. 7:48 p.m.	2-1/2	2		
		Pollack and another witness saw an object immediately	mins			
		stop without appearing to decelerate. (Sparks; Hynek-				1
		CUFOS re-eval; Jan Aldrich; Saunders/FUFOR Index)				
757.		Aug. 9, 1952. K-3 area E of Pohang, Korea (at 38° N,		2+?		ground and
		127° E). 8:57 p.m. Pilot Nagrodsky of 1st Naval Air				air radars
		Wing aircraft a fireball with stream of flame pass the				
		aircraft at 1,500 mph, tracked on airborne and ground				
		radars. (Sparks; Project 1947; Saunders/FUFOR Index)				
	i	(Spanis, 115) vec 1711, Saundon 101 OTC much	l .	<u>. </u>		I

758. 18	Aug. 9, 1952. Lake Charles AFB, Louisiana. 10:50 a.m. USAF A/3c J. P. Raley while walking to work saw a disc shaped object fly S at 5,000 ft at high speed, turn W then [?] hover for 2 secs. (Sparks; cf. Hynek-CUFOS re-eval Jan Aldrich)	- [1 min?]	1	
759.	Aug. 11, 1952. Hampton, Virginia. 9/10 p.m. USAF Capt. and wife driving to town saw a series of 7 yellowish orange low-flying objects climb away. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	5 mins [7 x secs?]	2	
760.	Aug. 12, 1952. Near Cape May, New Jersey. 5:43 a.m. USAF pilot of F-94B saw stationary glowing object lose brightness and diminish in size. [Star?] (Sparks; Weinstein; BB files??)		1?	
761.	Aug. 12, 1952. Big Spring, Texas. 4:49 p.m. USAF pilo of T-6 saw a light flying at 500 mph and 15,000 ft pass his aircraft. (Sparks; Project 1947)		1	
762.	Aug. 12, 1952. 70 miles W of Wink, Texas. 10:48 p.m. [?] USN? pilot and copilot of SNB aircraft saw several pie-pan-shaped aluminum colored objects pass ahead of their aircraft and ascend. (Sparks; Project 1947)		2	
763. 18	Aug. 13 [10?], 1952. Tokyo, Japan. 9:45 p.m. USMC pilot Maj. D. McGough saw an orange light fly a left orbit at 8,000 ft and 230 mph, spiral down to no more than 1,500 ft, remain stationary f or 2-3 mins and blinked out. Attempted interception unsuccessful. (Sparks; Berliner; Hynek-CUFOS re-eval; Jan Aldrich)	2-3 mins +	1	
764.	Aug. 17, 1952. W of Athens, Alabama (at 34°49'30" N, 87°11'30" W). 12:47 p.m. USAF pilot of T-6G saw an intensely bright bright white round object hovering then disappear suddenly. (Sparks; Project 1947)		1	
765.	Aug. 17, 1952. E of Abilene, Texas (at 32°35' N, 99°13' W). 4:49 p.m. USAF pilot of T-6D [from Webb AFB?] saw an oblong polished metal object climbing at 500 mpl (Sparks; Project 1947; Saunders/FUFOR Index)	1.	1	
766. 19	Aug. 18, 1952. Fairfield, Calif. 12:50 a.m. 3 policemen saw an object change color from red-green-orange-blue, shaped like a diamond, and change directions [?] travelin in a straight line "sideways" [?] gaining altitude. Military witnesses [?]. (Sparks; Berliner; cf. Hynek-CUFOS reeval; Jan Aldrich)	g	3	
767. 19	Aug. 19, 1952. Red Bluff, Calif. 2:38 p.m. GOC observer Albert Lathrop saw 2 objects, shaped like fat bullets, fly straight and level, very fast. (Sparks; Berline	25 secs		
	Aug. 19, 1952. Boron, Calif. 8 p.m. (PDT). Pilot of USAF aircraft saw tailless object greatly accelerate away to the E and disappear, with airborne radar tracking [?]. No ground radar tracking due to ground clutter. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)		1	radar?
	Aug. 20 [19?], 1952. Neffsville [Lancaster?], Penna. 3:1 a.m. Bill Ford and 2 others saw an undescribed object flying at 500 ft altitude. No further data in files. (Sparks Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich; Saunders/FUFOR Index)	mins ;	3	
770.	Aug. 20, 1952. W Fresno, Calif. (at 36°47'N, 119°49'W) 6:30 p.m. (PDT). Aeronautical engineer DeMay and civilian pilot Paxton, commercial artist, heard loud jet-lik sound, saw object at relatively high speed approach from with fast "jerky" motions. Sparks; BB files)	e	3	aero engr

			1			
771.	1944	Aug. 21, 1952. Dallas, Texas. 11:54 p.m. Jack Rossen, ex-artillery observer, saw 3 blue-white lights hover then descend, 1.5 mins [30 secs?] later one [2?] of them descended further. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)	1.5 mins +	1		
772.		Aug. 22, 1952. Ontario, Calif. 3 p.m. Pilot Irvin of aircraft saw 2 teardrop shaped objects cross his flight path 1/2 mile away in high speed straight level flight creating severe turbulence that rocked his aircraft. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	2 secs	1?		
773.		Aug. 23, 1952. Sinuiju, North Korea. 1:04 a.m. USAF 19th Bomber Group weather recon B-29 crew saw an orange-red cigar-shaped object. (Sparks; Weinstein; BB files??)				
774.	1956	Aug. 23, 1952. Akron, Ohio. 4:10 a.m. USAF 2nd Lt. H. K. Funseth, a ground radar observer, and 2 U.S. Navy men saw a pulsing amber light fly straight and level. (Sparks; Berliner)	7 mins	3		RV?
775.	1961	Aug. 24, 1952. Bet. Hermanas, New Mexico, and El Paso, Texas. 10:15 [10:20?] a.m. Georgia Air National Guard F-84G jet fighter pilot Col. G. W. Johnson saw two 6 ft silver balls in abreast formation, one turned grey rapidly, the other slowly. One changed to long grey shape during a turn. (Sparks; Berliner)	10 mins			
776.	1964	Aug. 24, 1952. Tucson, Ariz. 5:40 p.m. Mr. and Mrs. George White saw a large round, metallic, white light with a vague lower surface, fly slowly, then fast with a dancing, wavering motion. (Sparks; Berliner)	1 min	2		
777.	1969	Aug. 24, 1952. Levelland, Texas. 9:30-9:53? p.m., 10:30 p.m. Mr. and Mrs. Elmer Sharp saw an object, shaped like a spinning top, changing color from red to yellow to blue, with a fiery tail, hover for 20 mins with whistling [shrill?] sound, then fly away on a NNW course in 3 mins. Same or similar object returned 1 hr later repeating maneuvers. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)	23 mins +	2		
778.	1972	Aug. 25, 1952. Frontenac-Pittsburg, Kansas. 5:35 a.m. (CST). Radio station musician William Squyres saw 70-75 ft inverted platter-shaped dull aluminum color object to right side of road about 40° elevation and 750 ft away with head and shoulders of a "man" inside visible in a window, midsection had many windows in which regular motion of some kind could be seen. He stopped the car and got out to look from 300 ft away, object had "rocking motion" and deep throbbing sound, series of 6-7-inch rapidly rotating "propellers," then after 1/2 min rose vertically at high speed from 10 ft height, with the sound like a mass of quail suddenly aflight, and disappeared in a gap of broken clouds but not behind clouds. Later found 60 ft circle of grass matted down in the field. (Sparks; Hynek UFO Rpt pp. 200-3; Battelle Unknown No. 12; Vallée Magonia 98; Randle)	1/2 min. +	1	25	
779.	1915	Aug. 25, 1952. Delaware, Ohio. Stanger. (Sparks; NARA; Saunders/FUFOR Index)				
780.	1979	Aug. 25, 1952. Holloman AFB, New Mexico. 3:40 p.m. Civilian supervisor Fred Lee and foreman L. A. Aquilar saw a round silver object fly S, turn and fly N, make a 360° turn, fly away vertically. (Sparks; Berliner)	3-5 mins	2		

781.	1986	Aug. 26, 1952. Lathrop Wells, Nevada. 12:10 a.m. USAF Capt. D. A. Woods saw a large spherical very bright object with a V-shaped contrail, a dark cone in the center, approach at 1,000 mph, hover briefly, make an instant 90°-180° turn, then a gentle climb and final sudden acceleration leaving blue-white contrail which evaporated immediately. No sound. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)		1	
783.	1987	Aug. 26, 1952. Biloxi, Miss. (Sparks; NARA) Aug. 26-27, 1952. Veracruz, Mexico. 2:15 a.m. Many	8 secs		
763.	1994	witnesses of object traveling in straight line out to sea with buzzing noise. Sighting on Aug. 30. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	o secs	many	
784.	2006	Aug. 28, 1952. Chickasaw (30°45' N, 88°4' W) and Brookley AFB (30°38' N, 88°5' W), Mobile, Alabama. 9:30-10:20 p.m. 3 civilians in Chickasaw reported to duty officer USAF Capt. at Brookley AFB seeing multiple red stationary and maneuvering objects to the S and one moving from S to W, all over the direction of Brookley. AFOSI agent arrived in Chickasaw at 9:50 to investigate and saw the same 4 objects to the S and SW estimated 8-12 miles distance, one fiery red object stationary for 15 mins then drifted 15°-20° to the right then stationary again. Radar operator visually spotted red-green object over Chickasaw to the N. USAF duty officer and control tower operators saw one object to the SW at 240° azimuth to the right and lower than the moon [which was at about 214° azimuth 22° elevation], and another object to the W at 280° azimuth at 10°-20° elevation the latter was confirmed by GCA's MPN-1 radar as a stationary target at 280° azimuth 4 miles range 4,000 ft altitude [= 11° elevation]. AFOSI officer, and others saw one object explode, one do a figure-8 maneuver, etc., 4-6 objects larger than a star or planet varying from fiery red, red-blue, red-green and sparkling diamond appearance, a civilian AF employee saw a flat oval shape. (Sparks; Berliner; cf. Hynek-CUFOS-Willy Smith files)	50 mins	10+	RV, binoculars, triangulatio n
785.	2013	Aug. 29, 1952. Colorado Springs, Colo. 8:35 p.m. Military [? USAF?] pilot C. A. Magruder saw 3 objects, 50 ft in diameter, 10 ft high, aluminum with red-yellow exhaust, fly in trail about 1,500 mph. (Sparks; Berliner)	4-5 secs	1	

786.		Aug 20 1052 WNW of Thule Creenland (et 770 N	2 2 mins	2 [49]	[1/10 9]	
/80.		Aug. 29, 1952. WNW of Thule, Greenland (at 77° N.,	2-3 mins	2 [4?]	[1/10 ?]	
		75°15' W). 10:50 a.m. (EST). US Navy Atlantic Fleet				
		Patrol Squadron VP-23, Thule, aircraft P4Y-2 at 10,000 ft				
		heading 000° True at 150 knots (173 mph) in a half				
		standard rate left turn (4-min 360° turn), copilot acting as				
		pilot Lt JG William A. O'Flaherty, and navigator LtJG R.				
		S. Moore in the aircraft astrodome, were following an 85 ft				
		diameter Skyhook balloon launched from an icebreaker				
		US Coast Guard Cutter <i>Eastwind</i> when upon release of the				
		parachute instrument package from the balloon they				
		sighted 3 white discs or globes, about ½ to almost the full				
		apparent size of the balloon, in triangle formation slightly				
		W of N [NNW?], clustered to the right of the Skyhook				
		instrument package at 74,000 ft for some 2-3 minutes.				
		[Discrepancy in 2004 account claiming that pilot Lt. John				
		C. Callahan and aircraft commander Merchant (navigator				
		Moore?) also observed UFO's, though denied by the				
		copilot report of O'Flaherty in 1952.] O'Flaherty lost the				
		objects in the sun [in the SSE] but Moore then [flying very				
		fast in triangular formation with a vertical banking]				
		climbed to disappearance in 5 secs [3? secs] with no trail				
		or exhaust or visible means of propulsion. (Sparks; Naval				
		History magazine Oct 2004, web version; Jan Aldrich;				
		NICAP Dan Wilson; Berliner)				
787.		Aug. 30, 1952. Santa Monica, Calif. 8, 11:30 p.m. Hehr	10 mins	2		
		and another witness sitting in a park saw many horizontal	+?			
		bar-shaped objects appearing and disappearing, forming a				
		formation, traveling laterally at 1,500 mph. 2nd sighting				
		of light near moon. (Sparks; Hynek-CUFOS re-eval; Jan				
		Aldrich; Saunders/FUFOR Index)				
788.		Sept. 1, 1952. Atlanta, Georgia. 9:43 p.m. Mrs. William		10		
		Davis and 9 others saw a light, similar to the evening star,				
		move up and down for a long period of time. (Sparks;				
		Berliner)				
789.	2022	Sept. 1, 1952. Marietta, Georgia. 10:30 p.m. Mr.	15-30	26		binoculars
		Bowman (ex-artillery officer) and 24 others saw a red,	mins			
		white, and blue-green object which spun and shot off				
		sparks. An unidentified witness using binoculars saw 2				
		large objects shaped like spinning tops with red, blue and				
		green colors, fly side by side, leaving a sparkling trail for				
		30 mins. (Sparks; Berliner)				
790.		Sept. 1, 1952. Marietta, Georgia. 10:50 p.m. Ex-AAF B-		1		
		25 gunner saw 2 large white disc-shaped objects with				
		green vapor trails fly in trail formation, merge, fly away				
		very fast. (Sparks; Berliner)				
791.	2023	Sept. 1, 1952. Yaak, Montana. 4:45 a.m. Visual sighting	1 hr	5		RV
	-	by 2 USAF enlisted men, radar tracking by 3 men using				
		FPS-3 radar set. 2 small, varicolored lights became black				
		silhouettes [of "dark, cigar-shaped object"?] at dawn, flew				
792						
792.		erratically. (Sparks; Berliner; cf. Ruppelt p. 194) Sept. 2, 1952. Tokyo, Japan. (Sparks; McDonald list)				

702	2025	Sant 2 1052 Midway Aimant Chicago Illinois (41947)	7 1	5.9	1	uo do u
793.	2025	Sept. 2, 1952. Midway Airport, Chicago, Illinois (41°47'	7 hrs	5?		radar
		N, 87°45' W). 12:01-7 a.m. (CST). CAA radar				
		controllers Robert L. Terneuzen (GCA), Ralph L. Frick,				
		Dale E. Warner, Warren J. Weber, and Radar Mainenance				
		Technician Gordon R. Coplenad, at Midway Airport				
		tracked as many as 30 targets simultaneously, flying in				
		various directions, "average" speed of 175 mph at about				
		2,000 ft ASL. ADC 755th AC&W radar station, Williams				
		Bay / Elkhorn, Wisc., claimed Midway Airport Tower				
		Supervisor called at 2:50 a.m. saying there were 40 targets				
		plotted by Midway Airport radar from 3,000 to 6,000 ft,				
		speed 120-150 mph, azimuths 180° to 300° (Midway				
		Tower claimed the 755th was not alerted by Midway until				
		5:14 a.m., and that it was indirect, through Chicago				
		ARTC). Targets were the size of blips from "light planes"				
		or larger (best target quality in the 6-10 mi range) and				
		moved in no particular pattern except, sometimes "erratic"				
		and sometimes in straight lines up to 15 miles long and in				
		at least one instance of "flying formation" with an aircraft.				
		At about 4 a.m. [CST], 2 targets flew in formation with an				
		inbound DC-4 airliner, one on each wing of the DC-4				
		about ½ mi away (the precise minimum distance for the				
		PAR-1 elevation / height-finder radar beam's 3.6° azimuth				
		resolution, 0.50 mi at 8 mi distance, to prevent the 3 blips				
		merging into one blip). Wing formation started from near				
		Lake Shore [about 8 miles away] until 1 mile out on final				
		approach when each target flew off from the DC-4 at the				
		same time, in opposite directions, as if controlled [possible				
		hoax prank by ADC 4706th fighters]. Two F-86 fighters,				
		piloted by Capt. (later Col.) William W. Maitland and Lt.				
		Beverly J. Dunjill (latter returned from 100 combat				
		missions in Korea as a combat flight instructor, test pilot,				
		and 62nd FIS Ops Ofcr), 62nd FIS, 4706th Defense Wing,				
		O'Hare AFB / Airport, Chicago, scrambled by ADC from				
		O'Hare AFB at 5:30 a.m. [CST], took off at 5:50 a.m.,				
		were under Midway Airport control searching the area				
		from 5:55 to 6:19 a.m. and were repeatedly vectored				
		"through" targets at 800 to 4,000 ft altitude attempting to				
		"ram" or "hit" them without seeing anything visually				
		[apparently the F-86's carried no airborne radar]. In fact				
		this is misleading since the 37-foot wingspan F-86 jets				
		were much smaller than the roughly ½ mile radar targets				
		on the screen and could not possibly be "directed" more				
		precisely than that ½ mile region (the F-86 radar blips				
		themselves were about ½ mile in size thus not precise in				
		locating the F-86's either). Overcast cloud layer at 4,700				
		ft, sunrise at ground level about 5:18 a.m. CST. ADC				
		755th AC&W air defense radar in Elkhorn / Williams Bay,				
		Wisc. (42°37′01″N, 88°32′19″W) did not detect targets on				
		its CPS-6B, but from ~70 miles away the earth's				
		curvature, beam elevation and ground clutter would block				
		radar detection of targets below about 5,000 ft near				
		Midway Airport. Note: Teletype report by 4706th				
		Defense Wing on Sept 10-11 apparently reports all event times erroneously as "CDST" that should be "CST."				
		(Sparks; BB files; Martin Shough; Berliner)				

794.		Sept. 3, 1952. Tucson, Ariz. 9 a.m. Civilian pilots	1.5 mins	2		
// 1.		McCraven and Thomas saw a shiny, dark ellipse make	1.5 111115	_		
		three broad, curving sweeps. (Sparks; Berliner)				
795.	2045	Sept. 6, 1952. Lake Charles AFB, Louisiana. 1:30 a.m.	2 hrs	3		
,,,,,,	20.0	T/Sgt. J. E. Wilson and 2 enlisted men saw a bright star-	2 1115			
		like light move about the sky. (Sparks; Berliner)				
796.	2048	Sept. 6, 1952. Tucson, Ariz. 4:55 p.m. Ex-	1.5 mins	2		
770.	2010	Congresswoman Mrs. Isabella King and Bill McClain saw	1.5 111115	_		
		an orange teardrop-shaped object whirl on its vertical axis,				
		descend very fast, stop, retrace its path upwards, while				
		whirling in the opposite direction. (Sparks; Berliner)				
797.	2049	Sept. 7, 1952. San Antonio, Texas. 10:30 p.m. Chemist	3-20 secs	3+		
191.	2049	J. W. Gibson and others saw an orange object or light	3-20 Secs	3 1		
		(color temperature 2,000° F.) explode into view. (Sparks;				
		Berliner)				
700	2052	/				
798.	2052	Sept. 7, 1952. San Antonio, Texas. (Sparks; NARA)	_	1		
799.	2062	Sept. 9, 1952. Rabat, French Morocco. 9 p.m. USAF	5 secs	1		
		Intelligence civilian illustrator E. J. Colisimo saw a disc				
		with lights along part of its circumference, fly twice as fast				
		as a T-33 jet trainer, in a slightly curved path. (Sparks;				
000	2077	Berliner)	25 :	2		1 . 1
800.	2077	Sept. 12, 1952. Allen, Maryland. 9:30 p.m. GOC	35 mins	2		binoculars
		observers Mr. and Mrs. David Kolb using binoculars saw a				
		white light with red trim and streamers fly NE. (Sparks;				
		Berliner)				
801.	2085	Sept. 13, 1952. Near Allentown, Penna. 7:40 p.m.	< 15 secs	1	1/2 - 2/3	
		Private pilot W. A. Hobler, flying a Beech Bonanza at	?			
		10,000 ft from Allentown to the Caldwell-Bright Omni				
		station, saw a 3 ft object, shaped like a fat football,				
		flaming orange-red color, at his 11 o'clock high position				
		about 450-600 ft away descend at a 30° angle on a				
		collision course, Hobler made a sharp climb to avoid it,				
		object then pulled up in a 65° climb in front of Hobler's				
		airplane, Hobler made a rapid 180° right turn but lost the				
		object traveling at about 700 mph. (Sparks; Berliner;				
		NARCAP)				
802.	2086	Sept. 14, 1952. Santa Barbara, Calif. 8:40 p.m. USAF C-	30 secs	1		
		54 transport pilot Tarbutton saw a blue-white light travel				
		straight and level, then fly up. (Sparks; Berliner)				
803.	2087	Sept. 14, 1952. North Atlantic between Ireland and		multi		radar?
		Iceland. Military personnel from several countries aboard		ple		
		ships in the NATO Operation MAINBRACE exercise.		1		
		Sightings include a blue-green triangle flying 1,500 mph				
		and 3 objects in triangular formation giving off white light				
		exhaust at 1,500 mph. (Sparks; Berliner)				
804.	2089	Sept. 14, 1952. White Lake, South Dakota. 7 p.m. GOC	30-40	1		binoculars
		observer L. W. Barnes, using binoculars saw a red, cigar-	mins	_		
		shaped object, with three puffs behind it, fly W, then S,				
		then was gone. (Sparks; Berliner)				
805.	2093	Sept. 14, 1952. Olmstead AFB, Penna. Time not known.		1		
000.		Pilot of Flying Tiger Airlines airplane N67977 saw a blue				
		light fly very fast on a collision course with the airliner.				
		Note: the summary card attached to the file showed				
		completely different information. (Sparks; Berliner)				
806.	2092	Sept. 14, 1952. El Paso, Texas. (Sparks; NARA)		multi		
600.	2092	50pt. 17, 1752. El 1 650, 10,635. (Spaiks, 17/11/17)		ple		
	J			pie		

007	1	G + 14 15 1052 G: 1 1 I M : 11 20	1.1	4		1
807.		Sept. 14-15, 1952. Ciudad Juarez, Mexico. 11:30 p.m	1 hr 50	4		
		1:20 a.m. Consulting engineer R. J. Portis and 3 others	mins			
		saw 6 groups of 12-15 luminous spheres or discs, which				
		flew in high speed formations varying from arcs to				
		inverted-Y's. (Sparks; Berliner)				
808.	2099	Sept. 16, 1952. Portland, Maine. 6:22 p.m. Crew of U.S.	20 mins	2+?		RV
		Navy P2V Neptune patrol plane saw a group of 5 lights in				
		circular formation at the same time a long, thin blip was				
		tracked on radar. Note: Possible USAF KC-97 airplanes				
		involved in a refueling operation. (Sparks; Berliner)				
809.	2100	Sept. 16, 1952. Warner Robins AFB, Georgia. 7:30 p.m.	15 mins	5		
00).	2100	3 USAF officers and 2 civilians saw white lights fly	15 111115	3		
		abreast at 100 mph. (Sparks; Berliner)				
810.	2105	Sept. 17, 1952. Tucson, Ariz. 11:40 a.m. Mr. and Mrs.	2 mins	2		
810.	2103		2 1111118	2		
		Ted Hollingsworth saw 2 groups of 3 large, flat, shiny				
		objects fly in tight formations, the first group slow, the				
011		second faster. (Sparks; Berliner)	15.00	10.0		
811.		Sept. 20 [19? 21?], 1952. Topcliffe RAF Station,	15-20	10 ?		
		Yorkshire, England, UK. 10:53 a.m. [4:14 p.m.?]	secs +			
		Operation MAINBRACE Meteor jet fighter (flown by				
		Flight Lt. John W. Kilburn and Flight Lt. Cybulski?) was				
		descending to land at 5,000 ft when they saw a slow-				
		moving circular silver [or white?] object about 5 miles				
		behind them at about 15,000 ft following a similar course				
		then swinging like a "falling sycamore leaf" or pendulum				
		and began descending. As the Meteor turned towards				
		Dishforth the object followed, then stopped falling leaf				
		motion and descent, began rotation on its axis, suddenly				
		accelerated at "incredible speed" faster than a meteor to				
		the W then turned to SE [and disappeared]. Ground?				
		observers included Flying Officer Paris, Master Signaller				
		Thompson, Higgins ? and 5 other aircrew [on the				
		ground?]. (Sparks; Jan Aldrich; Ruppelt pp. 195-6;				
		NICAP; Saunders/FUFOR Index)				
812.	 	Sept. 21?, 1952. North Sea near England, UK. Operation	several	6		
012.		MAINBRACE sighting by 6 British pilots [including	mins	0		
			IIIIIS			
		Higgins?] in a formation of Meteor jets who pursued shiny				
		spherical object but lost it in 1-2 mins then it reappeared				
		following one of the jets which turned to pursue but the				
		object outmaneuvered the jet. (Sparks; Ruppelt p. 196;				
		BB files??; Saunders/FUFOR Index ?)				
813.	2119	Sept. 23, 1952. Gander Lake, Newfoundland, Canada. No	10 mins	8		
		time shown. Pepperrell AFB operations officer and 7				
		other campers saw bright white light, which reflected on				
		the lake, fly straight and level at 100 mph. (Sparks;				
		Berliner)				
814.	2124	Sept. 24, 1952. Charleston, West Virginia. 3:30 p.m.	15 mins	2+		
		Crew of USAF B-29 bomber saw a lot of bright, metallic				
		particles or flashes, up to 3 ft in length, stream past the B-				
		29. (Sparks; Berliner)				
	1		1		1	1

815.		Sept. 24, 1952. Guantanamo Bay, Cuba. 7:45-8:10 p.m.	~25 mins	3	1/3 to 1 ?	
613.		(EDT). USN crew of TBM bomber, pilot William N.	~23 mms	3	1/3 to 1 :	
		Straughan, and G. W. Turnbow and Alan Morris, chased a				
		maneuvering white light with greenish tail, changed color				
		to red on rapid ascent from 25,000 to 35,000 ft, appearing				
		as "brilliant white light" 15 ft diameter at closest approach				
		[less than ½ mile?] when it was "so close that the bright				
		light blanked out all view of the lights on McCalla Field."				
		At 8-10 miles distance appeared to be size of SNB aircraft				
		(48 ft wingspan). (Sparks; BB Maxwell Microfilm Roll				
		16, pp. 150ff.; Weinstein; Ruppelt pp. 43-44; Menzel 1963)				
816.	2126	Sept. 26, 1952. 400 miles NNW of Azores Islands, at	1 hr+	4		
		41°N, 35°W. 11:16 p.m. Pilot, copilot, engineer and				
		aircraft commander of USAF C-124 transport plane saw 2				
		distinct green lights to the right and slightly above the C-				
		124, at one time seemed to turn toward it, the lights				
		alternated leading each other. (Sparks; Berliner; BB				
817.		Status Report 8, Dec 1952, p. 36) Sept. 27, 1952. Hempstead, Texas. 2 USAF T-33 pilots		2		
01/.		saw a white-silver circular flat disc flying erratically at		2		
		600-700 mph. (Sparks; Weinstein)				
818.	2128	Sept. 27, 1952. Inyokern, Calif. 10 p.m. 2 couples, using	15 mins	4		telescope
		a 5x telescope saw a large, round object, which went				
		through the color spectrum every 2 secs, fly straight and				
		level. (Sparks; Berliner)				
819.		Sept. 28, 1952. Tsushima Island, Japan (35°11' N,				
		136°45' E). (Sparks; McDonald list)				
820.		Sept. 28, 1952. Goose Bay, Labrador, Canada (53.33° N, 60.41° W). (Sparks; McDonald list)				
821.	2136	Sept. 29, 1952. Rochester, England, UK [NY?]. 3:55 p.m.	3 mins			
		Witnesses unknown, but report came via the Rochester				
		Police Dept., of 2 flat objects hovering then speeding				
		away. (Sparks; Berliner; Randle; Saunders/FUFOR Index)				
822.		Sept. 29 [?], 1952. Aurora [Denver?], Colo. 3:15 p.m.	5-6 mins	1		
022.		USAF T/Sgt. B. R. Hughes saw 5-6 circular objects, bright	<i>3</i> -0 mms	1		
		white but not shiny, circle in trail formation. [Same as				
		Denver Sept. 30 case?] (Sparks; Berliner)				
823.	2140	Sept. 29, 1952. Southern Pines, North Carolina. 8:15 p.m.	15 mins	3		
		U.S. Army Res. 1st Lt. C. H. Stevens and 2 others saw a				
		green ellipse. with a long tail, orbiting. (Sparks; Berliner)				
824.	2138	Sept. 30, 1952. Denver, Colo. [Same as Sept. 29 Aurora				
927	21.42	case?] (Sparks; NARA)	22:	1		
825.	2142	Oct. 1, 1952. Shaw AFB, South Carolina. 6:57 p.m.	23 mins	1		
		USAF 1st Lt. T. J. Pointek, pilot of RF-80 recon jet, saw a bright white light fly straight, then vertical, then hover,				
		then make abrupt turn during attempted intercept.				
		(Sparks; Berliner)				
826.	2143	Oct. 1, 1952. Pascagoula, Mississippi. 7:40 p.m. Mr. and	22 mins	3		
		Mrs. C. C. McLean and another heard a loud blast and saw				
		a round, milky-white object, shaped like a powder puff,				
		hover for 5-10 mins then fly away very fast in an arc.				
		(Sparks; Berliner)				
827.	2150	Oct. 7, 1952. Alamogordo, New Mexico. 8:30 p.m.	4-5 secs	1		
		USAF Lt. Bagnell saw a pale blue oval, with its long axis				
		vertical, fly straight and level covering 30° of sky. (Sparks; Berliner)				
	<u> </u>	(Sparks, Definiti)]			

	1	T =			ı	1
		Oct. 7, 1952. Provence near Draguignan, France. 7:28	30 secs	2		
		p.m. Air France pilots Francis Cavasse and in flight				
		sighted white egg-shaped object, larger thn transport				
		aircraft [200 ft?] in level flight traveling NE to SW in 230°				
		heading pass about 3 km above traveling estimated 2,000				
		to 3,000 kph (1200 to 1800 mph) with bluish-white				
		exhaust trail about 25x length of object.				
828.	2155	Oct. 10, 1952. Otis AFB, Mass. 6:30 p.m. USAF S/Sgt	20 mins	3		
		and 2 other enlisted men saw a blinking white light move				
		like a pendulum then shoot straight up. (Sparks; Berliner)				
		Oct. 14, 1952. Zuni, New Mexico, to Winslow, Ariz.	35 mins	3	~9°	
		9:50 p.m. (MST). Pilot Col. [deleted], Deputy Director,				
		Office of Legislative Liaison, Office of Secretary of				
		Defense, pilot Col. [deleted], USAF HQ, Chief, Senate				
		and White House Liaison, and copilot Lt. Col. Albert L.				
		Cox, USAFR contract pilot with Travis AFB, while flying				
		in B-25 at 190 knots TAS (~220 mph) at 10,000 ft heading				
		260° sighted bright white-metallic dirigible shaped				
		luminous object ~30° to the left (at 230° azimuth [or 30°				
		right at 290° azmith]) elevation 40° above aircraft level,				
		possibly 500 ft in size with 2 red lights attached, at 50-500				
		miles distance possibly 30,000 to 60,000 ft altitude,				
		making zigzag flight path at high speed 1000-2000 mph,				
		forcing aircraft to change course to 200°. Object				
		disappeared in NW at 320° azimuth 20° elevation above				
		flight level. (Sparks)				
829.		Oct. 15, 1952. Ashiya, Japan (34°42' N, 135°16' E).				
029.		(Sparks; McDonald list)				
830.	2171	Oct. 17, 1952. 10 mi S of Taos, New Mexico. 9:10 or	2-3 secs	4		
		9:15 p.m. (MST). Kirtland AFB officer Major Charles R.				
		Coble, 4910th Air Base Group, in Jeep traveling N on				
		Hwy 85 saw a round, bright blue light move from N to NE				
		at a [descending?] angle of 45° about 25 miles away at				
		estimated 10,000 ft altitude, speed 2500 mph [25,000 to				
		35,000 ?? mph], then burn out suddenly in the SE. While				
		at football stadium at half-time in Albuquerque (at 35°N?,				
		106°35' W?) Kirtland AFB officers 1st Lt. Richard D.				
		Volk (34th Air Division ADC), 2nd Lt. William J.				
		Arrowood (4910th ABG), and 2nd Lt. Warren J.				
		Eljenholm (34th AD), sighted bluish-green light falling				
		rapidly in a "near vertical path." [Meteor fireball IFO.]				
		(Sparks)				
831.	2172	Oct. 17, 1952. Killeen, Texas. 10:15 p.m. Ministers	5 secs	2		
031.	21/2	Greenwalt and Kluck saw 10 lights, or a rectangle of	3 3003	2		
		lights, move more or less straight and level over arc of				
		~110° at about 50° to 60° elevation. (Sparks; Berliner)				
832.	2173	Oct. 17, 1952. Tierra Amarilla AFS, New Mexico	20 secs	1		
032.	21/3	(36°37'25" N, 106°39'50" W). 11 p.m. Military witness	20 8668	1		
		[at USAF radar site] saw a white streamer move at an				
		estimated 3,000 mph in an arc. No further details in files.				
	<u> </u>	(Sparks; Berliner)			l .	

022	0155	0 + 10 1052 0 4 + 1 T 1 20 (00T)		-	20 . 50	
833.	2177	Oct. 19, 1952. San Antonio, Texas. 1:30 p.m. (CST).	3-4 mins	1	3° + 5°	
		[Ex-USAF aircrewman??] deputy sheriff Woolsey and				
		wife Lillian saw 3 circular or oblong aluminum objects in				
		the N in rough V-formation heading S at about 25°				
		elevation, the two higher objects at estimated ~20,000 ft				
		altitude. One lower object at ~15,000 ft altitude,				
		appearing more than 2x the size of the other objects,				
		"flipping" slowly on its side exposing aluminum side and				
		olive-drab color of other side, showing flattened biconvex				
		disc profile, flying at estimated ~200-350 mph until almost				
		overhead ~70° elevation when it stopped and hovered				
		briefly and witness lost track of other objects. Object				
		rapidly diminished in size till it disappeared [in place due				
		to radial distance?]. (Sparks; Berliner)				
834.	2175	Oct. 19, 1952. 12°17' N, 155°35' W (Pacific) 500 miles S	20 secs	2+		
		of Hawaii. 6:58 p.m. Crew of USAF C-50 transport plane				
		saw a 100 ft diameter round yellow light, with a red				
		glowing edge, fly at 300-400 knots (350-450 mph).				
	<u> </u>	(Sparks; Berliner)				
835.	2179	Oct. 21, 1952. Knoxville, Tenn. Daytime (no time given).	1-1/2 to	1?	1/7 in	theodolite
		Weather observer at airport weather station tracked 6	1-3/4		theodolit	tracking
		round or nearly round white or whitish objects (white	mins		e	_
		color near the shade of white balloon about the same				
		apparent size of [6 ft] balloon) fly in very loose formation				
		of 2-3-1 objects, visible within the [2°] field of view of				
		standard US Weather Bureau theodolite [David White				
		6061 or Army ML-47 with 21x magnification] aimed at				
		rising 100-gram balloon (launched 57 minutes earlier) then				
		at 54,347 ft above MSL (16,565 m) in the West at azimuth				
		267.6° elevation 36.5° [slant range ~17 miles]. Objects				
		made a long shallow dive at the balloon "as if to				
		investigate it" then passed balloon and pulled up in a				
		sharper climb than the dive at increased speed				
		[disappeared by passing out of field of view of theodolite].				
		Balloon burst at 58,022 ft [about 2 mins after objects				
		disappeared]. (Sparks; BB files)				
		Oct. 22, 1952. Laurinburg-Maxton AFB, North Carolina.	few mins	3?		
		10:10 p.m. Air policeman Airman 2nd Class Bernard F.				
		DeMonte sighted large 100-150 ft football-chaped object				
		with 2 steady red lights in front, 8-12 steady green lights in				
		rear, approaching from the S then pass overhead as				
		DeMonte guarded height-finder radar of 757th AC&W Sq				
		(no detection) then circle around for another pass [map				
		shows distances of ~1-2 miles], heard loud unfamilar				
		droning noise of "ear-splitting pitch." Object disappeared				
		in SW [SE?] at "terrific speed." Two other airmen, A/1C				
		[deleted] and A/2C Frank L. Donnelly, heard unfamiliar				
		noise and saw red/green lights from about 2 miles away.				
		(Sparks)				
836.	2184	Oct. 24, 1952. Elberton [Elberta?], Alabama. 8:26 p.m.	5 secs	2		
0.50.	2107	USAF Lt. Rau and Capt. Marcinko, flying a Beech T-11	3 3003	2		
		trainer, saw an object, shaped like a plate, with a brilliant				
		front and vague trail, fly with its concave surface forward.				
		(Sparks; Berliner; Saunders/FUFOR Index)				
	I	(Sparks, Definier, Saunders/TOTOK index)			l	

		Oct. 26, 1952. 2 mi S of Roanoke, Texas (~18 mi N of Ft.	3 mins	3	2/3	
		Worth). 4:18 p.m. (CST). Civilian witnesses traveling by				
		car on Hwy 77 sighted bright silver cigar-shaped object,				
		with "very brilliant blue reflection" (?) in the E at ~30°-				
		35° elevation ~2-3 miles away traveling straight up then S				
		while losing altitude. Object turned to SE and climbed				
		"like a top" covering 60° in ~80-90 secs when it faded				
025	2106	from sight to SE. (Sparks)	20	_		
837.	2196	Oct. 29, 1952. Erding Air Depot, Germany. 7:50 a.m.	20 secs	2		
		USAF S/Sgt. Anderson and A/2c Max Handy saw a round				
		object, silhouetted against a cloud, fly straight, level and				
020		smooth at 400 mph. (Sparks; Berliner)	20 :	4		
838.		Oct. 29, 1952. Hempstead, Long Island, New York. 5:10	20 mins	4		
		a.m. (EST). 2 USAF F-94 jet fighter crews saw a white				
		luminous object maneuvering at high speed. (Sparks;				
020	2200	Weinstein; BB files)	1 .	1	1.7	T3 f
839.	2200	Oct. 31, 1952. 4 miles S of Fayetteville, Georgia. 7:40	1 min	1	17	EM
		p.m. USAF Lt. James Allen saw an orange, blimp-shaped				
		object, 80 ft long 20 ft wide, appear to the N at treetop				
		level about 600 ft away, traveling towards him about 60-				
		70 mph, cross over his car (when his radio faded out) at				
		about 500 ft height. He got out of the car and watched				
		object linger overhead about 20 secs, then point its nose at				
		45° angle, accelerate and climb to disappearance in 30-40				
		secs to the E and slightly to right of the full moon (96°				
		azimuth 35° elevation) at tremendous speed. (Sparks;				
840.	2202	Hynek UFO Rpt pp. 191-2) Nov. 3, 1952. Laredo AFB, Texas (at 27°32'N, 99°28'W).	3-4 secs	2	1/3?	
840.	2202	6:29 p.m. AF 1923-9 AACS Detachment Control Tower	3-4 secs	2	1/3!	
		Supervisor A/1c William R. Malloy and Tower Operator				
		A/2c Charles A. LeMaster, viewing through open tower				
		window, saw a long, elliptical or rounded football shape,				
		about size of medium bomber [150 ft], shiny metallic or				
		bluish-white-gray light with fuzzy/blurred edges at an				
		estimated altitude of 4,000 ft approach very fast from the				
		SW or 200°-210° azimuth (about SSW) elevation about				
		10°-20° possibly 10-20 miles away. LeMaster saw it first,				
		in front of a dark cloud bank. Object slowed and paused				
		to the S at about 180° azimuth 5°-10° elevation, and then				
		increased speed to disappear in the SE or 140° to 175°				
		(155°-165° in diagrams) azimuth (about SSE) elevation				
		about 10°-20°. (Sparks; BB Files; Berliner)				
841.		Nov. [Dec.?] 4, 1952. Congaree AFB, Columbia, South				
		Carolina. 1:42 p.m. (Sparks; McDonald list;				
		Saunders/FUFOR Index)				
842.		Nov. 4, 1952. W Hokkaido, Japan. 10:25, 11:05, and		3+?		
		11:25 a.m. Sightings of unidentified single-engine aircraft		-		
		W of Wakkanai, 10 mi NNE of Teshio flying N to S at				
		1,000 ft, and 1,000 ft over Teshio flying N to S. No radar				
		tracks. Possible IFO aircraft. (Sparks; Saunders/FUFOR				
		Index)				
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843.		Nov. 4, 1952. 10 mi E of Caribou, Maine (at 46.9° N, 67.8° W). 5:28 p.m. (EST). USAF pilot of T-6G at 2,500 ft heading 360° Mag, 1st Lt. Charles E. Young, rear cockpit pilot Capt Leon H. Pagan, both of 74th FIS, Presque Isle AFB, Maine, saw a slow moving light changing colors behind them. Young sighted light in the W above low bank of clouds at about 10° elevation, changing colors from red to blue to white, notified Pagan in the back who also saw it, and described it as a white light like aircraft navigation light or star or planet, about 25° elevation. T-6 was turned into direction of light for about 40 miles and pilots noted 250° Mag azimuth from Limestone AFB and 245° Mag azimuth from Presque Isle AFB, before they returned course. Senior Control Tower Operator, A/2c Earl S. Goldsen, 1974th AACS Sq Detachment 1, notified at 5:36 p.m. and sighted light in the	35 mins	4		
		W that stopped and moved to the NW. Northwest Airlines				
		Flight 12 landing at Presque Isle AFB also reported seeing				
		the "star." (Sparks; BB files; Project 1947)				
844.	2206	Nov. 4, 1952. Vineland, New Jersey. 5:40 p.m.	30 secs	1		
		Housewife Mrs. Sprague saw 2 groups of 2-3 whirling		*		
		discs of light fly toward the SE. (Sparks; Berliner)				
845.		Nov. 8, 1952. Tierra Amarilla (El Vado) AFS, New	10 mins	3		radar
		Mexico (36°37'25" N, 106°39'50" W). 6:05 p.m. (MST).				
		Frederick O. Edgar, Philco Tech Rep to 34th Air Div ADC				
		Air Defense Direction Center, and 767th AC&W Sq Radar				
		Crew Chief S/Sgt James A. McCutchin Jr. and A/1C				
		Albert F. Radford, radar scope operator, tracked large 15°				
		wide target on FPS-3 radar at 600 to 1500 mph (5-6 miles				
		movement per 12-second sweep = 1500 to 1800 mph] at				
		40,000+ ft altitude (height estimated based on 2° masking of lowest beam at 130 miles), moving from 130 miles				
		distance inward towards station to 45 miles distance,				
		always at 143° to 145° azimuth (\pm 1°-2°) then moving to				
		97 miles where it disappeared then reappeared moving				
		back in to 65 miles then stopped 2 mins then moved out				
		again and was lost at 100 [66?] miles. Philco Tech Rep				
		lowered frequency of the low beam radar transmitter and				
		receiver by ~20 MHz to eliminate interference but target				
		remained, though weakened and narrowed in size from 10°				
		wide to 2° wide. FPS-3 lower beam transmitting at 1319				
		MHz, upper beam at 1274 MHz. Possible deliberate				
		(hostile Soviet?) ECM spurious target generation, of non-				
		real targets, radially moving targets that do not cross to other side of scope, no visual or other radar confirmation.				
		(Sparks; BB files; McDonald list; Saunders/FUFOR				
		Index)				
846.	2219	Nov. 12, 1952. Los Alamos, New Mexico (at 35°52 N,	16 mins	1		
0 10.		106°17 W). 10:23 p.m. AESS Security Inspector saw 4	10 1111115	•		
		red-white-green lights fly slowly to the N over Los				
		Alamos Labs prohibited area. Winds to the E not N, can't				
		be balloon. Too slow for aircraft, and would not fly over				
		prohibited area. Fighter alert, no ground radar contact.				
		(Sparks; BB files)				
	•		•———		•———	

847.	2220	Nov. 13, 1952. Opheim AFS, Montana (48°51'45"N, 106°28'31"W, elev. 3300 ft). 2:20 a.m. (MST). Crew of USAF 779th AC&W station tracked an unidentified target on FPS-3 search radar at altitude 15,000 ft [typo in teletype reading 158,000 ft was not caught by BB which did not investigate] at distance 85 NM (98 miles) at 47°48'N, 108°05'W [to the SW from the radar station] traveling at 210 knots (240 mph) heading straight ESE [actually closer to E] until disappearance at 47°38'N, 105°05'W [also about 100 mi range] at 2:48 a.m. [not the 3:48 a.m. and mistaken 1+ hr duration that BB did not catch as another major typo in the Opheim AFS teletype].	28 mins	2+?	
		Apparently was an unscheduled civil aircraft (IFO) flying from Kalispell, Mont., to Fargo, ND, or Duluth, Minn. (flight path is a close match to the radar target). (Sparks; BB files)			
848.	2220	Nov. 13, 1952. Glasgow, Montana (at 48°10'N, 106°39'W). 2:43 a.m. U.S. Weather Bureau observer Earl Oksendahl looked away from the theodolite tracking a weather balloon and saw 5 bluish-white oval-shaped objects 30-50 ft diameter, with lights all around them, fly in a V-formation, at about 2,000 to 3,000 ft altitude, towards him from NW till about 1 mile distant at edge of town then made sharp 90-degree turn nearly overhead to head SW, with 2 objects banking slightly out of formation on turn. Each object seemed to be changing position vertically by climbing or diving as if to hold formation. No noise, no exhaust or trail. (Sparks; BB files)	20 secs +	1	
849.		Nov. 15, 1952. Near Pyongyang, North Korea. USAF pilot flying T-6 aircraft was circled 3 times by a 10 ft silvery sphere. (Sparks; Weinstein)		1	
850.		Nov. 15, 1952. Washington, DC (at 38.88° N, 76.94° W). 2:40 a.m. (EST). AFOSI Special Agent, 4th Dist., pilot Capt. Martin J. Dawson, and wife, Frances C. Dawson, heard the sound of what seemed to be a flight of a half dozen jets at very low altitude, but when looking out the window they saw a much higher altitude single white / pale-blue light at an estimated 4,000 ft heading S [SW?] which passed nearly over their home slightly offset path to the E at high speed, faster than ever seen before, with none of the green, red or white running lights or wing lights required on night flights. After 7-8 secs, the light made a normal left turn to the S then an "abnormal" climb at about a 45 angle then the light went out. (Sparks; BB files)	7-8+ secs [10 secs?]	2	

851.	2224	Nov. 15, 1952. Wichita, Kansas (at approx. 37°37'N, 97°16'W). 8:25-8:33 p.m. (CST). USAF senior pilot Maj. Robert L. Wallander, CO of B-47 Transition Section, 3520th Flying Training Sq, Air Training Command, and Capt. Ammon L. [G?] Belleman, B-47 airborne observer, A/3c Dewey J. Phipps, were standing near the Kansas National Guard Hangar, Wichita Municipal Airport, when they saw an elliptical object, blue-white when stationary, moving erratically from 290°-295° True azimuth 20° elevation, traveling on a heading of about 45° (NE) to disappear at 360° azimuth 50° elevation, about 1 mile away, red-orange-glow trailing end of object when moving. Phipps estimated object was about 3 ft size at about 1,400 to 1,500 ft above center of runway, as it made jerky 40 ft upward sweeps with 10-15 sec pauses; with each leap an orange trail appeared behind the object. Moved at high speed then stopped, reversed direction then stopped again NNW of Wichita at azimuth 350° elevation 40°, for 2 mins, then moved 10° to North 360°-005° then climbed to disappearance at 50° elevation. (Sparks; BB files; Berliner)	8 min	3	
dup		Nov. 15, 1952. Wichita, Texas [Kansas?]. 8:25 p.m. USAF B-47 crew and passengers saw an elliptical bluewhite object with orange or red tail, moving erratically. (Sparks; BB Status Rpt?; Saunders/FUFOR Index) [Same case as above??] [2015 Note: This is a duplicate of the above case, with some erroneous details.]		multi ple	
852.		Nov. 15, 1952. McAndrew AFB, Newfoundland (47°18' N, 53° 59' W). 9:15 p.m. (AST). Officer-of-the-Day (OD) Lt and Tech Sgt sighted brilliant white egg-shaped object approach rapidly from the SW, then make a sharp flat 90° degree turn when nearly overhead, with no noise, then an "angling" turn climbing back to the SW while making a rapidly undulating, bouncing or skipping motion "like a bobbing cork," until disappearing. Tech Sgt covered his face at one point to brace for impact (according to Ruppelt also the OD "ducked"). (Ruppelt papers; BB files)	5-6 secs	2+	
853.		Nov. 16, 1952. McAndrew AFB, Newfoundland (47°18' N, 53° 59' W). 1:15 a.m. (AST). Air Police Airman/3C Smith on guard duty at the AF Dock at McAndrew AFB sighted bright green oval object moving N to S then made a sharp turn to the E and dropped from sight. (BB files)		1	
854.		Nov. 20, 1952. 10 mi E of Salton Sea, Calif. (at about 33.3° N, 115.6° W). 7:05 p.m. (PST). USAF pilot Lockhard (Maney?) of B-50 from Davis-Monthan AFB, tucson, Ariz., at 16,000 ft heading 275° sighted at his 11 o'clock position [about 245° azimuth] a stationary light that changed color from white to red to green, which then moved heading NW, suddenly "disappeared like turning out a light." Possibly Venus IFO setting at about 241° azimuth (setting time at 16,000 ft corrected for refraction and added flight towards the W, setting at about 7:16 p.m. PST). (Sparks; BB files; Martin Shough; Project 1947)		1?	
855.	2246	Nov. 24, 1952. Annandale, Virginia. 6:30 p.m. L. L. Brettner saw a round, glowing object fly very fast, make right angle turns and reverse course. (Sparks; Berliner)	1 hr	1	

856.		Nov. 25, 1952. White Sands, New Mexico. (Sparks;				
		McDonald list)				
857.		Nov. 26, 1952. Goose Bay, Labrador, Canada. 2:30 a.m.		1		
		F-94 chased maneuverable disc that changed color from				
		white [orange?] to red, as it climbed and turned. (Sparks;				
		McDonald list; NICAP; Project 1947)				
858.	2249	Nov. 27, 1952. Albuquerque, New Mexico [S of Prescott,	20 min	2		
		Ariz. ?]. 12:10 p.m. Pilot and crew chief of USAF B-26				
		bomber saw a series of 20 ft black smoke bursts (4-3-3-4-				
		3), similar to antiaircraft fire. (Sparks; Berliner)				
859.	2253	Nov. 30, 1952. Washington, D.C. 12:30 a.m. (EST).	5 hrs??	multi		radar
		CAA Senior Airways Specialist Austin M. Stapf (not a		ple		
		radar operator or controller) at Washington National				
		Airport CAA Air Route Traffic Control Center (ARTCC)				
		claimed that numerous slow-moving 90-100 mph radar				
		targets appeared on the MEW VG-2 radar. Suggestive of				
		anomalous propagation, but contrary to Stapf and BB,				
		were not "similar" to the July 19/26, 1952, unexplained				
		radar targets: They were unlike the July 1952 cases since				
		there was no visual confirmation, no other radars				
		confirming, and no fighters scrambled. Pilot at 6,000 ft at				
		12:30 a.m. saw nothing. Stapf claimed "same" thing was				
		observed at same time previous night (12:30 a.m. Nov.				
		29??) and that Andrews AFB watch supervisor could not visually confirm targets over Andrews displayed on the				
		ARTCC radar scope. Military witness(es) [?]. (Sparks;				
		Berliner; Saunders/FUFOR Index; BB files)				
860.		Dec. 4, 1952. Colorado Springs, Colo. Bet. 11 a.m. and	1 min	2		
800.		12 p.m. USAF Sgt and civilian sighted round aluminum	1 111111	2		
		colored object traveling E to W, made several right-angle				
		turns while overhead without slowing, then changed shape				
		as it disappeared in the W. (Sparks; BB Status Report 10,				
		Feb 1953, p. 13; McDonald list; Saunders/FUFOR Index)				
L	L	1 to 1505, p. 15, MeDonald list, Saulidelo, 101 Olt liden)	1		l	l .

861.	Dec. 4, 1952. 2 miles SE of Laredo AFB, Texas	8 mins	1	< 30 ??	
001.	(27°33'N, 99°27'W). 8:46-8:56 p.m. (CST). USAF pilot	o mms	1	\ JU !!	
	Lt. Robert O. Arnold, 3640th Pilot Taining Wing, Laredo				
	AFB, flying T-28 trainer aircraft at 6,000 ft and 180 knots				
	air speed saw a bright bluish-white glowing object below				
	him at about 1,500-2,000 ft rapidly climbing to his level,				
	showing no navigation lights. Arnold tightened his left				
	turn to keep object in view, object suddenly climbed to				
	9,000 ft in several secs then dropped down to his altitude				
	again headed E to 6 miles SE of AFB where it stopped and				
	hovered. Arnold pursued on SE heading but after 2 secs				
	object suddenly headed towards him on collision course at				
	high speed at 8:53 p.m., wavering slightly at about 300 ft				
	as if determining which side to pass the aircraft then				
	heading off Arnold's left wing at 150 ft distance, at which				
	point he could see object as a blurred reddish-bluish haze				
	smaller than his T-28, all of which happened too fast for				
	evasive action. Object rapidly ascended to 15,000 ft then				
	circled left as if positioning for another pass at T-28.				
	Arnold in fear turned off running lights, spiraled down to				
	1,500 ft while keeping object in sight as object continued				
	to head towards him in a dive then pulled up and climbed				
	S out of sight. Lighted weather balloon launched at 8:53				
	p.m. from Laredo AFB but was not observed by US				
	Weather Bureau observers near any aircraft. (Sparks; BB				
	files; NARCAP; BB Report 10, Feb 1953, p. 15 [BB date				
	error Dec. 5]; Project 1947)				
dup	Dec. 5, 1952. Lackland AFB, Texas. 8:48 p.m. USAF		1		
uup	pilot of T-28 saw a blue light maneuver in a		1		
	counterclockwise orbit then climb. BB date and location				
	error; case is duplicate of Laredo AFB case above.				
	(Sparks; Project 1947)				
	(Spaiks, 110ject 1747)				

862.	Dec. 6, 1952. About 100 miles S of Louisiana coast in	10 mins	6	radar-
002.	Gulf of Mexico, at 28°10' N, 92°04' W. 5:25-5:35 [5:37?]	[12?	U	visual
	a.m. (CST). USAF crew of B-29 bomber, based at 3510th	mins]		visuai
	Flight Training Wing (Medium Bomber), Randolph AFB,	mmsj		
	Texas, radar observer 1st Lt Norman Karas, radar			
	observer/Instructor Navigator 1st Lt. William W.			
	Naumann, Jr., Staff Sgt B. R. Purcell, Staff Sgt. William J.			
	De Rause, 2nd Lt. Robert J. Eckert, Staff Sgt. Harry D.			
	Shogren. B-29 flying at 20,000 ft, heading 320° true			
	ground track (315° heading with wind from 276° 24			
	knots), 186 knots (214 mph) ground speed, 204 knots true			
	air speed, tracked on radar one or a few high speed targets			
	at a time moving in a straight line at about 5,240 stat. mph,			
	followed by more targets [one or one new group about			
	every minute for 5 minutes also moving SE [ESE]			
	typically at about 5,000+ mph. Initial targets, about 4			
	small blips in a group, approached from 330° true on a SE			
	[ESE] heading moving 12-14 NM per 2.25 sec radar			
	sweep [about 22,000 to 26,000 mph] passed B-29 at 15-20			
	(naut.) miles range at 70° true azimuth when stopwatch			
	timing began, and disappeared at true azimuth 150° at a			
	timed speed of 5,240 mph [apparently slowed]. Karas			
	alerted the crew to the radar targets over the intercom.			
	Twice radar observer Naumann called out a radar target in			
	3 or 4 o'clock position then visual observers Purcell and			
	de Rause sighted corresponding blue-white flashes moving			
	at high speed from left to right, front to rear on the right			
	side of B-29, for 3 secs till disappearing [at roughly 5			
	o'clock position based on drawing in BB file] (estimated			
	at 18,000 ft and 25 miles away). Naumann saw a group of			
	radar targets move from 330° to 150° heading SE then			
	"swing" around behind B-29 maintaining constant 30			
	(naut.) miles range for 10 secs then disappeared. Eckert			
	saw radar targets on the left side of the B-29 move rapidly			
	from 10 to 9 o'clock position closing in distance. Karas			
	said up to 20 radar targets 1 or 2-3 at a time were seen			
	mostly small round targets except one which was larger			
	and shaped like an upright semi-circle arc open to the right			
	moving to the right. Karas also tracked a "large" target			
	approach from behind to 40 miles then disappear. Shogren			
	sighted radar target moving from 10 to 9 o'clock position			
	on scope [to the W]. At 5:35 a.m. (CST) Naumann			
	tracked several (5?) blips merging into a ½-inch arc about			
	30 nautical miles away (on 5-inch diameter radar scope set			
	to 50 n.mi. radius thus about 10 nm arc) at 320° [true]			
	bearing and crossed the scope moving out of range at			
	9,000+ mph. (Sparks; NICAP; McDonald; cf. Condon			
962	Rpt pp. 148-150; etc.)	2 min ==	1	
863.	Dec. 6, 1952. Angoon, Alaska. 9:15 a.m. (AHST). Air National Guard pilot saw 2 shiny spheres connected by a	3 mins	l	
	solid rod heading S, changed shape, and accelerated to			
	disappearance. About 50 ft in size. (Sparks; BB Report			
	10, Feb 1953, p. 17)			
	10, F00 1955, p. 17)			

864.	2266	Dec. 8, 1952. Ladd AFB, Alaska. 8:16 p.m. Pilot 1st Lt. D. Dickman and radar operator 1st Lt. T. Davies in USAF F-94 jet interceptor (s/n 49-2522) saw a white, oval light which changed to red at higher altitude, fly straight and level for 2 mins on 240° course, then climb at phenomenal speed on an erratic flight path. After landing object could still be seen moving erratically, no noise, for 3 mins then took up 160° heading gaining speed while descending, becoming brighter red. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich)	10 mins	3-4	RV?
865.	2267	Dec. 9, 1952. About 10 miles S of Madison, Wisc. (at 42°57' N, 89°20' W). 5:45 p.m. Capt. Bridges and 1st Lt. Johnson in USAF T-33 jet trainer saw 4 bright lights, in diamond formation, fly at 400 mph heading 130° or about SW at about 8,000 ft. They followed objects at 450 mph until passing (overtaking) them near 10 miles NE of Janesville, Wisc. (at 42°47' N, 88° 55' W) at 5:50 p.m., at which time they radioed the ADC 755th AC&W radar site "Soapberry," which could not detect objects, only the T-33. Objects continued on 90° E heading and T-33 followed until breaking off due to low fuel at 5:55 about 10 miles W of Racine, Wisc. (at 42°45' N, 88° 0' W). No silhouette visible even when objects seen against Milwaukee city lights. (Sparks; Berliner; cf. Hynek-CUFOS re-eval; Jan Aldrich; BB Report 10, Feb 1953, p. 18)	10 mins	2	
866.		Dec. 10, 1952. Pope AFB, South Carolina (at 35°01'N, 75°01'W). 9:20 a.m. (EST). USAF Capt Albert F. Perna, Chief Controller, controller Capt Duane Ulstad, and radar operators MSgt R. DeGordin, Capt Ralph E. Coburn, and Capt Stephen Lesko, at 728th AC&W Sq using CPS-5D (1250 MHz) search radar, and height-finding MSQ-1 (2730 MHz) and MPQ-10 radars tracked almost stationary target of ordinary aircaft shape and size on the scopes, at 8,700 ft slowly descending to 4,400 ft and 8½ miles S of station (or at 155° azimuth?) not eliminated by moving-target indicator (MTI). F-51 and 3 other aircraft investigated but found nothing; 8 transient flights saw nothing. Same (?) target observed on Dec. 11; also on Dec. 9 but at about 7 miles range ~170° azimuth. (Sparks; BB files; McDonald list; Saunders/FUFOR Index; BB Report 10, Feb 1953, p. 20)	7 hrs 55 mins	5	
867.		Dec. 10, 1952. Hungnam, Korea. USN pilot flying aircraft in near-collision with orange fireball. (Sparks; Weinstein; BB files??)			

868.	Dec. 10, 1952. Odessa-Hanford, Wash. (at 47°20' N, 118°40' W). 7:15-7:30 p.m. (PST). F-94B crew on combat air patrol protecting Hanford AEC plant, pilot Lt. Harsh and radar-navigator Lt. Batison, spotted a light while flying 265 mph at 26,000-27,000 ft and approached to identify it, UFO performed Chandelle maneuver as in an aerial dog-fight. Object appeared large, round and white with dim reddish light coming from two "windows," came at F-94 on collision course, F-94 banked to avoid impact, lost visual contact. Simultaneous radar-visual with radar contact from 150 yards to 18,000 yards (10.2 mi) range from level 0° elevation to -20° and azimuth 0° (N) to 90° (E) with lockon once [?] on airborne APG-33 radar, lost contact when UFO went out of range. Alleged Skyhook balloon explanation refuted by no record of launch and 280+ mph speed and maneuvers. Star Sirius explanation is refuted as not risen yet (rising time at F-94's altitude and nearest location at end of sighting was after 8:10 p.m.), thus not visible, and would have been in wrong direction (in ESE instead of N, etc.). (Sparks; BB Maxwell Microfilm Roll 17, pp. 244-248; BB Report 10, Feb 1953, p. 19; Ruppelt pp. 43-44; NARCAP; Menzel 1963)	15 mins	2		radar- visual
869.	Dec. 11, 1952. Leonardo, NJ (40°25'N, 74°04'W). 11:43 p.m. (EST). Two schoolteachers with military backgrounds at Croydon Hall Academy, Francis J. Auermuller and Elmer W. Inglesby, were observing the constellation Orion in the S and sighted a red metallic sphere from the right of Orion headed left into the sword of Orion at about 45° elevation about due S at 180° azimuth, pass through to about 135° azimuth then reverse course with almost no turn radius then gradually lower elevation to 35° till reaching 180° azimuth and disappearing due to distance. Estimated size possibly 200 ft at 25,000 ft distance traveling 2,000 mph [45° azimuth or about 30° arc at 45° elevation, at 25,000 ft range in 15 secs, is about 600 mph]. (Sparks; BB files)	30 secs	2	4/5	
870.	Dec. 12, 1952. McGuire AFB, Trenton, NJ. 12:25-12:31 a.m. (EST). Two airmen in the 568th Motor Vehicle Sq, McGuire AFB, sighted object to the ESE heading WSW towards the base until passing overhead then change course heading S, observed 1+ min until it disappeared, then regained it at 12:30 a.m. in the ENE headed towards base course to WSW, observed 40-50 secs. (Sparks; BB files)	>1 min + 40-50 secs	2		
871.	Dec. 14, 1952. Charlottesville, Virginia. 11:45 a.m. (EST). Aeronautical engineer former test pilot saw a light orange elliptical shaped object, hovering then move NE at extreme speed, 1,000+ mph estimated. Object gave off discharge that changed brightness when object moved; debris lofted in the air apparently by the object. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	55 secs	3		aeronautica l engineer
872.	Dec. 15, 1952. Goose Bay, Labrador, Canada. 7:15-7:40 p.m. (AST). F-94 chased maneuverable disc that changed color from white to red, and tracked it on airborne radar. T-33 crew also sighted it. (Sparks; BB Report 10, Feb 1953, p. 27; NICAP; Saunders/FUFOR Index)	25 mins	2-3?		radar

873.		Dec. 15, 1952. Honshu, Japan. Radar tracking. (Sparks;			
673.		McDonald list; Saunders/FUFOR Index)			
874.		Dec. 15, 1952. Hartsville, South Carolina. 9:15 a.m.	10-15	1	
0,		(EST). Major Ruffin W. Gray, USAF pilot of RF-80,	secs	-	
		363rd Tactical Recon Group, Shaw AFB, headed W at 300			
		mph at 15,000 ft saw a bright circular or spherical silvery			
		object about 10+ miles away at 11 o'clock High position,			
		at 30,000+ ft, losing and gaining 3,000 ft altitude at rate of			
		about 5,000 ft/min [ft/sec]. (Sparks; BB files; BB Report			
		10, Feb 1953, p. 25; Project 1947; Saunders/FUFOR			
0==		Index)			
875.		Dec. 15, 1952. Greensboro, North Carolina. 9:25 a.m.	45 secs	2	
		(EST). Lt. Robert H. Williams, USAF pilot of RF-80,			
		363rd Tactical Recon Group, Shaw AFB, plus flight leader of the other RF-80, heading N at 300 mph at 25,000 ft saw			
		a bright circular or spherical silvery object with 2			
		projections on top, which circled around them from 11			
		o'clock to 6 o'clock position. (Sparks; BB files; BB			
		Report 10, Feb 1953, p. 26; Project 1947;			
		Saunders/FUFOR Index)			
876.		Dec. 19, 1952. Andersen AFB, Guam. 6:50 a.m. USAF	6-45 secs	5+	
		Major Robert K. McKown and Capt Donald C.	+ 45 secs		
		MacDonald, pilots of B-17 bomber headed 150° Mag	[?]		
		about 130 miles NNW of Guam, and 2 ground witnesses			
		of 54th Strategic Recon Wing, A/2c Lorne A. Anderson,			
		A/3c Merlin T. Johnson, and a Navy Cdr. witness, saw a			
		silvery cylindrical object emitting exhaust. (Sparks; BB			
877.		Report 10, Feb 1953, p. 30; Saunders/FUFOR Index)	15 mins	1	
6//.		Dec. 22, 1952. Larson AFB, Moses Lake, Wash. [??] 7:30 p.m. Instrument technician stopped his car to watch a	13 111118	1	
		hat-shaped glowing object rising vertically in odd spurts			
		right and left, then level off at high speed, glowing white			
		with a red side when rotated, and halfway through a roll no			
		light, then held stationary in the sky with jumpy			
		movements, S of Jupiter (which was to the SSE at about			
		151° azimuth 53° elevation). Case file missing? (Battelle			
		Unknown No. 6)			
878.		Dec. 24, 1952. Camp Carson, Colo. 4:17 p.m. (MST). 3	2-3 mins	3	
		airmen of 3924th Air Police Sq, Camp Carson, sighted			
		silver circular object hovered 2-3 mins to the S about 4			
		miles away at 2,000 ft, emitting intermittent white lights,			
		no exhaust, no trail, then changed to tear-shape and			
		disappeared at high speed. (Sparks; BB files; BB Report 10, Feb 1953, p. 32; McDonald list; Saunders/FUFOR			
		Index)			
879.		Dec. 27, 1952. Albuquerque, NM & Amarillo, Texas.	4-20 secs	sever	
0,7,		10:09 p.m. (MST). Military pilot saw an elongated cigar-	. 20 5005	al	
		like object the size of a medium bomber traveling E to W.			
		Probable near-simultaneous meteor IFO with several-			
		minute clock time errors. (Sparks; BB files; BB Report			
		10, Feb 1953, p. 34 [erroneous BB date Dec. 28];			
		Saunders/FUFOR Index)			
880.	2302	Dec. 28, 1952. Marysville, Calif. Civilian witness(es).			
		Case missing. (Sparks; NARA; Saunders/FUFOR Index)			

881.	Dec. 29 [28?], 1952. Chitose AFB, Hokkaido, Japan.	7 mins	sever		radar?
	7:30 [7:39? 7:48?] p.m. USAF crews of B-26 (Ashley and		al		
	Wood) and F-84G (Col. Howard Blakeslee) saw object				
	emitting 3 beams of light and tracked on airborne radar.				
	(Sparks; Weinstein; Saunders/FUFOR Index)				
882.	Dec. 29, 1952. About 35 miles W of Amarillo near Vega,	7-10	2	1/6	
	Texas (at 35°15' N, 102°25' W) and ESE of Tucumcari,	mins			
	New Mexico. 9:05 p.m. (CST). USAF Capt. William T.				
	Bowley and Capt. Herbert T. Lange, both of Perrin AFB,				
	Texas, piloting a B-26 on a training flight headed W at				
	257° at 6,000 ft altitude and 250 knots (300 mph) saw a				
	extremely large and intense bright round bluish-white light				
	with frequent green tints, no trail or exhaust or				
	aerodynamic features, about 3x the size of a C-54 (or				
	about 350 ft) at a distance of possibly 40 miles at their 11				
	o'clock position paralleling their course at about the same				
	altitude 6,000 ft heading forward but closing with the B-				
	26. After 5 mins object suddenly climbed vertically 7,000				
	ft in 5 secs [1,400 ft/sec average, or peak velocity about				
	2,000 mph at about 17 g's] to disappear in thin broken				
	overcast clouds at 13,000 ft and causing the clouds to glow				
	as if lit by searchlight. Bowley radioed the CAA				
	controller in Tucumcari, N.Mex. Shortly after, the object				
	reappeared under the clouds, the CAA controller was told				
	to look for it but couldn't see it [probably because he was				
	told to look in the wrong direction, to the SW, or it was				
	obscured by clouds], after 2 mins it climbed to the W and				
	disappeared. (Sparks; Jan Aldrich)				
883.	Dec. 30, 1952. Terrigal, New South Wales, Australia (at	1 min 20	3		
	33°26' S, 151°27' E). 12 noon. RAAF Wing Commander	secs			
	Tomkins and wife and child [Alexander?] saw an				
	extremely brilliant carbon-arc bright object to the E about				
	7.5° elevation in very slow level flight to the left or N for				
	about 1 min over about 8° of arc, estimated at about 2,000				
	ft height and 2 miles away. Object suddenly turned E and				
	departed away from the observers at high speed				
	disappearing in about 20 secs. (Sparks; Jan Aldrich;				
	Saunders/FUFOR Index)				
884.	Dec. 31, 1952. NE of Ramey AFB, Puerto Rico. 4:50		3		
	[4:45?] a.m. USAF crew of RB-36 saw a large red-orange				
	ball of light pass the plane. (Sparks; Weinstein;				
	Saunders/FUFOR Index)				
885.	Jan. 1, 1953. Mobile, Alabama (at 30°38' N, 88°7' W).	30 secs	1	1/50 —	
	Brookley AFB USAF Capt. and senior pilot saw to the W			1/25	
	from a drive-in theater a bluish-white object 1-2 ft size			-	
	with a short exhaust trail in rapid level flight left to right				
	through 80° arc about 2,000-3,000 ft altitude, 1 mile				
	distance, 250-300 knots speed, started climbing turn at the				
	end and suddenly disappeared like turning off a light.				
	(Sparks; Hynek-CUFOS-Willy Smith files)				

886.	2315	Jan. 1, 1953. Bet. Wolf Creek and Craig, Montana (47.20°	10 secs	3		
		N, 111.83° W). 8:45 p.m. (MST). While diving in car on				
		Hwy 91 about 10 [20?] miles SW of Cascade, Warner E.				
		Anderson, manager of photo shop with wartime air spotter experience, Mrs. Greta C. Wills, manager of women's				
		apparel store, teenager Marlene Wills, saucer-shaped				
		object above horizon about 5 miles away to the SW.				
		Object estimated 25-40 ft long and 6-8 or 18-25 ft thick,				
		like two soup bowls joined at rims with a red glowing				
		bottom, portholes or windows. UFO dove low at varying				
		10-50 or 100-200 ft height over Missouri River to within				
		150-300 ft distance then climb fast in a horizontal attitude				
		at estimated 3,600 mph to the NE. (Sparks; BB files; BB				
		Report 10, Feb 1953, p. 37 [BB date error of Jan. 3];				
		Berliner)				
887.		Jan. 6, 1953. Near Dallas, Texas [and Oklahoma City,		many		radar?
		Okla.?]. 1/1:05 a.m. (CST). (Sparks; McDonald list;				
		Saunders/FUFOR Index)				
888.	2323	Jan. 8, 1953. Larson AFB, Moses Lake, Wash. (47.1° N,	15 mins	60+		
		119° W). 7:15-7:30 a.m. (PST). USAF ADC 82nd				
		Fighter Interceptor Sq personnel, including Lt Col				
		squadron commander, all on the ground, saw a green, disc-				
		shaped or round object about the size of large weather				
		balloon, flying to the SW, with a vertical bobbing motion				
		and sideways movements, at about 8,000 ft, below				
		scattered clouds at 9,000 ft and overcast at 12,000 ft,				
		moving away against the wind from 240° until disappearance due to distance not entering clouds. Also				
		observed by base personnel at Ephrata, Wash., about 10				
		miles WNW of Larson AFB, driving to work at the base.				
		F-94 airborne at 7:43 a.m. searched for 30 mins but UFO				
		had already disappeared at 7:30 a.m. No radar tracks.				
		(Sparks; BB files; Berliner; McDonald 1968)				
889.		Jan. 9, 1953. Misawa AFB, Japan. 6:50 p.m. (Sparks;	2 mins			
		McDonald list)	-			
890.	2326	Jan. 10, 1953. 8 miles NW of Sonoma, Calif. 3:45 or 4	60-75	2	1/2	
		p.m. [4:45 p.m. PST?] Retired AF Col. Robert McNab,	secs			
		and Mr. Hunter of the Federal Security Agency saw a flat				
		object to the NW at 45° elevation traveling about 2,400				
		mph make three 360° right turns in 2-3 secs each in about				
		1/8 radius required for jets [i.e., about 1/4 mile radius and				
		300 g's], two abrupt 90° turns to the right and left, each				
		turn 5 secs apart, almost stop, accelerate to original high				
		speed, almost stop again, speed up again and finally fly out				
		of sight vertically. Sound similar to F-86 at high altitude.				
001	2225	(Sparks; Hynek UFO Rpt pp. 115-6)	22			
891.	2337	Jan. 17, 1953. Near Guatemala City, Guatemala. 3:55	22 secs	1		
		p.m. Geologist/salesman J. J. Sackett saw a brilliant				
		green-gold object, shaped like the Goodyear blimp with				
		length/height ratio 2:1, fly 400 mph straight and level, stop, then fly straight up with one stop. (Sparks; Berliner)				
892.		Jan. 23, 1953. Bergstrom AFB, Texas. 3:40 p.m. (CST).	19 mins	1?		radar
074.		(Sparks; McDonald list; Saunders/FUFOR Index)	17 1111118	1 !		raual
	J	(oparks, medonard list, Saunders/FUTOR muck)	1	l l		L

			1		
893.	2361	Jan. 28, 1953. Point Mugu, Calif. 1:06 p.m. R.W. Love,	3+ secs	2	
		owner of Love Diving Co., and Mr. Ferrenti, while	[6 mins?]		
		engaged in retrieving radio-controlled drones on a boat			
		1,100 yards offshore S of the Pt. Mugu Naval Air Missile			
		Training Center, saw an 18-20-inch [18-20 ft?] white, flat			
		disc with fuzzy or shimmering edges rapidly approach			
		from about 305° azimuth (about NW) fly straight and level			
		overtaking a jet aircraft flying at 150-200 knots in 3 secs,			
		pass overhead, disappearing in haze to the E. (Sparks;			
		Berliner; cf. Jan Aldrich; Randle)			
894.	2364	Jan. 28, 1953. Corona, Calif. 6:05 p.m. USAF T/Sgt.	12 mins	1	
674.	2304	George Beyer saw five 25 ft green spheres fly in V-	12 111113	1	
		formation, then change to trail formation at which time the			
		end objects turned red. (Sparks; Berliner)			
895.	2365		12-20	2	rodor
893.	2303	Jan. 28, 1953. Turner AFB (31°36' N, 84° 6' W), Dobbins,	I I	2	radar
		Georgia. 9:40-10:00 p.m. (EST). USAF senior pilot at	mins [25		
		Moody AFB, Major Hal W. Lamb, apparently saw the	mins?]		
		setting planet Venus changing color and shape (at 267°-			
		270° azimuth 3° elevation dropping below horizon, his			
		estimates varying from 250° to 295°-310° azimuth) while			
		flying a T-33, also seen by Turner AFB tower operators			
		(with time errors of about 10 mins). At about 9:40-9:48			
		(reported as 9:50-9:58) 2 GCA radar maintenance men at			
		Turner AFB radar tracked 3 moving targets and a			
		stationary target (at due W 270° azimuth, range 26			
		miles?). At 10:00 (reported as 10:10), the GCA reported 2			
		stationary targets at 17 and 27 (or 23-27?) miles both 300°			
		azimuth. No visual confirmation though binoculars used.			
		(Sparks; Jan Aldrich; Saunders/FUFOR Index)			
896.		Jan. 28, 1953. St. Georges, Delaware. 5:18 p.m. (EST). 4	10 mins	4	binoculars
		witnesses driving S on St. Georges Bridge, 3 of whom			
		were members of UFO investigation group, Mrs. Gene			
		Thropp, Mrs. Lucille T. Nichols and Mrs. W. Forman, saw			
		a rose-orange 7-inch [?] shiny disc-shaped object with a			
		"white tail" at their 8 o'clock position heading S at about			
		10° above the horizon traveling about 100 mph, no sound			
		no trail. Object seen through binoculars reversed course to			
		the N then continued alternating heading N to S. (Sparks;			
		Jan Aldrich)			
897.		Jan. 29, 1953. Presque Isle AFB [Caswell?], Maine. [9:55]	[4 mins?]	3+	RV?
0,7,		a.m. (EST)?] Three or more fighters from 7th Fighter	[-	
		Interceptor Squadron and other squadrons. Radar tracking			
		? by Air Defense Direction Center. (Sparks; Hynek UFO			
		Rpt p. 58)			
898.		Jan. 29, 1953. Conway, So. Carolina. 10:45 p.m. Mr.	20-30	1	RV?
370.		Boothe heard commotion of animals, grabbed gun, saw	mins	1	KV:
		oblong-shaped lighted object 10 ft above trees slowly	111113		
		moving or stationary, low humming sound. Boothe shot at			
		the object 2x, first bullet bounced off with metallic sound,			
		at 2 nd shot object tilted slightly went up at 65° angle to the			
		W at 600-700 mph and disappeared. Cattle deaths claimed			
		connected by townspeople. (Sparks; Jan Aldrich/CUFOS			
000	1	files)			1
899.		Feb. [deleted], 1953. Finland AFS, Minn. 6:29 a.m.			radar
000	225 :	(CST). (Sparks; McDonald list; Saunders/FUFOR Index)			
900.	2384	Feb. 3, 1953. Keflavik Airport, Iceland. 5:25 p.m. Radar	24 mins	2+	radar
		operators tracked 4 unidentified targets. No further data.			
]	(Sparks; Berliner)			

901.	2388	Feb. 4, 1953. Yuma, Ariz. 1:50-55 p.m. U.S. Weather Bureau observer Stanley H. Brown, using a theodolite, tracked in the SSE at 157.2° azimuth 53.3° elevation a white, oblong object almost round, with a solid dull pure white color and a thin white mist completely edging it, flying straight up, leveling off. After 20 secs 1st object was joined by a 2nd similar object that twice flew away and returned to the 1st. Both lost to sight simultaneously behind 25,000 ft altitude cirrus clouds to the SSW at 204.1° azimuth 29.1° elevation after 5 mins timed with stopwatch. Angular size 1 arcminute [1.3 arcmins?]. (Sparks; BB Status Rpt 10; Berliner; McDonald 1968) Feb. 6, 1953. Rosalia, Wash. 1:37 a.m. (PST). USAF	5 mins	1	1/25 (0.5° equiv in theodolit e?)	theodolite; weather observer
		pilot of B-36 saw a blinking white light turn and				
903.		disappear. (Sparks; Project 1947; McDonald list) Feb. 7, 1953. Okinawa. 9:22 p.m. USAF F-94 crew and other witnesses saw a bright orange object change color to red and green at intervals, disappear behind a cloud, ground radar tracking. (Sparks; Project 1947; McDonald list; Saunders/FUFOR Index)	15-35 mins?	5+[?]		RV
904.		Feb. 8, 1953. Barter Island, Alaska (70° 7' N, 143°40' W). 4:50 a.m. (AHST). Military pilot [and another witness?] working at airstrip heard a deep heavy sound and saw brilliant round white object with small ray-like appendages descending in a falling-leaf motion but without the upward swings, then hovered, moved about 50 ft against the wind to original position, after 45 secs began to climb using reverse falling-leaf maneuver, picked up speed changing color to orange tint. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich; Saunders/FUFOR Index)	10 mins	2		
905.		Feb. 10, 1953. Misawa AFB, Japan. 6:45 p.m. (Sparks; McDonald list; Saunders/FUFOR Index)				radar
906.		Feb. 11, 1953. Bet. Tunis, Tunisia, and Tripoli, Libya. 8:45 p.m. (GMT). USAF C-119 transport crew saw a disc pass the plane. Possibly Venus or Jupiter IFO? (Sparks; Project 1947; Saunders/FUFOR Index; Printy)	55 mins	6		
907.		Feb. 13, 1953. Carswell AFB, Ft. Worth, Texas. 2:35 a.m. (CST). Pilots and crew of B-36 aircraft (one named Ruth) saw 3 bright lights of equal intensity in stacked vertical echelon formation approaching at moderately high speed (cruise speed of F-86), one object suddenly accelerated then came to complete halt and the other 2 objects did the same, then returned to original formation and repeated the maneuver, ending in a horizontal echelon with center object the pivot, then all climbed steeply in "swinging" motion at high speed. Possible ground radar contact. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich; Saunders/FUFOR Index)	10-15 mins	9		RV?

		·			
908.		Feb. 13 [12?], 1953. Vichy, Missouri. 8:30 p.m. USAF	5-10+	3	
		Capt. Robert Bailey, his FO, and crew chief of C-47	mins		
		transport at 7,000 ft, 170 knots (200 mph) airspeed,	[1 hr?]		
		heading 43° (NE), saw a small round light as they neared	,		
		the Vichy Radio Range Station. Light changed intensity			
		and looked like it was on collision course at 238° bearing			
		[heading? from behind or in front??]. Bailey turned on			
		landing lights to try to signal it, light then stopped its			
		approach, flew off their left wing at about 1 mile while			
		changing color from red to amber to green. After 5-10			
		mins the light dropped back, increased speed, made 3			
		dives and zooms on a parallel course before disappearing.			
		(Sparks; NARCAP; Saunders/FUFOR Index)			
909.		Feb. 16, 1953. Ramer, Alabama. 5:30 [4:30?] p.m. (EST).	20 mins	2	
		Hawk and Stern. (Sparks; McDonald list; BB Status Rpt			
		10; Saunders/FUFOR Index)			
910.		Feb. 16, 1953. Turnagain Arm (S of Anchorage) [Willow?]	15 mins	2	
910.		(61°42' N, 150° 8' W)], Alaska. 11:50 p.m12:05 a.m.	1.5 1111118	2	1
					1
		[11:45 p.m. (AHST)?]. C-47 crew pursued nocturnal light			
		which was below horizon, then ascended, hovered,			1
		maneuvered, disappeared. Initially to the E, after			1
		hovering, C-47 turned to pursue on 345° heading, object			1
		accelerated, brightened and decreased in size, C-47 chased			
		at 270°-290° heading to disappearance in 45 secs.			
		(Sparks; Willy Smith pp. 43-48; Saunders/FUFOR Index)			1
911.		Feb. 17, 1953. Elmendorf AFB, Alaska. 6:55 p.m.	5+ mins	6	
		(AHST). Ground observers and fighter interception.			1
		Nocturnal light with rapid vertical takeoff. (Sparks;			
		Berliner; Saunders/FUFOR Index)			
912.	2419	Feb. 17, 1953. Wurtsmith AFB, Port Austin, Mich. (at	~22 mins	5	1
712.	2717		-22 1111115	5	
		44°02'22" N, 83°00'06" W, elev. 647 ft). 10:04-10:25			
		p.m. (EST). 2 officers and 3 airmen of USAF 754th			
		p.m. (EST). 2 officers and 3 airmen of USAF 754th AC&W squadron saw an object larger and brighter than a			
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917.	2543	Feb. 27, 1953. Shreveport, Louisiana. 11:58 a.m 12:02	4 mins	1		
917.	2343	p.m. USAF airman/private pilot saw 5 yellow discs make	total	1		
		circular turns, flutter, 3 vanished first, then the other 2	totai			
		flew erratic square turns. (Sparks; Berliner)				
918.		March 3, 1953. 130 miles W of Luke AFB, Phoenix,	7 mins	3	1/2 to 1	gun camera
710.		Ariz., near Blythe, Calif. 1:25-1:32 p.m. (MST). USAF	, 111115	5	1,2 to 1	film
		Capt. Roderick D. Thompson, 3600th Fighter Training				11111
		Group, Luke AFB, instructor pilot in an F-84 at 25,000 ft				
		500 mph TAS heading 305° Mag spotted 300-500 ft wide				
		aircraft leaving contrail crossing his path at 10 o'clock				
		high position from left to right at about 35,000 to 45,000 ft				
		and about 400 mph TAS, visible only by condensation				
		vapor emitted from manta-ray shape flat surface. Student				
		pilots of two F-84's, Lt. Jack E. Brasher and Lt. Thomas				
		W. Hale, saw the object but did not follow the pursuit.				
		When Thompson turned to pursue object climbing at full				
		power at about 560 mph, object made slight dipping turn				
		to NW and began climbing at about 20° angle and object				
		appeared to be very thin, and immediately began to form a				
		heavy condensation trail behind it for roughly 1,000 ft and				
		split in two for about 1,000 ft but which ended abruptly				
		and moved with the object, the trail not being left behind. Thompson reached 30,000 ft and closed to within roughly				
		5-10 miles of object to a point over Colorado River N of				
		Parker Dam, about 70 miles N of Blythe, when he took				
		151 frames or about 30 ft [6 ft?] of gun camera film of				
		object, 16 mm N-9 camera, apparently at 16 fps 1/40 sec				
		exposure setting [9.4 secs]. (Sparks; BB Rpt 11; NICAP				
		website; McDonald list; Ruppelt pp. 229-230;				
		Saunders/FUFOR Index)				
919.		March 5, 1953. Congaree AFB, South Carolina. 3:45	18 mins			
		p.m. (EST). (Sparks; McDonald list)				
920.		March 5, 1953. Shaw AFB, South Carolina. 5:07 [3:45?]	1 hr?			radar
		p.m. (EST). (Sparks; McDonald list)				
921.		March 9, 1953. Ashiya AFB, Kyushu, Japan (34°42' N,	35 mins			radar
		135°16' E). 6:30 a.m. (Sparks; McDonald list;				
000	2.400	Saunders/FUFOR Index)				
922.	2490	March 10-11, 1953. Hackettstown, New Jersey. 4 [2?]	1 min+	1		
		a.m. (EST). Mrs. Nina Cook, an experienced private pilot	[10			
		and wife of a Pan Am flight engineer, saw a large light, blinking at 10-15 times per minute, move up and down	mins?]			
		along a mountain range. Earlier sighting at 9 p.m.?				
		(Berliner; Saunders/FUFOR Index)				
923.	2496	March 14, 1953. N of Hiroshima, Japan (at 37°25' N,	5 mins	10		RV
,23.	2470	132°25' E, Sea of Japan). 11:45 p.m. [2:43 p.m.?] USN	2 1111113	10		10.4
		pilot Lt. Wooton, copilot Lt. J. S. Rose, navigator Lt. D.				
		W. Carey, Capt. G. E. Truelove, radarmen G. F. Delmel				
		and R. D. Kelly, radiomen J. Schaefer and J. L. Chavers,				
		other crewmen L. B. Brown and G. E. Noiseux of U.S.				
		Navy P2V-5 patrol plane saw groups of 5-10 colored				
		lights, totalling 90-100, slowly move aft of the left side of				
		the airplane at a range of 3-7 miles as estimated by copilot.				
		Unidentified target tracked at 7 miles range by airborne				
		APS-20 radar from 45° to 250° relative bearing. (Sparks;				
		Jan Aldrich; NICAP; Saunders/FUFOR Index)				
924.		March 20, 1953. Pork Chop Hill [Old Baldy?], Korea. 11				radar
		p.m. (Sparks; McDonald list; Saunders/FUFOR Index)				

925.	2511	March 21, 1953. Elmira, New York. 3:05 p.m. (EST). 4	few secs	4	
		GOC observers at GOC observation post saw 6 discs in a			
		group fly high and fast. (Sparks; Berliner; Saunders/FUFOR Index)			
926.		March 23, 1953. Pasadena, Texas. 10:12 p.m. (CST).	30 mins		RV
)20.		(Sparks; McDonald list; Saunders/FUFOR Index)	50 111113		IC V
927.	2521	March 25, 1953. San Antonio, Texas. 3:05 [11:15 CST ?]	1.5 hrs	2	
		p.m. USAF Capt. and Mrs. D. E. Cox saw several lights,			
		some moving straight, others making 360° turns. (Sparks;			
		Berliner; Saunders/FUFOR Index)			
928.		March 25, 1953. Nouasseur AFB, Rabat, French	52 mins	4+	RV
		Morocco. 9:23-10:15 p.m. (GMT). Majors Radin and			
		Rend plus 1+ crew of C-47 at 5,000 ft saw white light			
		above at 7,000 to 8,000 ft maneuvering in spiral pattern			
		over airfield, descend and land on airbase S of runways at			
		9:28 p.m. visible until suddenly blinked out on the ground at about 10:15. (Sparks; Hynek UFO Rpt pp. 83-87;			
		Saunders/FUFOR Index)			
929.	2524	March 27, 1953. Mount Taylor, New Mexico. 7:25 p.m.	4 mins	1	
)2).	2321	(MST). Pilot of USAF F-86 jet fighter at 600 knots (700	1 IIIIII	1	
		mph) saw and chased a bright orange circle flying at 800			
		knots (900 mph), and executing three fast rolls. (Sparks;			
		Berliner; Saunders/FUFOR Index)			
930.	2526	March 29, 1953. Spooner, Wisc. 3:45 p.m. (CST). L. C.	15 secs	1	
		Gillette saw an aluminum, circular object fly high and fast,			
		twice reversing its course. Note: Gillette saw a similar			
		object in 1938. (Sparks; Berliner; Saunders/FUFOR			
021		Index)	20 mins		
931.		March 31, 1953. Honshu, Japan. 7:35 p.m. USAF F-84 jet. (Sparks; McDonald list; Saunders/FUFOR Index)	30 mins		
932.	2535	April 8, 1953. Fukuoka, Japan. 7:55 p.m. 1st Lt. D. J.	45 secs	1	
752.	2555	Pichon, pilot of USAF F-94B jet interceptor, saw a bright	[18	1	
		blue light descend, accelerate, fly parallel to the F-94,	secs?]		
		increase its speed and blink out. (Sparks; Berliner;	-		
		Saunders/FUFOR Index)			
933.		April 8, 1953. Bet. Goose Bay, Labrador, and	6 secs?	2	
		Sondrestrom AFB, Greenland (at 66° 0' N, 53°30' W). 7			
		p.m. (AST). USAF MATS transport pilot Swenson and			
		copilot saw a white light at 15,000 ft on a steady course in			
		a shallow descending turn. (Sparks; Project 1947; Saunders/FUFOR Index)			
934.		April 12, 1953. Sweetwater, Nevada. 3:10 p.m. (PST).	2 mins?	4	radar?
734.		USAF crew of C-47 en route to Stead AFB, Nev.,	2 1111115!	4	radar :
		observed 10 round flat metallic objects changing			
		formation traveling at high speed on 110° heading at about			
		7,500 ft [objects' altitude or C-47's?]. No trail, sound, or			
		exhaust. Objects passed under right nacelle of C-47, now			
		observed by copilot who took control of the C-47, and			
		made tight 300° right turn for a better view, then 2 more			
		crew sighted the UFO's. Objects then made a right turn of			
		greater radius than the C-47's turn, at a lower altitude.			
		Objects seen for about 120° of their turn, disappeared on			
		300° heading. (Sparks; NICAP; McDonald list; Saunders/FUFOR Index; BB Rpt 11, p. 12)			
935.	1	April 14, 19, 21, 23, 1953. Antung, Manchuria, China.			RV
, , , , , ,		(Sparks; McDonald list; Saunders/FUFOR Index)			10,
	1	(Spains, Habbonara not, Sadiracio, 1 of Ort mach)	l .		

936.	2542	April 15, 1953. Tucson, Ariz. 5:45 [5:50?] p.m. (MST).	3 mins	1	
930.	2342	S/Sgt. V. A. Locey saw 3 orange lights. (Sparks;	30 secs	1	
		Berliner)	30 Secs		
937.		April 19, 1953. Calumet AFS, MichLake Superior area.	57 mins		radar
937.		7:18 p.m. (CST) [?]. (Sparks; McDonald list;	37 1111118		lauai
		Saunders/FUFOR Index)			
938.	2555	May 1, 1953. 10 miles S of Goose Bay AFB, Labrador,	30 mins	3	triangulatio
750.	2333	Canada. 11:35 [11:20?] p.m. (AST). USAF 59th FIS pilot	30 mms	3	n?
		Capt. R. L. Emberry and radar operator 1st Lt. J. R. Morin			1.
		of F-94 jet interceptor flying at 24,000 ft, and control			
		tower operator, saw a white light or unidentified aircraft			
		with afterburner but unlike any known aircraft, about			
		10,000 ft below the jet, evaded interception by F-94. Both			
		object and F-94 climbed to 40,000 ft but object outpaced			
		the jet and continued climb until out of sight. (Sparks;			
		Berliner; Joel Carpenter; Saunders/FUFOR Index)			
939.		May 4, 1953. Goose Bay AFB? Harmon AFB?, Labrador,		1	
		Canada. 1:50 a.m. [?] Canadian civilian woman saw a			
		football-shaped light metal colored object reflected in a			
		rotating beacon traveling S at high speed, low altitude,			
		disappearing in stratus cloud over the base. Sound like			
		tins striking together. (Sparks; Joel Carpenter;			
		Saunders/FUFOR Index)			
940.		May 12 [2? 13?], 1953. [39 miles NW of ?] Goose Bay	30 mins?	2 ?	radar?
		AFB, Labrador, Canada. 3:20 a.m. [?] [Unidentified radar			
		tracking by USAF F-94 pilot Lt. D. C. Rogers and radar			
		operator Lt. J. A. Lane who attempted interception but			
		unable to make visual contact.] (Sparks; McDonald list;			
941.	2577	Joel Carpenter; Saunders/FUFOR Index) May 27, 1953. San Antonio, Texas. 8:30 p.m. Many	15 min	monti	
941.	2311	unidentified civilians, including Jacobson, saw 9 separate	13 111111	many	
		meandering lights. (Sparks; Berliner)			
942.		June 10-11, 1953. Goose Bay AFB, Labrador, Canada.	2 hrs 26		radar
742.		11:34 p.m2 a.m. (AST). GCA eadar tracking of 25	[2 hrs 15		Tauai
		separate unidentified objects near base traveling about 30-	mins?]		
		100 knots (35-115 mph) in no specific pattern.	mins		
		[Anomalous propagation?] (Sparks; McDonald list;	1111115		
		Saunders/FUFOR Index)			
943.		June 16, 1953. Kelly AFB, San Antonio, Texas. 7:45	5 mins ?		
		p.m. (Sparks; McDonald list; Saunders/FUFOR Index)			
944.		June 17-18, 1953. 15 miles from Iwo Jima. 11:45 p.m.			radar
		(McDonald list; Saunders/FUFOR Index)			
945.		June 21, 1953. Naha, Okinawa. 7 p.m. 9 Japanese and	20 mins	9	9 weather
		Okinawan weather observers saw an unidentified light			observers
		move slowly. No further data in files. (Sparks; Berliner)			
946.	2601	June 22, 1953. Goose Bay AFB, Labrador, Canada. 2:10	5 mins	2	RV?
		[5:40?] a.m. Pilot and radar operator of USAF F-94 jet			
		interceptor saw a red light, flying at 1,000 knots (1,100			
		mph) elude the chasing F-94. (Sparks; Berliner;			
		Saunders/FUFOR Index)			

947.	2606	June 24, 1953. Hampton Bays, Long Island, New York. 12:18-12:21 a.m. Civilian woman Madelaine Ward saw "a large aircraft" of exotic design with a lighted red band around the middle, 100 ft diameter, flying very slowly and low, coming straight toward her house with an oscillating motion, then stop near her, 80 ft above ground, fly backward over the water, hover, making the noise of a swarm of bees. Object's top section supported a series of red lights and a cabin with 4 portholes through which a control panel was visible, no occupant seen. The cabin rose above the object, rotated, then glided back. Object tilted toward the W, rose toward the SE, disappearing within 3 secs at an 80° angle of climb. 2 days later a yellowish moss was found at the site. (Sparks; Vallée Magonia 112; McDonald files; Jan Aldrich; Saunders/FUFOR Index)	3 mins	1	80?	
948.	2606	June 24, 1953. Simiutak, Greenland (66° N, 53.8° W). 11:30 a.m. USAF weather observer Airman/2nd Richard A. Hill saw through a theodolite a rotating red deltashaped or circular object 3x the size of the weather balloon being tracked at 18,000 ft [object size 30 ft ??] collide with and disintegrate the balloon as the object traveled SE to NW. After hitting the balloon it hovered and rotated for 15 secs, then climbed for 5 mins into the wind at 300°. (Sparks; Berliner; Joel Carpenter; Saunders/FUFOR Index)	5 mins+	1	3 ??	theodolite; weather observer
949.	2605	June 24, 1953. Iwo Jima, Bonin Islands. 11:30 p.m. Crew of USAF KB-29 aerial tanker plane. Radar tracked an unidentified target that twice approached to within 0.5 mile of KB-29, and once to within 6 miles. (Sparks; Berliner; cf. Saunders/FUFOR Index; McDonald list)	2 mins	2+		radar
950.		July 3, 1953. Tipp City, Ohio. 11:45 p.m. [GMT? EST?]	3 mins	1?		
951.		Focht. (Sparks; McDonald list; Saunders/FUFOR Index) July 20, 1953. Offutt AFB, Omaha, Nebraska. 9:40 p.m. (CST) [?]. Dupray and Smith. (Sparks; McDonald list; Saunders/FUFOR Index)	9 mins	2?		radar
952.		Aug. 2, 1953. Saraland, Alabama (at 30°48' N, 88°4' W). Between 4:30 and 5:30 [6?] p.m. Woman named Hughes in her backyard looking to the NE saw a highly polished spinning top or cone-shaped object reflecting the sun at low altitude traveling from NW to SE. (Sparks; Hynek-CUFOS-Willy Smith files; Saunders/FUFOR Index)	< 1 min [6 secs?]	1		
953.	2663	Aug. 3, 1953. Amarillo, Texas. 12:04 p.m. Airport control tower chief C. S. Brown saw a round and reflective or translucent object fly straight, stop for 7 secs, speed along, stop again, joined by a similar object, then both fly off in different directions. (Sparks; Berliner)	56 mins	1		

954.		Aug. 5-6, 1953. Near Rapid City, South Dakota, and	4 hrs	many	RV,
		Bismarck, North Dakota. 9:05 p.m. – 1:23? a.m. (CST).	intermitt		triangulatio
		GOC observer Miss Phyllis Killian in Black Hawk, S.D.,	ent		ns
		(about 8 miles NW of Rapid City), reported to Ellsworth			
		AFB bright red object first stationary 4 miles estimated			
		distance to the SE [NE?] low on the horizon then rapidly			
		heading S [SSE?] 30° to the right at roughly 2°/sec angular			
		velocity (estimated by Hynek in interview), toward Rapid			
		City, changing color from red to green becoming			
		"greener" as speed increased. Object then returned to			
		original location to SE of Black Hawk but at a greater			
		distance about 7 miles, disappearing behind hills. ADC			
		radar controller found 2 targets heading S, had difficulty			
		tracking due to ground clutter, 3 airmen sent outside to			
		look saw a high speed light heading S. A few minutes			
		later GOC observer reported the object had returned. An			
		F-84 was vectored and made visual contact then directed			
		to stationary radar target about 15 miles NE of Black			
		Hawk, target started moving 320° Mag out to 70 miles			
		range and F-84 intercept was called off. F-84 pilot was			
		about to land in Rapid City when he noticed silvery object			
		like the brightest star he'd ever seen, to the NW, which he			
		pursued on 350° Mag keeping it at 11 o'clock high, 30°-			
		45° elevation, it disappeared after 30 secs, reappeared for			
		30 sees then faded from sight. A 2nd F-84 was scrambled			
		from Ellsworth AFB, and on a N 360° Mag heading at			
		15,000 ft he saw a target 30°-40° to his right and at level			
		elevation which "jumped" in elevation to 15°-30°, changed			
		color from white to green, was much brighter than a star			
		and was moving in relation to the stars (3 specific stars he			
		picked out for reference). Pilot turned on radar gunsight			
		which showed possible target beyond maximum range of			
		4,000 yards (2.3 miles) and GCI ground radar tracked			
		target 5-10 miles ahead of the F-84 out to 80 miles for 5			
		mins [960 mph?] when intercept was broken off and target			
		went off scope [about 11:42 p.m.?]. About 20 miles from			
		base F-84 pilot, now at 12,000-14,000 ft, saw a red and			
		white pair of lights 10° below the horizon at 180° Mag and			
		height-finder ground radar showed a target at 8,000 ft.			
		Lights visible for 30 sec periods. Radar scope photos and			
		gun camera photos reportedly malfunctioned. (Sparks;			
		NICAP; Ruppelt pp. 232-5; CR pp. 132-6;			
		Saunders/FUFOR Index; NICAP; BB Misc Microfilm			
		Roll 1, pp. 123-151)			
955.	2686	Aug. 20, 1953. Near Castle AFB, Calif. 9:05 p.m.		2+	
		[GMT?] Crew of TB-29 bomber/trainer plane saw a			
		greyish oval object make 4 passes at the airplane (3 times			
		at 10-20 miles distance), then dive vertically as if two			
		objects [?].(Berliner; Saunders/FUFOR Index)			
956.		Aug. 23, 1953. Port Moresby, New Guinea. 12 p.m.			film
		Movie film taken by Drury. (Sparks; McDonald list;			
		Saunders/FUFOR Index)			
957.	2692	Aug. 27, 1953. Greenville AFB, Mississippi. 9:45 p.m.	50 mins	2+	
] ,,,		USAF pilot, M/Sgt., others, all on the ground, saw a			
		meandering light. No further details in file. (Sparks;			
		Berliner; Saunders/FUFOR Index)			
		. ,	l		

0.50	G . 2 1052 G' L' GL . AFR F. 136 . 0.14	1 2 . 2	_	1	1
958.	Sept. 2, 1953. Sidi Slimane AFB, French Morocco. 9:14	3 mins?	2		
	p.m. Lt. Col. William Moore and 1st Lt. J. H. McInnis [in				
	USAF C-47?]. (Sparks; Berliner; Saunders/FUFOR				
959.	Index) Sept. 28, 1953. Palmdale, Calif. 7:10 p.m. [PST?] Radar	6 32232	2?		radar
939.		6 secs?	2!		radar
	observer of USAF F-94C jet interceptor. Visual observation of 1 orange ball traveling 600-700				
	mph. (Sparks; Berliner; McDonald list;				
	Saunders/FUFOR Index)				
960.	Oct. 12, 1953. Offutt AFB, Omaha, Nebraska. 9:05 p.m.	36 mins	3+		radar
900.	(CST). S/Sgt Harold A. Washington and Airman 2nd	30 1111118	3 1		Tauai
	Harold M. [o W?] Napier, 1st Weather Group, Base				
	Weather Station, Offutt AFB. Target appeared in SCR-				
	584 radar "A" scope in NE, 54° elevation, height 22,500				
	ft [~4 miles ground range] on a 250° heading for 10				
	minutes. Gradually changed heading to 70°, height				
	increasing to 37,000 ft [~7 miles], disappearing at 10,000				
	yards slant [ground?] range [~6 miles] at azimuth 70°.				
	Possible weather balloon IFO (radar size similar) drifting				
	at about 10-17 [?] mph and rising at about 400 ft/min (very				
	slow for normal 100 ft/min standard ascent rate). Initial				
	heading opposite of wind direction from 190° to 240° at				
	20,000 to 30,000 ft (5-19 knots). (Sparks; McDonald list;				
	Saunders/FUFOR Index)				
961.	Oct. 15, 1953. Minneapolis, Minn. 10:10 a.m. (CST).	40-55	3	1/20	aeronautica
	General Mills Aeronautical Lab research engineers James	secs		(0.5°?	1 research
	A. Winker, Fletcher L. Bartholomew (MIT meteorologist-			equiv. in	engineers;
	engineer and former AF pilot), and Richard J. Reilly			theodolit	theodolite
	(private pilot with degree in aeronautical engineering and			e)	
	supersonic aerodynamics). During tracking of Project				
	GRAB BAG 79-foot long tear-drop shaped Skyhook				
	balloon at 73,000-74,000 ft [about 40 miles away if at				
	about 20-25 elevation], a 40-50 ft object was spotted,				
	appearing to be over Ft. Snelling 12 to 14 miles SE of				
	observers, at about 130°-140° azimuth, 23°-25° elevation,				
	about 5° below balloon, leaving vapor or smoke trail.				
	Object traveling S in horizontal flight 10° in 9 secs at				
	about 40,000 (to 50,000) ft altitude, roughly 900 to 1,100				
	mph, passed below the sun [at 31° to 32° elevation, 148°				
	to 149° azimuth]. Object left white vapor trail that				
	immediately dissipated so as to keep constant 5° to 8° length during travel of emitting object. Went into				
	"dangerous" vertical dive at about 175°-180° (or 160°-				
	170°) azimuth for about 10-15 secs dropping about 10° to				
	about 15°-20° (or 18°-20°) elevation, object leveled out in				
	a curve 3°-5° azimuth back to the left and vapor trail				
	ceased to be emitted, then object glowed or flashed in the				
	sun 2-3 times for 1 sec each as if metallic and reflective,				
	seen as a gray mass in the theodolite. Disappeared				
	suddenly with flash of light. Angular size about same as				
	GRAB BAG balloon [that was about 40 miles away, thus				
	about 1.3 arcmins]. (Sparks; Hynek UFO Rpt pp. 113-4;				
	Hynek UFO Exp ch. 6, case DD-9; Saunders/FUFOR				
	Index; Project BB Microfilm Roll 19, pp. 1225-1264)				
962.	Oct. 16, 1953. Presque Isle AFB, Maine. 9:30 p.m. (EST)	2 hrs 15			radar
	[?]. (Sparks; McDonald list; Saunders/FUFOR Index)	mins			1
963.	Dec. 3, 1953. North Truro, Mass. (Sparks; McDonald				
	list)				
	I/	1		1	i

964.		Dec. 3, 1953. Holloman AFB, New Mexico. (Sparks; McDonald list)				
965.		Dec. 3, 1953. Newark, New Jersey. 12:15-12:45 a.m. Amateur astronomer watching for meteors saw a tiny reddish-brown oval luminous object flying steady from N to S at high altitude without sound or trail, also observed through binoculars. Half the brightness of Jupiter [mag. – 1?]. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	60-90 secs	1		binoculars
966.		Dec. 3, 1953. Ellington AFB, Houston, Texas. 5:12 p.m. (CST). Civilian ground observers saw a silver grey bright light with "skipping" motion, like a stone skipping on the water, with red trail, same or similar objects seen 3x. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	5 secs + 10 secs + 15 mins	multi ple		
967.		Dec. 5, 1953. Houston, Texas. 8:15 p.m. Children saw yellow-orange ellipse with 40x telescope. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	5 mins	multi ple		telescope
968.		Dec. 16, 1953. Mediterranean. (Sparks; McDonald list) Dec. 16, 1953. Ground site 3 miles WNW of Agoura, Calif., (at 34° 9.75' N, 118° 47' W) and aircraft SW of Long Beach, Calif. 4:58-5:05 p.m. (PST). Lockheed Skunk Works chief Clarence L. "Kelly" Johnson and wife near Agoura and top Lockheed crew aboard WV-2 aircraft near Long Beach about 30 miles away, independently of each other, saw black flying-wing or ellipse or crescent- shaped object about 170-230 ft wide at about 15,000 ±2,000 ft altitude to the W hovering about 30-60 miles away (255° ±1° True to Johnson; 285°-290° True to WV- 2 crew, or 270°-275° magnetic) against the bright sky of the immediate post-sunset background. At 5:04 p.m. after 4 mins to the Johnsons (6 mins to WV-2 crew) object suddenly took off in a shallow climb accelerating [at about 130 g's to approximately earth escape velocity (25,000 mph)] to the W over the Pacific, disappearing in ~10-13 secs (to WV-2 crew) or 90 secs (to Johnson using 8x binoculars) [after reaching 90+ miles altitude]. Projected target radiant at ascent angle of about 5° at about azimuth 270° is at 17 hrs Right Ascension +2° Declination. (Sparks)	7 mins	7+	1/10 (2/3 or 0.3° equiv. in binocs)	world's leading aircraft designer, Cal Tech trained Lockheed chief aerodynami cist, chief test pilots; binoculars
970.	2838	Dec. 17, 1953. Hassleholm, Sweden. Ulf Christiernsson, pilot of the DC-3 aircraft, and flight mechanic Olof Johansson, saw a brilliant metallic sphere at about 2,000 ft [or at 5,000 ft, above a cloud bank?], below their aircraft [?], traveling 700 mph (?) heading S. Balloon? (NARA; Clas Svahn)	4-5 secs [6 secs?]			
971.		Dec. 23, 1953. Bismarck, North Dakota [?]. 3:20 a.m. Ground observer saw 4 yellowish-white oval objects in trail formation with pulsating light the main part of the object and a short ragged red streamer exhaust about 1/4 the size of the object, heading SSW. (Sparks; Hynek-CUFOS re-eval; Jan Aldrich)	1-2 mins			
972.	2840	Dec. 24, 1953. El Cajon, Calif. 8:04 a.m. U.S. Navy Lts. J. B. Howard and L. D. Linhard, flying F9F-2 jet fighters, saw 10 silver oval objects flying at 400+ knots (450+ mph), straight and level. (Sparks; Berliner)	5 mins	2		

973.		Dec. 24, 1953. Scott AFB, Illinois. 10:00-10:14 a.m.	14 mins	mony		binoculars
913.		(CST). Ground observers using binoculars saw 2 oval	14 1111115	many 9		Unioculais
		extremely brilliant silver objects with mirror-like				
		reflections hovering stationary until F-51's were vectored				
		in and the objects disappeared. (Sparks; Hynek-CUFOS				
		re-eval; Jan Aldrich)				
974.	2844	Dec. 28, 1953. Marysville, Calif. 11:55 a.m. Yuba	1.5 min	1		
,, .,		County Airport Manager Dick Brandt saw a saucer, with a		_		
		brilliant blue light, reflecting on a nearby building,				
		hovering briefly at one point. (Sparks; Berliner)				
975.		Jan. 1, 1954. Toms River, Marlton, Woodbury, and Surf	1.5 hrs	25	3/4	multiple
		City (39°40' N, 74°10' W), New Jersey. 10:35 p.m –				binoculars;
		12:05 a.m. (Jan. 2). Navy pilot Lt. JG George G. Morgan				multiple
		of Lakehurst NAS, police chief (or captain?) Richard				triangulatio
		Clement, police officer Oliver G. Osborne and other				ns
		officers, and 20+ other witnesses, saw 3-12 round or oval				
		white objects with fuzzy edges slightly smaller than Full				
		Moon angular size hovering in the sky to the S for 1.5				
		hours as 2 objects circled around one (in 2-4 secs) (seen to				
		the ESE from Woodbury, SW from Surf City at higher				
		elevation), then switched places with each other. Some				
		witnesses (such as Mrs. Worthington and son Norton in				
		Woodbury) attempted to drive towards the objects to				
		investigate. Objects suddenly departed to the SW at				
		extremely high speed growing smaller until disappearance				
		in 1-2 secs covering about 60° of sky. Multiple				
		independent witnesses across a baseline of at least 12				
		miles resulted in triangulation of UFO location near Beach				
		Haven, NJ, seen from distances of about 15 to 40 miles.				
		At least 5 witnesses used binoculars including 7x50				
		Bausch & Lomb. Hynek calculated speed of 90,000 mph,				
		hovering altitude 4 miles, object diameter 1,500 ft [based				
		on distance of 40 miles; or 500-600 ft based on 15-mi				
		distance]. Projected target radiant at assumed nominal				
		ascent angle of about 5° was at about azimuth 225° is at 22				
		hrs Right Ascension -30° Declination. (Sparks; Mary				
		Castner/CUFOS; BB Maxwell Microfilm Roll 19, pp.				
076		1807-1821)	15 .	4	1 /2 0 0	14.5
976.		Jan. 10, 1954. 5 mi N of Sonoita (about 25 mi SSE of	15 mins	4	1/30 ?	McDonald
		Tucson), Ariz. (at 31° 45' N, 110° 41' W, elev. 4800 ft).				+ 2 other
		5:25-5:40 p.m. (MST). James E. McDonald, two other				Univ.
		Univ. of Chicago meteorologists, and another passenger in				Chicago
		a car were driving N on Hwy 83 when McDonald spotted				meteorolog
		a brilliant white stationary object, stellar magnitude about				ists
		-5 to -7, in the SW at about 238° azimuth about 1° to 2°				
		above the Santa Rita Mtns. (elev. about 9,400 ft) about 10				
		miles away, or at a total elevation about 6° to 8° above horizontal. Sun had set below mountains at 243° azimuth,				
		+2° apparent elevation (refraction included), to the right of				
		the UFO. No noticeable parallax with mountains as they				
		drove 8-10 miles further N (with wide swerves W and E				
		by about 1.5 mi), thus distance estimated at >10 miles				
		(size possibly about >15 ft). Lost sight due to mountains				
		as they drove on. (Sparks; Mary Castner/CUFOS)				
977.		Jan. 14, 1954. Kelly AFB, Texas. (Sparks; McDonald				
711.		list)				
	I .	1151)	<u> </u>	l	l	I

978.	Jan. 14, 1954. New York City, New York. 5:30 p.m.			
	USAF crew of B-47 and passengers saw a fiery object hit			
	the aircraft wing without any damage. (Sparks; Weinstein; BB files??)			
979.	Jan. 28 [26?], 1954. Cold Bay, Alaska. [10 p.m.?] USAF	11 mins?		
	crew of C-54 transport saw a red fireball that stopped then			
	passed the plane. (Sparks; Weinstein; BB files??)			
980.	Feb. 1, 1954. 35 miles SW of Tuscaloosa, Alabama [E of	1-1/2 to	2	[triangulati
	Palestine, Texas?]. 2 or 3:15 p.m. (CST). Electronics	5 mins		ng photos
	engineer Verne Baumgartner of Winzen Research and			from
	pilot Glenn Hovland, crew of USN Office of Naval			instrumente
	Research aircraft at 6,000 or 12,000 ft heading E at 80 [?]			d balloon
	or 120 mph towards a Skyhook cosmic-ray balloon at			and chase
	90,000-100,000 ft and 15-30 [20?] miles away from the			aircraft;
	balloon saw 2 then 4 objects for a total of 6 very bright or			binoculars]
	deep white or gray circular objects about 20 ft in size [had			
	to be at least 100 ft for shape to be visible to naked eye if			
	15 miles away] in evenly spaced V-formation (or trail			
	formation?) at about 80,000 or 85,000 ft about 15 miles			
	away at about 45° (or 60°) above horizontal fly over [in			
	between aircraft and balloon] to the left or N of the balloon and around the balloon [??], hover [?] under the			
	balloon in level flight headed ENE then vertically ascend			
	at right angles to level flight out of sight at about 70°			
	elevation in several seconds, estimated speed 1,000 mph.			
	Movie film taken by Bolex camera with 6-inch telephoto			
	lens. Observed through binoculars. Balloon camera took			
	one photo which captured some of the UFO's, which			
	reportedly were translucent (terrain could be seen through			
	them). (Sparks; Hynek-CUFOS-Willy Smith files; BB			
	files; Austin, Minn., Daily Herald, July 22, 1954; Joel			
	Carpenter)			
981.	Feb. 4, 1954. Carswell AFB, Ft. Worth, Texas. 11:00-	6 mins	7+	radar-
	11:06 p.m. (CST). GCA radar operators with 1921st			visual,
	AACS Sq, Det 3, tracked on CPN-4 radar and beginning at			binoculars
	11:01 p.m. sighted visually a dark gray object 225 ft long,			
	as large or larger than B-36 [200+ ft] with long fuselage,			
	"elliptical wings," stabilizer, but with no engines, no			
	sound, no exhaust, about 13-15 miles to SW at about 3,000			
	to 4,000 ft at 200-250 mph. UFO refused radio contact			
	repeatedly attempted on 4 VHF channels and one UHF			
	channel. Odd colored and arranged navigation lights seen.			
	Passed directly over Carswell Tower at about 70°			
	elevation at same 30° heading and all tower operators saw			
	object and watched it until disappeared in NE [ENE?].			
	Tower operator Airman McConnell watched UFO			
	continuously and throughout entire sighting using			
	binoculars. ADC CPS-6B radar at Duncanville confirmed			
	target traveling 240 knots (~280 mph). Carswell AFB			
	radar also confirmed target. (Sparks; BB files; Shough)			

982.		Feb. 4, 1954. Carswell AFB, Ft. Worth, Texas. 11:20 p.m. (CST). GCA radar operators with 1921st AACS Sq, Det 3, tracked 2 targets on CPN-4 radar maneuvering 17 miles to SW at 5,000 ft. Targets merged on scope to <1/4 mile separation at one point then separated again. Trailing target reversed course twice in 3 secs each case between radar sweeps, straight course 1-1-1/2 miles in between, with no noticeable turn in the 180° reversals – about 4 g's if at 200 mph over <1/8 mile radius. (Sparks; BB files; Shough)	10? mins		radar- visual?
983.		Feb. 15, 1954. Near Savannah River AEC site, South Carolina. 10:15-10:36 p.m. (EST). USAF ADC radar operator S/Sgt. K. A. Payne, 728th AC&W Sq, Donaldson AFB, Greenville, South Carolina, using MPS-7 radar tracked high speed unidentified target the size of about 2 normal aircraft to the S at 203° azimuth at roughly 100 miles range (at about 33.5° N, 83.0° W, near Siloam, Ga.) heading E about 100° true at about 360 knots (400 mph) and 20,000 ft altitude as of 10:18 p.m. (when near Crawfordville). At 10:21 at about 33°28' N, 82° 5' W (near Augusta) the target had reached 22,000 ft and turned slightly right to about a 110° heading straight toward the Savannah River AEC plant and accelerating to operator estimated speed of 900 knots (1,000 mph) average speed (or as recalculated from mapped positions about 750 mph, probable peak speed about 1,000 mph at 1 g at 10:21:30), then it violated the prohibited AEC airspace at 10:22 at about 33°24' N, 81°53' W. Pope AFB radar also tracked the target violating AEC airspace and notified Payne at Donaldson AFB. At that point at 10:22:30 (?) object had made a left turn to about a 75° heading, slowing to about 600 mph and continued turning to about 55° heading. At 10:23 at about 33°30' N, 81°39' W (near New Ellenton, S.C.), target made a sharp 75° turn to the N at about 340° heading having accelerated again to about 1,200 mph average speed (probable peak speed about 1,800 mph at 1.5 g's at 10:22:45) heading out of the AEC prohibited zone. Target slowed to about 600 mph again by 10:24 near Aiken when it sharply turned to the E on a heading of about 70° then 50° then 45° while passing to the S of Columbia, then turned N to a heading of about 20° where it faded near Kershaw at 10:36 p.m. (Sparks; Jan Aldrich)	21 mins	2+	multiple radars
984.		Feb. 22 [Mar. 2?], 1954. York, Penna. (39.96° N, 76.72° W) Several pilots of fighters in the air and GOC observers on ground saw 14 discs climb when the fighters approached. Ground radar tracking. (Sparks; Weinstein; BB files??)		sever al	
985.	2913	Feb. 26, 1954. Newburyport, Mass. 2:30 p.m. Architect R. M. Pierce, marine engineer George Avery and another, saw a silver disc, with a white trail, make a loud roar. (Sparks; Berliner)	30-60 secs	3	
986.	2923	March 2, 1954. Near Harrisburg [Middletown and York], Penna. 10 p.m. Research engineer R. C. Swengel saw 3 objects, each with two lights, fly straight and level at medium speed. Military and civilian witnesses? (Berliner; Saunders/FUFOR Index)	30 mins?	1+?	research engineer

987.	2926	March 5, 1954. Nouasseur AFB (33°22' N, 7°35' W),	mins	9		
		French Morocco. 7:15, 7:38, 9:55 p.m. Crews of USAF				
		KC-97 aerial tanker planes and a C-54 transport saw 1-2				
		white or amber objects or lights make passes at the aircraft				
		on collision courses as they practiced GCA landings. At				
		7:15 p.m., KC-97 pilots Capt. G. E. Brown, 1st Lt., L. B.				
		Gordon and 1st Lt. J. P. Glover, 301st Air Refueling Sq, 301st Bomb Wing, while flying KC-97 to practice landing				
		on 180° heading at 1,500 ft about 5-8 miles SW of				
		Nouasseur base saw 2 white lights to the right at about the				
		same altitude, with one light slightly lower than the other,				
		appearing to be 2 aircraft in formation on collision course				
		or "making a pass" forcing an evasive turn away by the				
		KC-97. Later [at 8:20? 9:20?], after landing and takeoff				
		they saw the same or similar 2 white lights on the same				
		course from the S at 180° on a collision course and they				
		made an evasive 360° turn. At 7:38 p.m. another KC-97				
		flown by pilots Capt. Robert R. Zadnick, Lt. Paul R.				
		Fisher and Lt. George A. Kerr, also 301st ARS, 301st BW, on GCA landing at 180° heading at 1,500 ft about 5 miles				
		SW of Nouasseur base saw a light at about the same				
		altitude and to the left of course appearing to be headed W				
		on a cross path or collision course, as it crossed it was seen				
		to be 2 lights as if 2 jets in formation, no aircraft running				
		lights. One light passed over and one under the KC-97.				
		At 9:55 p.m., C-54 from Lagos, Nigeria, based at Kelly				
		AFB, Texas, senior pilot Capt. William M. Pond, copilot				
		Lt. I. W. Gilchrist and navigator Capt. James F. Pullen				
		while flying at 2,000 ft on 170° heading on GCA landing at Nouasseur base saw white or amber light like an aircraft				
		landing light at about the same altitude approaching on a				
		collision course heading W 2-3 miles away, then turned				
		onto a direct headon course, passing within 2 miles, then				
		suddenly disappeared like turning off a light for 10-15				
		secs, then reappeared hovering, descended to ground then				
		rose, and disappeared behind the C-54 after completing its				
		turn onto final landing approach. No radar or other visual				
000		contact made. (Sparks; Jan Aldrich)	7.01	1	4	
988.		March 9, 1954. Cincinnati, Ohio. 3:57-4:05? a.m. Civilian-military pilot John H. Stewart while driving N	7-8+ mins ?	1	4	
		saw a pulsating bluish-white luminous halo surrounding a	1111115 !			
		dark ellipsoidal object that may have been larger than a				
		DC-6 (117 ft) slowly moving S at about 2,000-3,000 ft				
		height, then hovered for 7-8 mins over the General Electric				
		plant, the last 4 mins of which Stewart observed after				
		stopping his car. Object accelerated and suddenly changed				
		color to yellow then red, changed course to the E, then				
		disappeared in an almost vertical climb in secs. (Sparks;				
989.		Jan Aldrich) March 11-12, 1954. Pittsburgh, Penna. (Sparks;				
707.		McDonald list)				
990.	2937	March 12, 1954. Nouasseur AFB, French Morocco. 9:35	30 secs +	1		
		a.m. USAF 1st Lt. Robert Johnson, flying an F-86 jet				
		fighter, chased an object at more than 530 mph for 30 secs,				
		but was unable to catch it. Object appeared to be the size				
		of a fighter plane but had neither tanks nor trails [tail?].				
		(Sparks; Berliner)				

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991.		March 24, 1954. Fresno, Calif. Afternoon. While en	several	3+?		
		route to Palm Springs, Calif., by aircraft, Secretary of the	mins			
		AF Harold E. Talbott and aides and flight crew allegedly				
		saw a metallic-looking object following them about 1,000				
		ft below and 1,000 ft behind. Talbott ordered pilot to				
		turn around, but when the plane banked, the UFO made a				
		tight little orbit and streaked away at high speed. Publicly				
		denied by Talbott or spokesman. (Sparks; Loren Gross				
000		Jan-May 1955 History)	15.	-	1 /0	
992.		March 25, 1954. Cape Canaveral [Ft. Lauderdale?],	15+ secs	1	1/2	gun camera
		Florida. 3:30 [3:20?] p.m. USMC pilot Capt. Dan				film?
		Holland flying one of 3 jets with the 3rd Marine Air Wing				
		on an E heading at Ft. Lauderdale at about 26,000 ft and				
		400+ mph saw a gleaming white ball-shaped object with a				
		gold ring around the lower 1/3, about 2x size of his jet,				
		descend vertically on a collision course, took evasive				
		action, radioed the other jet pilots to look. Object				
		suddenly stopped 3,000-4,000 ft above, he banked toward				
		it and activated gun camera but object then accelerated and				
		disappeared to the E at tremendous speed in about 15 secs.				
		The other 2 pilots flying ahead of him did not see object.				
		1				
002		(Sparks; Weinstein; NARCAP; BB files??)		2		
993.		March 28, 1954. 12 mi E of Cherokee, Wyo. 1:25 a.m.	5 secs	3		
		(MST). Capt. Sperry and co-pilot of United Air Lines				
		Flight 600 flying E at 19,000 ft MSL sighted bright green				
		glowing object at 12° to 15° above horizon at 100° True				
		azimuth coming downward at slant angle of 30° to left of				
		vertical [moving to the left?] disappearing behind cloud				
		bank. Also sighted by pilot of DC-3 at 5 miles W of				
		Sinclair, Wyo., at 13,000 ft MSL. (Sparks; BB files)				
994.		April 7, 1954. 3 miles SW of Fentress, Virginia. 3 p.m.	25-30	1		
		USN pilot C. R. Allen flying F-6F for Fleet Training	secs			
		Center, Norfolk, Virginia, at 3,000 ft heading W near				
		Fentress saw 2 strange saucer-shaped discs in close				
		formation at 3,500 ft height about 15 miles away at about				
		2 miles NW of Lake Drummond heading NE, seen below				
		and against cloud base of scattered cumulus clouds at				
		3,000-3,500 ft. Allen turned right to follow objects as they				
		covered about 140° of arc maintaining about the same				
		distance, disappearing near Cape Henry to the NE about				
		20 miles, covering 30 miles total in about 25-30 secs				
		[3,600-4,300 mph]. (Sparks; Jan Aldrich)				
995.	2962	April 8, 1954. Chicago, Illinois. 4:30-5 p.m. Lelah H.	30 mins	1		
		Stoker saw a brilliant white round-topped disc, parachute-				
		shaped, with a humanoid suspended beneath it, skim back				
		and forth over the water. Stoker called the Coast Guard, a				
		CG cutter appeared after 10 mins, then the UFO				
		approached shore. Stoker saw a short human-like				
		occupant in a green tight one-piece suit and suspended				
		below the object who got out in undergrowth along the				
		shore then walked around. When CG cutter gave up				
		searching the occupant returned to the object which moved				
		back over the lake then took off at high speed to the E.				
		(Sparks; Berliner; Davis-Bloecher 1978)				

996.		April 22, 1954. San Nicholas Island, Calif. 2 p.m. USN Seaman Apprentice James B. Stephens, Jr., and Seaman Bernard G. Klein, Jr., while driving a Navy vehicle on base saw a 4-6 ft long gray cigar-shaped object with pointed nose traveling just above the ground on a near parallel course that would not cross the road until far ahead. The object suddenly impacted the ground sending up a cloud of dirt or dust and disappeared from sight. They stopped and searched for 20+ mins but found nothing. Further USN investigations and radioactivity surveying found no traces. (Sparks; Jan Aldrich)		2		
997.	2974	April 23, 1954. Pittsfield, Maine (at 44°53' N, 69°35'W). 9:30 a.m. Mr. and Mrs. Floyd E. and Rose Belle Robinson saw a silver circular saucer-shaped object with a dome 1/2 the size of the base that was the source of constantly flashing brilliant light, making a loud sound like a swarm of bees, which hovered at about 70° azimuth without tilting, flew horizontally with a whirlwind effect and cold air that moved stones underneath its path, then it rose vertically at 30° azimuth without tilting until out of sight. (Sparks; Jan Aldrich)	4 mins	2	6	
998.	2976	April 24, 1954. Hartland, Maine. 6:10 p.m. (EST). GOC observer Dean Robinson saw a very large, silver, oblong object with a dome on top and flashing light inside the dome, no sound or exhaust trail, stationary on the horizon for 15 mins then climbed straight up to disappearance. (Sparks; Jan Aldrich)	15 mins	1		
999.	2983	April 26, 1954. Athens, Georgia. 8:35 p.m. (EDT). Cecil M. Cartey, Howard and Mabel Hopkins and their daughter Betty, saw 15-20 yellow objects in a V-shaped or checkmark-shaped formation, fly at tremendous speed from low elevation in the S in smooth motion to high elevation in the N where they disappeared, no sound. (Sparks; Jan Aldrich)	10 secs	4	20	
1000.	2997	May 11, 1954. Washington, D.C. 10:45 p.m. 3 USAF air policemen at Washington National Airport saw 2 bright lights on 3 occasions fly straight and level, make 90° degree turns and fade. (Sparks; Berliner)	3 x 45 secs	3		
1001.		May 13, 1954. Pacific bet. Hawaii and Calif. (at 26° 5' N, 146°12' W). 1:45 a.m. (AHST). USAF pilot Capt. D. B. Mautner, 32nd Air Transport Sq, McChord AFB, Wash., and crew (?) of C-124 transport en route from Hickam AFB, Hawaii, to Travis AFB, Calif., saw bright light moving parallel with them on the left, object signaled back in response to aircraft blinking lights, departed to NE at very high speed climbing. (Sparks; Jan Aldrich)	5 mins	2+?		

1000		M 14 1054 10 11 NINTY CC (X)	00.	2	20.00	DV
1002.		May 14, 1954. 10 miles NNW of Great Yarmouth,	90 secs	3	30 ??	RV
		England, UK. 3:40 p.m. 3 USAF F-86 jets flown at				
		40,000 ft Mach 0.85 (560 mph) by Capt. Kenneth J. Scott,				
		Jr., 2nd Lt. Harry Joseph Ickes and 2nd Lt. David B.				
		Clardy, 91st Fighter Sq, were vectored by GCI radar Type				
		7 at RAF Bawdsey to unidentified object at 8 miles at 1				
		o'clock to their course taveling at 240 knots IAS, to the S				
		[N?] at 10° azimuth, sighted visually as about 30 ft silver				
		or gray round object as seen from below, showing thin				
		silhouette while turning, at 50,000-60,000 ft. Fighters				
		unable to close on object which made 180° turn and				
		disappeared at high speed beyond conventional aircraft				
		capability, climbing high above ground radar range.				
		(Sparks; Jan Aldrich)				
1003.		May 14, 1954. Dallas, Texas. USMC pilots of 4 fighter				
		planes saw 4 formations of 4 round objects changing color				
		from orange to white. (Sparks; Weinstein; BB files??)				
1004.	2994	May 18, 1954. 10-15 (or 6-7) miles SE of Lake Elsinore	few secs	1	10	
		(33°36' N, 117°20' W), Calif. 12:48 p.m. RAF Squadron				
		Leader Donald R. Higgin, assigned to USMC All Weather				
		Fighter Sq, El Toro MCAS, Calif., while flying an F3D-2				
		jet fighter at 15,000-16,000 ft on a heading of 240°				
		magnetic [255° true] at 300 knots IAS and descending,				
		saw a dark blue almost black gun-metal "glint" delta-				
		shaped object, about 22-23 ft long and 20 ft wide, with a 3				
		fins of equal size and shape, at his 11 o'clock position just				
		above the cockpit of his wingman flying another F3D-2				
		about 250 ft away. Object was on a headon collision				
		course but before Higgin could radio warning it passed				
		under his wingman and between their aircraft, descending				
		at a 25°-30° angle on a heading N of about 30°. (Sparks;				
		Jan Aldrich)				
1005.		May 18, 1954. Cannon AFB, New Mexico. 7 p.m. 2		2		
1005.		witnesses saw a house-size lens-shaped object land near		4		
		railroad tracks, kicking up a small sand storm in the desert.				
		One witness approached it, then ran away in fear. (Sparks; Vallée Magonia 129; BB files??)				
1006.	3009	May 22, 1954 LaPorte, Indiana. 9:15 p.m. Highway	45 secs	2		
1000.	3009	engineer R. W. Dring and engineer Geert Tibma saw a	43 8008	<i>L</i>		
1007		bright light make a shallow climb. (Sparks; Berliner)	15	2		a ami a 1
1007.		May 24, 1954. 10 miles WNW of Richmond, Ind. (39°49'	45 secs	2		aerial recon
		N, 85°00' W). 12:25 p.m. (EST). USAF Major Leo N.				mapping
		Brubaker and crew members of B-17 saw and				photos
		photographed with aerial mapping camera a circular fuzzy				
		brilliant object below the plane. (Sparks; BB files;				
		McDonald files; NICAP website; Weinstein)				
1008.	3020	May 31, 1954. Concord, New Hampshire. 10:15 a.m.	8-10 secs			
		Mrs. L. K. Stevens saw a very white, elongated object fly				
		extremely fast then blink out. (Sparks; Berliner)				

1009.		June 1, 1954. Near Boston, Mass. 9:30-9:40 a.m. TWA pilot Capt. Charles J. Kratovil, copilot W. R. Davis, and flight engineer Harold Raney, on a Paris-New York TWA	10 mins	3	
		Constellation heading SW, spotted "a large, white-colored			
		disc-like object" overhead, occasionally lost behind			
		overlying clouds. Flying into WSW headwinds at 300			
		mph, they concluded it could not be a balloon, and radioed Boston airport control tower, which said jets were			
		scrambled and then saw the object at about 10,000 ft			
		higher than their 10,000 ft altitude, but could not close			
		with it. (Sparks; McDonald list)			
1010.	3029	June 1, 1954. From 400 miles S to Minneapolis, Minn. 9	1 hr	2+	RV?
		p.m. Crew of USAF B-47 jet bomber at 34,000 ft altitude			
		saw object with running lights fly at 24,000-44,000 ft			
		altitude, pacing the B-47 within 10,000 feet of its 34,000			
		foot cruising altitude as it flew 400 miles north to			
		Minneapolis, varying its height both below and above the aircraft. (Sparks; Berliner; Sparks)			
1011.		June 7, 1954. West Germany. 2 Germans saw 2 glowing	10 secs	2	
1011.		discs descend vertically then rise rapidly. (Sparks; Jan	10 5005	_	
		Aldrich)			
1012.	3037	June 8 [9?], 1954. Texarkana, Texas. 1 a.m. or 2:30 a.m.	2 mins	1	
		(file not clear). L. T. Prewitt, employee of Red River			
		Arsenal, saw a golden yellow light fly over his house,			
1013.	3042	making a "shhh" or buzzing sound. (Sparks; Berliner) June 10, 1954. Estacado Plain [or Llano?], Texas. 9:09	30 secs		
1013.	3042	p.m. USAF pilot Capt. Bill McDonald, in flight, saw a	30 secs		
		white light descend at 45° from great altitude, pass under			
		his aircraft, make two 360° turns and blink out. (Sparks;			
		Berliner)			
1014.		June 21, 1954. Delray Beach, Florida. 9:30 p.m. (EDT).	12 secs	2	
		Anne Nekel Brown and John Thomas Brown saw bright			
		round disc-shaped object with dome-like structure on top			
		seen when tilted toward the witnesses after hovering			
		stationary to the S at 45° elevation. Object was spinning and then started moving very slowly E over the ocean with			
		an erratic wobbly motion, straightened out then			
		disappeared at high speed to the E at 8° elevation.			
		(Sparks; Jan Aldrich)			
1015.	3062	June 22, 1954. Miami Beach, Florida. 9 p.m. USMC	7 mins	2	
		Maj. E. Buchser and Maj. J. V. Wilkins saw a meteor-like			
		object descend, stop, and become extremely bright.			
1016		(Sparks; Berliner)	20	20	D370
1016.		June 23, 1954. 10 miles SE of Columbus, Ohio. 8 [9?] p.m. Pilot Capt. Harry Roe, Jr., flying Ohio Air National	30+ mins	2?	RV?
		Guard F-51 fighter at 240 mph from Dayton to Columbus			
		saw round white object with no exhaust trailing the fighter			
		in the same position a little above and behind him at close			
		range, detected on airborne radar [?]. Roe maneuvered to			
		try to lose the object or collide with it but it remained in			
		relatively the same position to the aircraft until it departed			
		to the SE. Ground controller radar tracked object [?].			
		(Sparks; Project 1947; NARCAP)			

1017.	3067	June 24, 1954. Danvers, Mass. 12:45 p.m. (EDT). Robert B. Tomer, Director of Commercial Engineering for CBS-Hytron, saw a very white, elliptical-shaped object cover 45° of sky from SW to NE in a straight line at 50° elevation. Object was sharp and distinct against clear blue sky; appeared somewhat less distinct when he removed his Polaroid glasses. No noise, no vapor trail, no glistening. No weather balloons in the area. (Sparks; Berliner; BB files Maxwell Microfilm Roll 20, pp. 1146-	30 secs	1	1/3 [2/3?]	engineer?
1018.	3072	June 25, 1954. Indian Lake, Ohio. 5:05 p.m. Experienced private pilot John Mark, flying Navion lightplane, saw a 60 ft silver or aluminum round object with a flat bottom, raised front edge, inverted cone on top, fly horizontally, hover, make a high-g pull up and then a steep climb into an overcast. Radar at Dayton, Ohio, airport, tracked very fast target at same location. (Sparks; Berliner)	3-5 mins	2?		RV
1019.		June 29-30, 1954. NE of Seven Isles, Quebec, Canada (at 51°53' N, 63°10' W initial position). 8:05-8:23 p.m. (AST). Capt. James Howard, FO Lee Boyd, navigator George Allen, radio officer Doug Cox, engineering officers Dan Godfrey and Bill Stewart, stewardess Daphne Webster, and passengers of BOAC airliner flying at 230 knots (265 mph) at 19,000 ft heading 49° (about NE) to Goose Bay, Labrador, saw a large opaque or black object with six smaller satellite objects on a horizontal line, constantly shifting in shape like a mirage, but first seen at roughly 20°-45° depression angle below horizon, seemingly at about 8,000 ft and below a cloud level. Object azimuth about 5° left or S of sun low on horizon, or at about 300° to 305° True as sighting progressed. Satellite objects merged with main object which disappeared within seconds (within 3 mins according to Capt Howard's log) by growing smaller about time when F-94 interceptor approached at 8:20. Possibly mass flock of millions of birds (Arctic tern?) seen against bright sunset sun, <i>sorta sol</i> "Black Sun" effect, where the flocking creates complex shapes against the sunset sky. (Sparks; AP dispatch, July 1, 1954; NICAP website)	18 mins	12		
1020.		June 30, 1954. Mobile (at 30°40' N, 88°5' W) and Brookley AFB, Alabama. 6:50 p.m. 4 civilians and a number of military personnel saw a brilliant silver or white object with short stubby wings approach from the S, circle over Mobile, then depart to the NE. Radar contact at 6:30 p.m. with stationary 8-mile object at 55 miles at 60° azimuth is evidently unrelated anomalous propagation. (Sparks; Hynek-CUFOS-Willy Smith files)	60 secs	6+		
1021.		July 3, 1954. Near Bermuda. 1:45-1:55 a.m. Radar scope photos of a geometric formation of 7 objects traveling SW [10-50 miles?]. [6 disc-shaped objects circled larger disc in the center at low altitude. B-56?? aircraft crew sighting?] (Berliner)	10 mins	1+		radar scope photos
1022.		July 5, 1954. West Berlin, Germany. (Sparks; Jan Aldrich)				
1023.		July 11, 1954. Hunterdon County, New Jersey. USAF crews of 4 bombers saw a disc-shaped object pace their planes. (Sparks; Weinstein; BB files??)		4+		

1024.		July 14, 1954. St. Louis, Missouri. 7:50 a.m. (CDT). McDonnell Aircraft Propulsion Lab employees sighted 1.5-foot sheet-like object maneuvering in company parking lot from distances varying from 4 to 200 feet, first descending from the E at 30 ft altitude, stopped on the ground, rose to 4 ft height, made right-angle turn to N, traveled 75 ft and climbed above 8-ft fence to disappear in the overcast sky, under light almost calm wind conditions. One observer followed at 5-ft distance. (Sparks; Hynek UFO Rpt pp. 150-1)	3-5 mins	10	40	aeronautica l lab employees
	3116	July 18, 1954. Normandy, Missouri. 8:40 p.m. A. T. Chamblin saw a greenish-white disc. (Sparks; Berliner)	30 mins	1		
1026.		July 19, 1954. French Equatorial Africa. (Sparks; Jan Aldrich)				
1027.		July 25, 1954. Middle Sister Island, U.SCanadian border W Lake Erie. 7:12 p.m. Attorney L. B. Tussing saw a black cylinder, 12:1 length/width ratio, moving fast along the surface of the lake. (Sparks; Berliner)		1		
1028.		July 27, 1954. Pepperrell AFB, Newfoundland, Canada.				
1029.		(Sparks; McDonald list) July 29, 1954. Korea. (Sparks; McDonald list)				
1030.		July 29, 1954. About 3 miles SSE of Carysfort Reef Lighthouse, Key Largo, Florida (at about 25°10' N, 80°12' W). 3:40 a.m. Key West Naval Base USN Chief Quartermaster Milbert James Brown and Helmsman Seaman Sydney J. Martin aboard USS YTB-543 sailing S on 205° true course at 6.5 knots saw a huge, bright pale blue or whitish-blue egg or blimp-shaped 300-500 ft object with 4 pointed cones of light, major/minor axis about 3:1 oriented horizontally, angular size 3x sun, traveling at tremendous speed estimated at about 7,200 mph (better estimate about 5,000 mph) in level horizontal flight from the W through S then E then NE, at 10°-12° above the horizon passing in front of mostly cumulus clouds covering 30% up to 15° elevation. Brown first saw the object at about 243° azimuth 10° elevation about 4 miles away moving to the left heading E viewed across the bow of the ship to the SSW at which point he began stopwatch timing (6.3 secs at disappearance, azimuths measured immediately after sighting by reference to 5 ships and a landmark used as sighting fix points). Object passed through point of closest approach at about 160° azimuth 12° elevation 1-1/2 miles away, moving to the left through a gradual-arc flight path of about 8 miles radius of curvature (about 40 g's centripetal acceleration), passed through E along a now straightened path headed to the NE, reaching maximum N position at 70° azimuth about 8 miles away when it curved slightly back as if veering off sharply to the right to head E, disappearing at about 68°	6.3 – 8 secs	2	1.5°	binoculars, stopwatch

1031.	3140	July 30, 1954. About 15 miles SE of Los Angeles, Calif. 11:15 a.m. (PDT). Hughes Aircraft test pilots Englert and Peterson, flying a B-25 bomber on a maintenance test hop heading ESE airspeed 170 mph [true airspeed about 200 mph] at 7,000 ft, saw a metallic, pencil-shaped object in horizontal orientation hover at above 30,000 ft for an unstated length of time while they climbed to 11,000 ft and made 30° turns to try to get a better view of object [over 4+ mins at max climb rate of about 1,000 ft/min]. Peterson, also a National Guard F-86 jet pilot, attempted to scramble jet intercept from Van Nuys National Guard Ops	4+ mins	2	Hughes test pilots; EM
		but could not establish radio contact (EM??). USN aircraft from the S seemed to pass under object without noticing it. (Sparks; Jan Aldrich)			
1032.	3149	Aug. 2, 1954. Westlake, Ohio. 5:17 p.m. Ex-AAF B-17 gunner (19 missions) N. E. Schroeder saw a thin, bright ellipse, like polished metal, hover for 5-8 secs, drop down 3,000 ft in 3 secs, hover again then fade out. (Sparks; Berliner)	20 secs	1	
1033.	3155	Aug. 6, 1954. San Antonio, Texas. 6 p.m. Mechanical engineer L. H. Hormer saw an intensely white elliptical light change to yellow, orange, pink, 4-5 times while flying straight and level. (Sparks; Berliner)	5 mins	1	mech engineer
1034.	3162	Aug. 7, 1954. West Germany. (Sparks; Jan Aldrich) Aug. 11, 1954. Yoron Jima, near Okinawa. 8:55 p.m. P. L. Percharde, electrical engineer and assistant manager of Moeller Shipwrecker Co., of Okinawa, saw a line of blue lights underneath a blue circle with a black center fly over ship and climb, illuminating and agitating the clouds. (Sparks; Berliner)		1	elec engineer
1036.		Aug. 12 [11?], 1954. Maxwell AFB, Alabama (32.37° N, 86.36° W). 2:29 a.m. [9:54 p.m.?] Pilots flying 2 helicopters and 2 ground controllers saw a saucer-shaped object with slight red glow. (Sparks; Weinstein; Saunders/FUFOR Index)	35 mins	4	
1037.	3166	Aug. 15, 1954. San Marcos, Texas. 10:20 p.m. USAF Maj. W. J. Davis and Capt. R. D. Sauers, flying a C-47 transport plane, saw a dark blue oblong object pace the C-47, veer away, then cross in front of it. (Sparks; Berliner)	5 mins	2	
1038.		Aug. 22 [23?], 1954. N France [W Germany?]. (Sparks; Jan Aldrich)	30 mins?		
1039.	3180	Aug. 24, 1954. Egilstadir [Lagarfiot or Lagarfijot River?], Iceland. 8:30 p.m. An unnamed farmer saw a flat cylinder, 2-2.5 ft long, 4-5 ft in diameter, make a loud whizzing sound, fly straight and level, fast, then slow, then fall into sandbar. (Sparks; Berliner)		multi ple?	
1040.	3182	Aug. 26, 1954. Danville, Virginia. 6:15 a.m. Rev. W. L. Shelton saw 2 domed ellipses, 20 ft long, 8 ft thick, 10 ft at ends, glowing silver or orange, hover, then climb side-by-side while getting brighter. (Sparks; Berliner)	2 mins	1	
1041.	3185	Aug. 27, 1954. Dorchester, Mass. (at ~42.3° N, 71.0° W). 1:00 p.m. (EDT). Edward A. Srazdes with 20-20 vision and another [wife?], one wearing Polaroid glasses, saw about 7 large high-flying bomber size [100? ft], white, teardrop-shaped objects in the E at 45° elevation flying inline formation, leader in front, no exhaust or trail. Objects first slow then increased speed and turned blue as disappeared towards NW. (Sparks; Berliner)	2 mins	2	

Aug. 28, 1954. Tinker AFB, Okla. (35.42° N, 97.37° W). 8:30 p.m. Several USAF pilots flying fighters saw a triangular formation of 15 objects, tracked by ground radar. (Sparks; Weinstein) 1043. 3189 Aug. 29, 1954. Prince Christian, Greenland. 11:05 a.m. 1st Officer H. G. Gardner and engineer J. V. D. Whitisy [and another witness Namely?] flying on Royal Dutch Airlines DC-4 (PH-DBZ), saw 3-4 dark, lens-shaped objects veer N and change position in formation. (Sparks; Berliner; Saunders/FUFOR Index) 1044. 3196 Sept. 4, 1954. Butler, Missouri (38.26° N, 94.34° W). 3 a.m. [CST?] CAA communications specialist J. Faltemeier saw 20-30 lights, as if on a string, fly straight and level. (Sparks; Berliner) 1045. 3198 Sept. 5, 1954. Butler, Missouri (38.26° N, 94.34° W). 12:23 a.m. [CST?] CAA communications specialist J. [24? Enlemenia pages of the proposition of	
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Faltemeier saw a silver or white object with a slightly secs]	
swept-back leading edge and a following exhaust, fly	
straight and level, then veer SW to S. (Sparks; Berliner)	
1046. 3213 Sept. 18, 1954. Kimpo Air Base, Japan. 5:55 a.m. 2	weather
control tower operators, a weather forecaster and a mins	forecaster
weather observer, saw a round object, like polished	&
aluminum, fly straight and level. (Sparks; Berliner)	observers
1047. Sept. 18, 1954. Near Denver, Colo., Santa Fe, Las Cruces, 1,000' 1	
New Mexico, to Enid, Okla. (36.39° N, 97.88° W). 8:40	
p.m. Green fireball seen by thousands of witnesses	
heading SE, noiseless, angular size of full moon. (Sparks;	
Ruppelt p. 47)	
1048. 3222 Sept. 21, 1954. Barstow, Calif. (34.90° N, 117.02° W). 1 20 mins 7	
a.m. (PST) 2 local policemen, 4 USMC police, and a	
highway patrolman saw a red-orange ball giving off	
sparks, and a smaller light, making a zigzag descent then	
hover. (Sparks; Berliner) 1049. 3224 Sept. 21, 1954. Santa Maria Airport, Azores (36°58' N, 2-3 mins 1+? 20	
1049. 3224 Sept. 21, 1954. Santa Maria Airport, Azores (36°58' N, 2-3 mins 1+? 20 25°10' W). 9:45 p.m. Airport guard saw a 10 ft x 5 ft	
light metallic blue, pecan-shaped object with a clear glass	
or plastic nose and door, poles or aerials on the nose,	
humming or whining as it hovered, then land vertically 50	
ft away. A blond man, 5 ft 10 in tall appeared, spoke in a	
strange language, patted the guard on the shoulder, got in	
the object, hooked up his harness, pushed a button, took	
off with the object's nose pointed up, then levelled off and	
climbed vertically. (Sparks; Berliner)	
1050. 3226 Sept. 22, 1954. 3 miles E of Marshfield, Missouri. 9 15 mins 2 1	
[11?] a.m. Private pilot Jack N. Williams and Ernest J.	
Ash saw a thin, translucent, tan asymmetrical boomerang-	
shaped object about 6-7 ft wide revolving as it hovered to	
the SW about 600 ft height and 600 ft distance, ascended	
to 1500 ft in 20 secs, descended, then tumbled down	
behind some trees after emitting white puff of smoke or	
vapor. Marks were found in the ground "pulverized."	
(Berliner)	
1051. 3227 Sept. 23, 1954. Gatlinburg, Tenn. 9:45 a.m. (EST) Dave 2 mins s2	
Owenby and Mrs. Ethel Trainer saw 2 bright silver,	
bicycle wheel-shaped objects, size of small children's	
bicycle fly N to S in trail in level flight, disappearing over	
horizon. (Sparks; Berliner; Saunders/FUFOR Index;	
NICAP website)	

				<u> </u>
1052.	Sept. 26, 1954. Altoona, Penna. 9:04 p.m. (EST) Capt. Picune and crew of United Airlines DC-6 Flight 606 at 19,000 ft and ground speed 382 mph saw a fire-colored object, flat on bottom rounded on top, approaching, flying	3 mins	2+?	
	parallel for about 1 min, then pulling forward at tremendous speed, disappearing in the E. (Sparks;			
	NARCAP; Saunders/FUFOR Index)			
1053.	Oct. 5, 1954. Houston, Texas. [Smith?] [6:45 p.m. CST?] (Sparks; McDonald list; Mary Castner/CUFOS)	15 mins? 45 mins?		radar?
1054. 3260	Oct. 13, 1954. Nouasseur, French Morocco. 10:05 a.m. Weather observer following a balloon in his theodolite saw a round, flat, silver object fly straight and level. (Sparks; Berliner)	30 secs	1	theodolite
1055. 3269	objects with illuminated bottoms were seen flying in a V-formation, high speed, on successive nights. Only data is on summary card. (Sparks; Berliner)			
1056.	Oct. 23, 1954. Tinker AFB, Okla. (35.42° N, 97.37° W). 9:23 p.m. (CST) (McDonald list)			
1057. 3281	Oct. 28, 1954. Miho Air Base, Japan. 5:32 p.m. USAF pilots Lt. Col. O. C. Cook and Lt. J. W. Brown, on ground using 7x50 binoculars, saw a brilliant white, round-oval object climb in front of clouds, brighten, turn 90° to the N. (Sparks; Berliner)	45 secs	2	binoculars
1058.	Oct. 29, 1954. SE of Taiwan (at 21°50' N, 123°30' E). 6 p.m. USAF crew of C-47D transport plane saw a long narrow bright blue object emitting deep-orange sparks from front and rear. (Sparks; Project 1947)			
1059. 3287	Oct. 29, 1954. Terceira Islands, Azores (38.7° N, 27.2°). 9 p.m. 4 Portuguese nationals saw a grey object, shaped like a stovepipe with a center bulge and short wings (10 ft long, 3 ft in diameter, 3 ft wings) having concave wingtips, make a gargling sound when hovering, then disappear in the glare of airplane landing lights. (Sparks; Berliner)	4-5 mins	4	
1060. 3326		3 mins	1	
1061.	Nov. 19 [16?], 1954. 130 miles ESE of New Orleans, Louisiana. 9:04 p.m. Crew of National Airlines Flight 918 at 17,500 ft en route from New Orleans to Tampa, Flor., heading about 105°, saw a light flashing blue and white moving up and down directly in front at an unknown distance for 3-5 mins when it moved to the NE out of sight. (Sparks; NARCAP; McDonald list; Mary Castner/CUFOS)	3-5 mins		radar?
1062. 3331	Nov. 19, 1954. Corvallis, Oregon. 4:15 p.m. P. J. Gunn, assistant professor of art at Oregon State University and ex-USN aviation cadet, saw a bright white light hover 8.5-9 mins, then cross 20° of sky in 3-3.5 mins. (Sparks; Berliner)	12 mins	1	prof
1063. 3341 1064.		4 mins	1	

1065.	3352	Dec. 3, 1954. Gulfport, Mississippi. 12:12 p.m. Mr. and	30 secs	2		
1003.	3332	Mrs. S. P. Mellen saw a translucent grey, round, flat object	30 sees	2		
		rotating on its vertical axis at high rate. (Sparks; Berliner)				
1066.	3356	Dec. 7, 1954. Cape Province, South Africa. 1:15 p.m.	7 mins	1		theodolite;
1000.	3330	Weather officer, using a theodolite, saw a white, semi-	7 111113			weather
		circular, flat object with a dome fly from W to E, then				officer
		turned N. (Sparks; Berliner)				0111001
1067.		Dec. 23, 1954. NE of Nogales, Ariz. Pilot flying F-86		1		
1007.		fighter chased a light emitting red and green flashes.				
		(Sparks; Weinstein)				
1068.		Dec. 29, 1954. San Diego, Calif. Daytime. Crew flying		1+?		
1000.		B-47 saw 2 objects pass the plane. (Sparks; Weinstein;		1 .		
		BB files??)				
1069.	3382	Jan, 1, 1955. 30 miles E [W?] of Cochise, New Mexico.	5-7 mins	2		USAF
100).	2202	6:44 [5:44?] a.m. Instructor [Capt. D. F. Ritzdorf?] and	0 , 111115	_		instructor
		student pilot [F. W. Miller?] flying USAF B-25				pilot
		bomber/trainer saw a metallic disc, shaped like two pie				pnot
		pans face-to-face, 120-130 ft diameter, pace the B-25,				
		showing both its edge and its face. Only item in case file				
		was summary form. [See Feb. 1, 1955, incident.] (Sparks;				
		Berliner; cf. NARCAP)				
1070.		Jan. 14, 1955. Bet. Virginia and Kansas. 6 p.m. Airliner		1?		
		pilot saw a dark object leaving a contrail. (Sparks; Project				
		1947)				
1071.		Jan. 19, 1955. Pacific Ocean. 8:10 a.m. U.S. military		1?		
		pilot saw a white-reddish globular object flying level with				
		the aircraft. (Sparks; Project 1947)				
1072.	3401	Jan. 26, 1955. Lakeland, Florida. 6:15 p.m. J. M. Holland		1		
		saw a black smoke trail make a circle. There was an				
		explosion and some objects fell. No further information in				
		file. (Sparks; Berliner)				
1073.		Jan. 29, 1955. Winterset near Des Moines, Iowa. 9:07	25 secs	2	3	
		p.m. (CST). Iowa Air National Guard pilots, Major A.				
		Packer and Lt. D. Myers with 132nd Fighter Bomber				
		Group flying a T-33A jet (s/n 52-9590) heading 30° at 290				
		knots (330 mph) saw a white light flashing at a set rate, no				
		trail, on a direct headon collision course in level flight at				
		20,000 ft. At the last instant the object rose and flew over				
		the jet, climbing rapidly to 35,000 ft. When the pilot tried				
		to chase the object it out climbed and out turned him,				
		seemingly using radar or similar means to track the T-33A				
		so as to employ highly maneuverable tactics at "excess"				
		speed and altitude. (Sparks; Project 1947; NARCAP)				
1074.		Jan. 31, 1955. Fuju [?], Japan. 1:33 p.m. U.S. military		2?		
		pilots saw a white circular object, no trail, moving against				
		the wind. (Sparks; Project 1947)				
1075.	3414	Feb. 1, 1955. 20 miles E of Cochise, New Mexico. 7:55	8 mins	2	12-20	USAF
		[6:55?] p.m. Instructor Capt. D. F. Ritzdorf and aviation				instructor
		cadet F. W. Miller flying TB-25 bomber/trainer (s/n 44-				pilot
		86894) at 13,000 ft and ground speed 238 mph saw a very				
		bright round object with red and white hues approach then				
		hover off the left wing of the TB-25 for 5 mins about 5°				
		above horizontal. Object climbed rapidly on a parallel				
		flight track to disappearance in 3 mins. [See Jan. 1, 1955,				
		incident.] (Sparks; Berliner; NARCAP)				

10=6	2116	T	1		1 4 7 1 4 10	
1076.	3416	Feb. 2, 1955. Miramar NAS, Calif. 11:50 a.m. USN Cdr.	15-27 +	1	1/5 to 1/2	
		John L. Ingersoll saw a highly polished sphere with	secs		??	
		reddish-brown coloring about 3-5 miles to the S falling				
		erratically about 300-500 ft/min. Object off-white in color				
		with highly polished surface reflecting sunlight, at 10,000-				
		20,000 feet. Object stopped about 5 to 10 seconds at about				
		3,000-5,000 feet, suddenly changed from white to reddish				
		brown and instantly accelerated to an estimated 1,000-				
		1,500 mph on a heading of 170° leaving short brown vapor				
		trail. Estimated size 25-35 feet diameter possibly as large				
		as 100 ft. (Sparks; Berliner; NICAP website)				
1077.		Feb. 3 (or 7), 1955. Knights Landing, Calif. 4:30 p.m.	4-5 mins	1	[10 ?]	
1077.		(PST). Electronic technician and civilian pilot George M.	1 5 111115	•	[10.]	
		Allender sighted from the ground a large 350 to 500 ft size				
		delta-wing or flying wing type aircraft in the NW headed				
		towards him at about 2,500 to 4,000 ft altitude and about				
		2,500 ft ground distance. No exhaust, no smoke, no				
		markings, no visble means of propulsion. Obect climbed				
		vertically about 34,000 ft in 20 secs to 38,000 ft, then				
		accelerated ahead of a flight of about 7 jets (possibly F-				
		86's) flying SE from his NW at about 600 mph, then				
		object dove about 37,000 ft in 12 secs to about 1,000 ft				
		altitude. Object could almost hover motionless and reach				
		speeds of 2,000 mph. (Sparks)				
1078.		Feb. 7, 1955. Harrisburg, Penna. 10:18 a.m. Flying Tiger		1?		
		pilot saw a brilliant object flash off to the S. (Sparks;				
		Project 1947)				
1079.		Feb. 7, 1955. Ft. Wayne, Indiana. 7:55 p.m. American		1+?		
		Airlines Flight 266 crew saw 5 star-like objects appear				
		intermittently motionless then moving. (Sparks; Project				
		1947)				
1080.	3427	Feb. 10, 1955. Bethesda, Maryland. 10:03 p.m. E. J.	1.5-2	1		
		Stein, model maker at U.S. Navy ship design facility, saw	mins			
		an object, shaped like a small portion of the bottom of the				
		Moon, with a radiant yellow color, hover for 30 seconds.				
		The bottom changed to a funnel shape. (Sparks; Berliner)				
1081.		Feb. 11, 1955. Ryukyu Islands, S Japan. 10:15 a.m.		1+?		
		USAF MATS crew flying C-124 transport saw a yellow or		- •		
		amber object shaped like a Jack o lantern flying 1,000				
		mph. (Sparks; Project 1947)			1	
1082.		Feb. 17, 1955. Blackstone, Virginia. USAF pilot in flight		1 ?		
1002.		saw an extremely large light-blue object at 35,000 ft.		1.		
		(Sparks; Project 1947)				
1083.		March 2, 1955. Huntley, Illinois. 5:00 p.m. Car was	10 mins		1	
1005.		followed by 3 elongated "balloons," each showing 8 red	10 1111115			
1004		lights and about 20 ft long. (Sparks; Vallée Magonia 362)		1.0	-	
1084.		March 16 [17?], 1955. 35 miles N of Salton Sea [or		1?		
		Ripley?], Calif. 9:24 a.m. USAF SAC pilot flying B-47				
		saw a silver circular object on a steady course S fading in				
		the distance. (Sparks; Project 1947)			I	

1005	March 20, 1055, Johnson AED, Tol 4:21	11:	2		ara 1
1085.	March 20, 1955. Johnson AFB, Tokyo, Japan. 4:21 p.m.	~44 mins	2+		ground and
	CPS-1 air traffic control radar of the USAF 1954th AACS				air radar
	Sq, Johnson AFB, Tokyo RATCC, detected 4 unidentified				
	targets due N at about 32 miles, then after adjusting				
	manual scan found 16 unidentified targets in 6 separate				
	formations N of base at ranges of about 20 to 28 miles,				
	which slowly moved [about 50 mph] from radar scope				
	azimuth 0° to 20° while heading about 145° over 10 mins				
	until 4:31 p.m. F-86D was scrambled from Yokota AFB				
	(about 30 mi ENE of Tokyo airport and RATCC) at 4:32,				
	piloted by USAF 1st Lt. G. D. Merrick, takeoff at 4:36,				
	heading N (350°) at 10,000 ft then W then S then N on a				
	search pattern [roughly around the Yokota AFB] since				
	ADC control site "Butterfly" at Chiba Peninsula did not				
	detect targets on radar. Meanwhile targets on CPS-1				
	ground radar had become erratic, leaving trails on radar				
	scope like jet aircraft, then became almost stationary at				
	4:35. USAF 5th AF went on Yellow Alert due to radar				
	tracks. At about 4:51 the F-86D pilot while heading N on				
	the search pattern detected on airborne radar 2 unidentified				
	targets at 45° azimuth (NE), he turned towards them but				
	lost the targets. Then the F-86D radar picked up another				
	target at 30° at 22 miles and headed towards it on				
	afterburner at about 560 mph, with closure rate 100-175				
	knots. F-86D got radar lock-on at 15 miles, closed on				
	UFO to closest range 2.5 to 3 miles, was within 15 secs of				
	firing position, dropped afterburner to not overtake too				
	quickly, but UFO began to accelerate to 50 knots faster				
	than the F-86D despite the pilot going on afterburner				
	again. When the UFO pulled out to 7 miles range it made				
	a left turn, the F-86D turned to follow, then the UFO made				
	90° right turn and F-86D followed, back onto 20° (~N)				
	heading. ADC site "Butterfly" cleared F-86D pilot to fire				
	on the UFO. UFO began climbing while F-86D closed to				
	5 miles and climbed to 16,000 ft on afterburner to follow,				
	overshot the UFO's leveled off altitude of 15,000 ft then				
	went into a shallow dive back to 15,000 ft reaching Mach				
	0.98 (~650 mph). UFO then began to pull away to 9 miles				
	range, increasing speed to 200 knots faster than the F-86D				
	[or ~880 mph supersonic], then gradually turning left 45°				
	while pulling away to 15 miles range, breaking the F-				
	86D's radar lock, and pilot broke pursuit at ~5:05 p.m. No				
	visual confirmations, and no direct correlation of specific				
	ground and air radar targets due to lack of specific				
	reporting. (Sparks; Project 1947; NICAP)				
1086.	March 24, 1955. Ryukyu Islands, S Japan. 2:30 [2:13?]		2		EM; pilot
	p.m. Beechcraft pilot instructor and student pilot saw a		_		instructor
	hat-shaped object with 3 windows on top section, change				
	color from white to orange, fly under and around their				
	plane. Instruments failed and engine sputtered, pilot dove				
	the plane to evade the object but it kept pace. 2 jets				
	scrambled from Kadena AFB. (Sparks; NARCAP;				
	Project 1947)				
1087.	March 29, 1955. Sonoma and Soledad, Calif. 7:35/7:38	30 secs			
1007.	p.m. (PST) McGrath (GOC observer) and Brown.	2 3 5 5 6 5 6 5			
	(Sparks; McDonald list)				
1088.	April 6, 1955. Beaumont, Calif. 7:45 p.m. (PST) Briggs.	2 mins	1	8	
	(Sparks; Hynek UFO Rpt p. 44; Saunders/FUFOR Index)		_		
<u> </u>	(Spains, 11,1101 of officer)	1	l	1	1

1089.		April 21, 1955. 3 miles NE of Moisant Airport, New Orleans, Louisiana. 10 [4?] p.m. Air National Guard pilot Ponticelli flying L-19 aircraft saw a bright silver deltashaped object. (Sparks; Project 1947; Saunders/FUFOR Index)	1+ min	1?	
1090.		April 28, 1955. Dahlgren, Virginia. 1:20 p.m. (EST). Conlon. (Sparks; McDonald list)	90 mins	multi ple?	
1091.	3517	April 30, 1955. Travis County, Texas. 7:30 a.m. USAF Wing Intelligence Officer Maj. L J. Pagozalski saw 4 black objects in a cluster make a whooshing sound like a zephyr. (Sparks; Berliner)	2-3 secs	1	
1092.	3523	May 4, 1955. Keflavik Airport, Iceland (63°58.7' N, 22°35.8' W?). 12:38 p.m. USAF Lt. Col. E. J. Stealy and 1st Lt. J. W. Burt saw about 10 round, white objects, one of which left a brief smoke trail, flying in an irregular formation, some of them making erratic movements. (Sparks; Berliner; Saunders/FUFOR Index)	5-8 secs	2	
1093.		May 12 [11?], 1955. Thurmon, Colo. 1:06 a.m. [6:06 p.m. MST?] Crew of American Airlines DC-7 saw an object flying on a SE course at 20,000 ft. (Sparks; Project 1947; Saunders/FUFOR Index)			
1094.		May 13, 1955. Duluth, Minn. 8:30 p.m. (CST) (McDonald list)			
1095.	3565	May 23 [23-24?], 1955. Cheyenne, Wyoming (41.13° N, 104.80° W). 12 midnight. USAF Airman/Basic I. J. Shapiro and E. C. Ingber saw 2 slender, vertical rectangles low on the horizon, and two ovals with tops, dark, with dark blue illumination, which flew higher. (Sparks; Berliner; Saunders/FUFOR Index)	5+ mins	2	
1096.		June 1, 1955. N Canada. RB-47 onboard APG-32 guncontrol radar and/or radar jamming case. (Sparks)			radar
1097.		June 2, 1955. N Canada. RB-47 onboard APG-32 guncontrol radar and/or radar jamming case. (Sparks)			
1098.		June 4, 1955. Melville Sound, N Canada. 0030 (GMT). RB-47 crew sighted "glistening silver metallic" object and "obscured by contrails" confirmed by onboard APG-32 gun-control radar tracking of target at 7,000 yards range (4 miles) from 0030 to 0039 GMT. Object stayed "low and to the rear of the RB-47" until the UFO "broke off contact to the north with an increase in speed." Gun camera photos. (Sparks)	9+ mins	sever al	RV + photos
1099.		June 4, 1955. Parker, Ariz. 2:50 a.m. USAF pilot flying T-33 trainer saw a yellow-white-red stationary object that abruptly disappeared. (Sparks; Project 1947)		1	EM?
1100.		June 7, 1955. N Canada. RB-47 onboard APG-32 guncontrol radar case. (Sparks)			
1101.		June 8, 1955. S of Bathurst Island, N Canada. 2044 (GMT). RB-47 crew detected UFO briefly on the onboard APG-32 gun-control radar, visual contact was made for 20 minutes from 2044 to 2104 GMT, object trailing behind RB-47 at about 5-10 miles range. Second RB-47 some 80 miles behind the first spotted the contrail left behind as the UFO disappeared. (Sparks)	20+ mins	sever al	RV
1102.		June 26, 1955. Holt, Florida. Civilian and military witnesees. (Sparks; Hynek UFO Rpt p. 45)		sever al	
1103.		July 1, 1955. China Lake, Calif. (Sparks; McDonald list)			

1104	July 5 1055 Navyform dland Compd- 2000 2056	56	11.	DV
1104.	July 5, 1955. Newfoundland, Canada. 3:00-3:56 a.m.	56 mins	11+	RV
	(AST). At 3:00 a.m., USAF 97th Air Refueling Sq pilot			
	Lt. Homer H. Speer and copilot Lt Paul Daily of KC-97			
	callsign Archie 29, and pilot Lt. Robert W. Schneck and			
	copilot Lt. David Cueldner (sp?) of KC-97 Archie 91, both			
	planes at 20,000 ft on a refueling mission out of Harmon			
	AFB (48°32.7'N, 58°33.0'W), saw 2 bright objects at 49°10' N, 59°50' W, at 20,000 ft appearing stationary.			
	They reported sighting to Harmon at 3:05, made contact			
	with radar site, 2nd Lt. Charles H. Denney, Senior			
	Director, USAF ADC site N-23 (Air Defense Direction			
	Center, 640th AC&W Sq, Harmon AFB, Stephenville,			
	Newf., CPS-6B search and height-finder radar, TPS-502			
	backup height-finder, at 48°35.3' N, 58°40' W). Radar			
	painted object at 3:07 with intermittent contact till 3:56			
	(also 4-5 additional objects). Archie 29 KC-97 in best			
	position to close on object ordered to do so by Harmon,			
	position 290° from radar site at about 80 miles, 10 o'clock			
	to KC-97 [inconsistent with lat-long coords]. Objects			
	started moving to NE at 50° true heading accelerating to			
	275 knots (300 mph) faster than Archie 29 KC-97. After			
	object reversed course to S heading, pilot Lt. Speer of			
	Archie 29 reached closest approach to 18 miles distance,			
	maintained visual contact with object calling direction			
	changes of object to radar site by radio, changes correlated			
	exactly with those painted on scope by controller. Brief			
	height-finder radar contact at 35,000 ft. Object began			
	climbing at 3:38 a.m. and fighters scrambled, no radar or			
	visual contact made. Speer lost sight of object at about			
	40,000-50,000 ft. Radar then tracked object accelerating			
	to 1,600 knots (1,800 mph) moving off to NE. At same			
	times radar also painted 5 smaller objects at 5,000-10,000			
	ft (briefly detected on height-finder) and thus below the			
	KC-97's at 30° true [heading??], 60 miles from radar,			
	[inconsistent with other coords] moving very fast,			
	changing direction and azimuth, jumping on and off			
	scopes, forming circular pattern, changing to line abreast,			
	traveling 10-20 miles then changing direction, speed			
	1,500+ knots (1,700+ mph). Radar tracked about 4 objects			
	at point of initial sighting on 40° true heading, speed 300			
	knots (350 mph). Objects at 3:40 a.m. at 50°10' N, 57°50'			
	[?] W. One C-119 aircraft en route from Goose Bay			
	passed within 5 miles of the objects, not known if seen.			
	Radar targets confirmed by 1st Lt. Anthony G. Scarpace			
	(sp?), Ground Electronics Officer of 670th ACW Sq, who			
	found radar operating properly and no inversion effects			
	present. Investigated by NEAC AFSSO (AF Special			
	Security Office), reported to AFSS (NSA subunit not to be			
	confused with AFSSO compartmented security agency),			
	NSA and CIA. (Sparks; CIA, AF, NSA FOIA; Project			
	1947)			
1105.	July 11, 1955. Toulon, France. Daytime. Military pilot of		1?	
	C-47 transport saw a round reddish-orange light changing			
	color to bright white, no trail. (Sparks; Project 1947)			
1106.	July 20, 1955. Portland, Oregon. 2 fighter pilots and		2?	
	GOC ground observers saw a round object with a silver			
	lower part climb when fighters approached. (Sparks;			
	Weinstein; BB files??)	i		
1106.	GOC ground observers saw a round object with a silver lower part climb when fighters approached. (Sparks;		2?	

1107		L.1. 25 1055 Near Company New York (42 050 N	I	10		
1107.		July 25, 1955. Near Syracuse, New York (43.05° N,		1?		
		76.15° W). 5:22 a.m. [12:22 a.m. EST ?] Pilot flying F-				
		86 fighter saw an orange object. (Sparks; Project 1947;				
		Saunders/FUFOR Index)				
1108.		July 26, 1955. Kansas City, Kansas. 9:34 p.m. [3:34 p.m.	1 min	1?		
		CST?] USAF pilot flying B-47 bomber saw a round				
		object, no trail. (Sparks; Project 1947; Saunders/FUFOR				
		Index)				
1109.	3673	July 29, 1955. Columbus, Nebraska. 10:45 p.m. (CST)	5-6 mins	1		
		Morrice Raymond saw 4 orange flashing lights and a				
		white flashing light move up and down like yo-yos.				
		(Sparks; Berliner; Saunders/FUFOR Index)				
1110.		Aug. 2, 1955. NW Fresno, Calif. 1:30 p.m. (PST). US	½ min +	1	1/3	theodolite
		Weather Bureau observer Langer at Fresno Airport sighted			(equiv in	
		a bright, silvery metallic circular UFO sharply outlined			theod.)	
		against the blue sky, with no shadows or markings,			,	
		crossing the field of view of his balloon-tracking				
		theodolite, which he then trained on the UFO to track its				
		steady motion. UFO was brighter than the white 5 ft pilot				
		balloon he had been tracking at 27,000 ft in the theodolite,				
		with about $\frac{1}{4}$ to $\frac{1}{5}$ the apparent size of the balloon.				
		Langer's impression was that UFO was farther and higher				
		than the balloon but he could not be sure, possibly moving				
		from the NE (in a different direction than the balloon) at				
		80-130 knots if at 40,000 ft MSL or 120-200 knots if at				
		60,000 ft MSL. Lost UFO afte ½ minutes when he had to				
1111	2600	return to tracking the balloon. (Sparks; BB files)	2.4			
1111.	3699	Aug. 11, 1955. Iceland. 11:45 a.m. USAF 2nd Lt. E. J.	3-4 mins			
		Marlow saw 12 grey objects, from cigar to egg-shaped,				
		vary formation from elliptical to wavy line to scattered to				
		straight line to trail formation. Speed varied from				
		hovering to 1,000 mph. (Sparks; Berliner)				

1112.		Aug. 21-22, 1955. Kelly, 7 miles N of Hopkinsville,	brief + 3	1 +		
1112.		Kentucky (at 36.97° N, 87.477° W). 7, 8-11 p.m., 2:30-	hrs +	12 +		
			brief + 2-	12 +		
		4:45 a.m. At about 7 p.m. Billy Ray Taylor went into the backyard of the Sutton farmhouse and saw a bright object	1/4 hrs	10		
			1/4 1118	10		
		from the SW [or actually about SSW about 210° azimuth				
		from the direction of Fort Campbell U.S. Army base] then				
		pass over and descend into a gully about 500 [300-600?] ft				
		N of the farmhouse and about 35-40 ft lower elevation.				
		Mrs. Glennie Lankford and 6 other adults [most Sutton				
		family], plus 3 children (Charlton, Lonnie and Mary				
		Lankford), saw two or more 3 ft tall gremlin-like creatures				
		float down from trees and approach the house from the				
		dark, which were shot at by rifle and shotgun fire without				
		effect. At about 11 p.m. the entire group fled in terror in				
		their two cars and drove at high speed into Hopkinsville to				
		report the incident to the Police Dept. State police officer				
		leaving the Shady Oaks restaurant 3 miles N of				
		Hopkinsville in a car to respond to the call heard several meteor-like objects streaking over him sounding like				
		artillery shells, and was able to see 2 in a series looking like meteors from the SW [or actually about S, from about				
		190° azimuth, headed towards Kelly from the direction of				
		Fort Campbell and the TOP SECRET Armed Forces				
		Special Weapons Project Site C, Clarksville Base, 36.665°				
		N, 87.487° W, National Stockpile Site for nuclear				
		weapons storage apparently recently including multi-				
		megaton yield H-bombs]. City, county, state and military				
		police and reporters drove out to the Sutton farm to				
		investigate from around 11:30 p.m. to 2 a.m. UFO entities				
		returned at about 2:30 a.m. and were again shot at without				
		effect, finally disappearing at about 4:45 a.m. (Sparks;				
		Davis-Bloecher 1978; Hynek UFO Rpt pp. 212-6; Vallée				
		Magonia 372; Saunders/FUFOR Index)				
1113.		Aug. 23, 1955. Cincinnati, Ohio. 11:50 p.m. Several		sever		radar
1113.		USAF fighter pilots saw 3 round disc-shaped objects		al		radar
		making evasive maneuvers. Ground radar tracking.		aı		
		(Sparks; Weinstein; BB files??)				
1114.	3720	Aug. 23, 1955. Arlington, Virginia (38.91° N, 77.09° W).	30 mins	1		telescope
1117.	3120	10:45 a.m. G. M. Park, using a 400x telescope saw several	50 1111115	1		telescope
		(6+) orange lights moving singly or in groups, circling and				
		stopping. (Sparks; Berliner; Saunders/FUFOR Index)				
1115.		Aug. 25, 1955. Fordland, Missouri. 7:56 p.m. (CST)				radar?
1115.		(McDonald list; Saunders/FUFOR Index)				radur:
1116.	3743	Sept. 3, 1955. Bellingham, Wash. 9:30 p.m. (PST) GOC	15 mins	1		
		observer Saunders saw white pinpoint move slowly across		_		
		30° of sky. No further information. (Sparks; Berliner)				
1117.	3750	Sept. 7, 1955. Washington, D.C. (38.89° N, 76.95° W).	1 min	2?		
111/.	2,20	6:30 a.m. (EST) 2 photographers, one plate maker for the				
		Army Map Service, one named Smith, saw a glowing				
		round object fly an arc. (Sparks; Berliner)				
1118.	3757	Sept. 9, 1955. Near Alcoa [Rock Garden?], Tenn. 12	10-15	1		binoculars
1110.		noon. M. N. Dawkins, using binoculars, saw a brown,	mins	1		omoculais
		almost square object fly with a circular motion. (Sparks;	1111113			
		Berliner)				
	l	Definier)	l		ļ	ļ

Oct. 4, 1955. SW of Baku (near Atjaty / Alyat, at 40.0° N, 49.3° E), USSR. 7:10 p.m. US Sen. Richard B. Russell, US Army Col. E. U. Hathaway, CIA Clandestine Service Foreign Intelligence (FI) Staff officer Reuben Efron (under cover as a "translator" or "interpreter"), and an	
US Army Col. E. U. Hathaway, CIA Clandestine Service Foreign Intelligence (FI) Staff officer Reuben Efron (under cover as a "translator" or "interpreter"), and an	
Foreign Intelligence (FI) Staff officer Reuben Efron (under cover as a "translator" or "interpreter"), and an	
(under cover as a "translator" or "interpreter"), and an	
(under cover as a "translator" or "interpreter"), and an	
accompanying Calif. businessman named Robert R. Gros,	
VP of Public Relations of PG&E (Pacific Gas & Electric),	
sighted to the S two separate nearly vertical ascents of a	
lighted domed-disc saucer-shaped object, possibly size of	
jet fighter [50 ft] about 1 minute apart, while traveling by	
train (Sen. Russell was the only witness to the 1st ascent	
and alerted the others who saw the 2nd). Efron saw object	
that appeared like 2 bright white "eyes" that remained	
fixed to each other, which ascended at an angle that	
seemed to come towards the train and cross over but Efron	
did not see it continue on the other (North) side of train.	
(Sparks; Joel Carpenter; FOIA docs from CIA, FBI;	
Haines CIA UFO history; etc.)	
1120. 3800 Oct. 8, 1955. Loogootee, Indiana. 4:38 [5:38?] p.m. R. D. 12 secs? 2	
Prather and H. Ahern saw a round, silver or white object	
fly straight and level at more than 1,000 mph. (Sparks;	
Berliner; Saunders/FUFOR Index)	
1121. 3810 Oct. 11, 1955. Pt. Lookout, Maryland. 4 p.m. B. Hale 2.5 hrs 2	
and A. Ostrom saw round object, white in daylight and	
turning red with sparks near end of sighting, with a deep	
roar unlike an aircraft. (Sparks; Berliner)	
1122. Oct. 19, 1955. 40 miles NW of Knoxville, Tenn. [Tex.?]. 2+ mins 1?	
8:30 p.m. (EST) F-86 case. (Sparks; McDonald list;	
Saunders/FUFOR Index)	
1123. Oct. 20 [21? 26?], 1955. Minneapolis, Minn. 7:40, 8 p.m. 18 secs? 2?	radar
CST [2:21 a.m.?] USAF F-89D fighter pilot Steck saw a	
white luminous oval-shaped object making 90° turns at	
1,000 mph, tracked on airborne radar. Ground observer(s).	
[Same as Oct. 26, 1955, case?] (Sparks; Weinstein;	
Saunders/FUFOR Index)	
1124. Oct. 26 [30? 21?], 1955. Minneapolis, Minn. [Same as	
Oct. 26 [30? 21?], 1935. Millin Epanie as Oct. 21, 1955, case?] (Sparks; McDonald list)	
Nov. 14, 1955. Deming, New Mexico. 1 a.m.	
Commercial airline pilot in flight saw a fast moving	
object, with a light on the rear, come from the SW.	
(Sparks; Project 1947)	
1126. 3860 Nov. 17, 1955. St. Louis, Missouri. 6:10 a.m. J. A. 45 secs 1	
Mapes saw 12 round, flat objects, silver on top and dark	
on the bottom, fly in 4-deep formation, tipping in pitch and	
roll angles. (Sparks; Berliner)	

110-	0075	A 1055 T 1 00 T (250 T 250 1/2 5 5		Γ	1	
1127.	3862	Nov. 20, 1955. Lake City, Tenn. (36°N, 84°W). 5:20 to	1/2 -20	12		
		6:00 p.m. (EST). Operations Officer Capt. Edward G.	mins			
		Denkler and 5 men of the USAF 663rd AC&W Sq saw 2	(individu			
		oblong, bright orange, semi-transparent objects fly at	ally)			
		terrific speed and erratically, toward and away from each	3,			
		other, in the S to W depending on location of observer.				
		Possibly IFO's: Venus at about 230° azimuth about 10°				
		elevation (set about 6:30-6:40 p.m. EST) and Antares at				
		about 235° low on horizon about 4° to 0° elevation setting				
		at about 5:50 p.m. EST. (Sun set at about 5:25 p.m. EST				
		at about 245° azimuth.) Additional witnesses at Oak				
		Ridge National Lab and in Alexandria, Tenn. Two F-86D				
		fighters scrambled with no success. (Sparks; Berliner;				
		NICAP)				
1128.	3869	Nov. 25, 1955. LaVeta, Colo. 10:30 a.m. State Senator	5 secs	1		
1120.	3007	S. T. Taylor saw a dirigible-shaped object, fat front,	3 3003	1		
		tapered toward the tail, luminous green-blue and jellylike,				
		appear overhead diving at a 45° angle, reducing to 30°.				
		(Sparks; Berliner)				
1129.		Dec. 6, 1955. Marianna, Florida. 6 [1?] a.m. USAF pilot	< 5 mins	1?		radar
		flying MATS transport radar tracked unidentified target.				
		(Sparks; Project 1947; Saunders/FUFOR Index)				
1130.		Dec. 11, 1955. Near Jacksonville, Florida. 9 p.m. 2		sever		RV
		airliner pilots [and crews?] and ground observers saw fast		al		
		maneuvering orange-red round object, with ground radar		uı		
		tracking. 2 USN jets on a practice night-flying mission				
		were vectored to the object by a Jacksonville NAS				
		controller, on approach the object suddenly rose up to				
		30,000 ft then dove back down in a circle, buzzing the jets.				
		(Weinstein; NARCAP; BB files??)				
1131.		Dec. 13, 1955. Arlington, Virginia. 10:09 p.m. (EST).	2 mins	1	point	amateur
		Intelligence management engineer and amateur	12 secs		source	astronomer
		astronomer with Army G-2 Comptroller, Pentagon, sighted				
		maneuvering reddish (?) light, about stellar magnitude of				
		Sirius, starting mag –1 and diminishing to +4 to+4.5 mag				
		when it disappeared. Sighted in the sky above his home,				
		which made ~200° turn to right passed near star Capella				
		[azimuth 253° elevation 71°] and disappeared in the NNE				
		into horizon [??] haze approaching star Gamma Leonis				
		[azimuth 79° elevation 42°]. No sound despite complete				
		quiet, speed fluctuating. Clear sky and visibility down to				
		6th stellar magnitude. Observer plotted course on star				
		map.				
1132.		Dec. 14, 1955. Caddo Lake, Louisiana. 2:45 a.m. USAF		2?		radar
1152.		pilot flying B-47 in 513th Bomber Sq saw and radar				10001
		tracked oblong object. (Sparks; Project 1947)				
1133.			13 mins			
1133.		Dec. 17, 1955. Laguna [Mt. Laguna ?], Calif. 9:45 a.m.	15 mins			
1101	2002	(PST) (McDonald list)				
1134.	3893	Dec. 21, 1955. Caribou, Maine. 11 p.m. Roberta V.	6-8 mins	1		
		Jacobs saw a round, very bright gold, domed disc in a				
		short climb, then rotate, hover and accelerate. (Sparks;				
		Berliner)				
1135.		Jan. 11, 1956. Wurtsmith AFB, Mich. 5:40 p.m. (MST)	2-15			RV?
	1			l	1	1
		F-89D. Culpepper and Complaer (Sparks: McDonald	mins			
		F-89D. Culpepper and Complaer. (Sparks; McDonald list; Saunders/FUFOR Index)	mins			

1136.		Jan. 18, 1956. Itazuke AFB, Japan. 1 [10?] a.m. Air crew sighting of white round balloon-shaped object traveling at high speed, no trail. (Project 1947; Saunders/FUFOR Index)	42 secs		
1137.		Jan. 24, 1956. Wheelus AFB, Tripoli, Libya. 1:52 p.m. (GMT) (McDonald list; Saunders/FUFOR Index)	12 mins		
1138.		Feb. 2, 9, 21, 1956. Camp Irwin, Calif. (Sparks; McDonald list)			
1139.		Feb. 7, 1956. Keesler AFB, Biloxi, Mississippi (30.42° N, 88.94° W). 8 a.m. (CST) (McDonald list; Saunders/FUFOR Index)			
1140.		Feb. 11, 1956. S of Japan (at 28°53' N, 131°30' E7:15 p.m. MATS C-124 air crew sighting of a yellow or amber object at 1,000 knots (1,150 mph). (Sparks; Project 1947)		1?	
1141.	3969	Feb. 12, 1956. 38 miles SW of Goose Bay, Labrador, Canada. 11:25 [10:55? 11:10?] p.m. (AST). USAF F-89D pilot Bowen and radar observer Crawford saw a green and red object rapidly circle the jet, and tracked on radar. No further details. (Sparks; Berliner; Saunders/FUFOR Index)	1 min	2	RV
1142.		Feb. 15, 1956. Riverside, Calif. (33.98° N, 117.38° W). 8:40 [12:40?] p.m. USN pilot Taylor flying aircraft saw a cigar-shaped brown object on a straight level course. (Project 1947; Saunders/FUFOR Index)	8 mins	1?	
1143.		Feb. 18, 1956. N of Montelimar Airdrome, France. 8:20 p.m. 3 USAF C-119 crew, 780th Troop Carrier Sq, saw a round dot change color every 30 secs from white to red to green. (Sparks; Project 1947; Saunders/FUFOR Index)	4 hrs?	3	
1144.		Feb. 18 [17?], 1956. Orly Airport, Paris, France (54.16° N, 0.05° E). 10:50 [8:20?] p.m. Air France pilot De Vaux of DC-3 and radio operator saw large red blinking light flying erratically, tracked by ground radar. (Sparks; Project 1947; Saunders/FUFOR Index)	30 mins? 4 hrs ?	3+?	radar
1145.	3977	Feb, 19, 1956. Houston, Texas. 6:07 a.m. (CST). Crew of Eastern Airlines Super Constellation saw intense white light, moving 4-5 times the speed of the airplane, evaded by the pilot. (Sparks; Berliner; Saunders/FUFOR Index)	28 mins	2+	
1146.		March 2 [5?], 1956. Spokane, Wash. (47.66° N, 117.44° W). 4:40 p.m. (PST). Stoner. (Sparks; McDonald list; Saunders/FUFOR Index)	30+ secs		

1147	1050	Annil 4 1056 Malkinson Manisipal Airmant Trans	5 2/4 1	<i>E</i> 1	1/20.57	1 4:
1147.	4050	April 4, 1956. McKinney Municipal Airport, Texas	5-3/4 hrs	5+	1/30 [7	real-time
		(33°10' N, 96°36' W). 3:15-9:00 p.m. (CST). Weather		(man	in 200x	triangulatio
		Bureau observer Capt. Roy F. Hall, U.S. Army (Ret.) [at		y)	telescope	n by
		McKinney Airport] spotted bright object at 80° elevation			J	Weather
		in the NW, using a 4x rifle scope at times. Hall contacted				Bureau
		amateur astronomer Charles Anderson about 3 miles to				observer; 2
		Hall's NNW [at 33°12.00' N, 96°37.44' W] at 4:00 p.m.				telescopes;
		who used a 6-inch 55-200x telescope to see (as did Hall)				newspaper
		an oblong bar-bell or double-sphere-shaped object with				staff photo
		"no appendage whatever," "translucent, silvery rubber" in				
		appearance with a central raised band or double line				
		around its middle oriented vertically, looking like a				
		balloon moving W against the upper winds blowing E,				
		viewed through their telescopes. Ft Worth Weather				
		Bureau told Hall no weather balloons were in the vicinity.				
		[At about 6:45? p.m.] Denton Record-Chronicle				
		newspaper correspondent Mrs. E. E. Love, in Aubrey,				
		Texas [33°18' N, 96°59' W] about 9 miles NE of Denton				
		and 23 miles WNW of McKinney Airport, sighted the				
		bright UFO, like a "star," in the E at "high altitude"				
		[consistent with Hall observing UFO hovering to the NW				
		near his zenith]. Object then headed W / WSW towards				
		Denton where it stopped and hovered overhead above /				
		near town of Krum, Texas, [W to WNW of Hall in				
		McKinney] during which time sun set [~6:50 p.m.] and				
		cirrus clouds at 11,000 ft came in at about 7:00 p.m.,				
		sometimes obscuring the UFO before it started moving to				
		W as if following the sun, setting lower and becoming				
		brighter, "too bright for a weather balloon." People				
		phoned in reports to the <i>Denton Record-Chronicle</i> which				
		"swamped" phone lines; staff photographer took photo.				
		Venus evidently appeared around sunset [which was at				
		about 6:50 p.m.] and after getting "dark" (sometime after				
		sunset) Hall noticed UFO was located about 7° due N of				
		Venus [apparently at about 7 p.m. when Venus was at 42°				
		elevation 273° azimuth, thus UFO at about 45° elevation				
		282° azimuth in the W to WNW, the direction of Denton				
		from Hall at McKinney Airport and the direction Hall				
		observed the UFO]. UFO was apparently not moving				
		relative to Venus as UFO set in the W and disappeared at				
		about 9:00 p.m. from darkness. Hall established a 3-mile				
		triangulation baseline with Anderson that did not work,				
		then another 3-mile baseline that resulted in about a 3°				
		convergence angle [thus about 300,000 ft slant range] and				
		estimated a 100,000 ft altitude [hence roughly 20°				
		elevation apparently at about 9 p.m. in the WNW at about				
		293° when Venus was at 17° elevation 287° azimuth].				
		Hall estimated a 1 arcminute angular size and thus a 200+				
		ft [actually ~90 ft] diameter. Denton Record-Chronicle				
		phoned Carswell AFB officer-of-the-day who could not				
		identify UFO. Later, Carswell AFB reported that a C-47				
		at 45,000 ft had identified light as a weather balloon, and				
		Perrin AFB scrambled fighters which confirmed				
		identification as weather balloon [however weather				
		balloon would be in darkness by 7-7:10 p.m.]. Hall found				
		other observers 100 miles W and 50 miles N who sighted				
		object as "overhead" [meaning anywhere from about 30°-				
		45° to 90° elevation], thus Hall thought object might have				
		been at altitude of 100 miles. (See April 6 and 13, 1956,				
		sightings near McKinney, Texas.) (See Hall's April 13,				
		1956, sighting.) (Sparks; Berliner; Printy/Taylor;				
		CUFOS; Denton, Texas, <i>Record-Chronicle</i> , April 5, 1956,				
		p. 1; BB files)				

1148.	April 5, 1956. Almy Pond, Newport, Rhode Island (at	5 mins	4	20 (?	USN
1140.	41°30' N, 71°18' W). 12:30-12:35 p.m. (EST). USN	3 mins	4	binoc	physicist;
	Underwater Ordnance Test Station physicist Mrs.			equiv ?)	binoculars
	Genevieve Mathison and her 3 children from the front			equiv :)	omoculais
	door of their home saw a circular silver object with no trail				
	or sound descending from 45° elevation in the N down to				
	0° elevation on an approaching path, with a receding 135°				
	maneuver [?] and disappearing by whirling into the haze.				
	(Sparks; Jan Aldrich)				
1149.	April 6, 1956. 5 miles E of McKinney, Texas (at 33°11'		2		
	N, 96°32' W). Royce Mitchell and a companion saw a 5-8				
	ft silvery, balloon-shaped craft land in a field 300 ft away				
	from them. They stopped the car to investigate, but the				
	object took off at terrific speed. (See April 4 and 13,				
	1956, sightings near McKinney, Texas.) (Sparks; Vallée				
	Magonia 379; Saunders/FUFOR Index; CUFOS; BB				
	files)				
1150.	April 8, 1956. N of Schenectady to W of Syracuse, New	30+ mins	6+(?)		
	York. 10:15 p.m. (EST) Capt. Raymond E. Ryan, First				
	Officer William Neff, flight attendant Phyllis Reynolds,				
	and passengers, took off in an American Flight 775				
	Convair airliner from Albany heading N then turned nearly				
	due W (about 280° True) at 260 mph [207? mph] and				
	6,000 ft N of Schenectady when a brilliant white light				
	about 2-3 miles away was spotted about 90° to the left				
	appearing like an airliner heading in to land at Albany.				
	The white light rapidly moved about 90° to dead-ahead				
	position about 8-10 miles away at high speed estimated at				
	about 800-1,000 mph where it changed color to orange and				
	seemed to block the airliner's path or risk collision,				
	disappeared briefly, reappeared as an orange light again				
	but standing still ahead of the airliner to the W. Airliner				
	contacted Griffiss AFB, Rome, NY, where controllers				
	asked pilot to turn lights off and on to help identify aircraft				
	and was told airliner was seen and the orange UFO leading				
	it, both to the S. Airliner was ordered to follow the UFO				
	to the W, skipping its scheduled landing at Syracuse after nearly 30 mins of following the object until interceptors				
	could arrive. Promised fighter jet interception was not				
	seen (scrambled at 10:48 p.m., takeoff at 10:52). Object				
	disappeared at high speed to the NW (or N) towards				
	Oswego, NY. Final BB file missing many key documents				
	(indicated in summaries). Official denials of AF-ordered				
	course deviation to pursue UFO are contradicted within				
	AF documents in the BB file including a surviving				
	teletype from Watertown, NY, AF radar station (655th				
	AC&W Sq) stating that airliner flew from Schenectady to				
	Oswego, NY, instead of to Syracuse/Rochester, NY. AF				
	theories of planet Venus required a major 20°-25° course				
	deviation by the airliner in order to place airliner heading				
	towards Venus roughly over Oswego. (Sparks;				
	McDonald list; NICAP website)				

1151.	April 13, 1956. McKinney, Texas (at 33°12.00' N,	2 secs	2		triangulatio
1131.	96°37.44' W). 9:15 p.m. (CST). At Charles Anderson's	2 3003	_		n
	house, Weather Bureau observer Capt. Roy F. Hall, U.S.				11
	Army (Ret.) sighted 2 rapidly moving red lights pass low				
	over house tops to the S disappearing in the W. Later				
	obtained independent report from another observer, Tully				
	B. Lucas, Jr., [about 0.57 mile to the SSW at 33°11.55' N,				
	96°37.69' W] who had sighted objects passing directly				
	overhead, though seeing 3 pale blue lights, and Hall used				
	the data to triangulate objects as passing over at about 150				
	ft height [~3° elevation?] and covering 40° of arc [~2,000				
	ft traveled?], thus estimating speed at about 1,800 mph				
	[incorrect; actual speed ~700 mph if at ~3,000 ft distance].				
	Possible meteor IFO? (See April 4 and 6, 1956, sightings				
	near McKinney, Texas.) (Sparks; CUFOS; BB files)				
1152.	April 16, 1956. Henderson, North Carolina. 5:00 a.m.	few secs	2		
1134.	FBI agents Richards and another, driving on Route 1, just	10 W 3003			
	before dawn, saw a top-shaped object as large as the road				
	pass over their car, no sound. (Sparks; Vallée Magonia				
	381)				
1153.	April 28, 1956. Near Newport (?), England, UK. 8:30	3 mins	2		aeronautica
1100.	p.m. Lockheed/Curtis-Wright technical rep and JCS				1 scientist
	scientific consultant and his wife saw bright white star				1 5010111151
	increase in brightness in the E for 10+ secs at "high				
	altitude," dim to medium dull red, then move from E to W				
	roughly 3°/sec, dimming after 30 secs of travel to dull red,				
	accelerating to "enormous speed," wobbling as it				
	disappeared. (Sparks; Hynek UFO Rpt pp. 91-92)				
1154.	May 8, 1956. Aliquippa, Penna. (40.62° N, 80.26° W).	10 mins			
110	9:48 a.m. (EST) (McDonald list)	10 1111115			
1155.	May 22, 1956. 58 miles NW of Monroe, Louisiana. 11:05	10-15	2	20	
	p.m. (CST) USAF officer 1st Lt. Earl D. Holwadel,	mins			
	piloting T-33 jet, and an accident investigation officer 1st				
	Lt. Curtis Carley in the back seat during a night flight				
	heading 50°-55° at 18,000-19,000 ft at 240 knots, saw a				
	bright light due E, then saw it again in the E at 11:15 p.m.				
	Holwadel banked right to the SE somewhat behind the				
	object now seen in the SE at great distance. Object				
	suddenly came straight at them at high speed passing in				
	front of the T-33 at about 225 ft away under the "nose" of	1			
	the object, no jet wash, on a heading of 330° when the				
	object flashed an intensely bright white light from a				
	"greenhouse-shaped dome" or cockpit window at its front				
	end that lit up the canopy of the T-33. Object about 30-40				
	ft long, elliptical in shape, shorter than a C-47 but wider, a				
	small steady red running light in the center, with no wings,				
	only stubby protrusions extending 3-4 ft and 25 ft long on	1			
	each side, bottom surface like steel with ribs extending				
	down 2-4 ft with a wave-like appearance. Object moved	1			
	away then returned at high speed on a W course with				
	"fantastic" maneuverability never changing flight attitude				
	at any time, disappeared at estimated distance of about 60				
	miles. (Sparks; BB Misc Microfilm Roll 1, pp. 173-182;				
	NARCAP; McDonald list; Hynek-CUFOS files)			<u></u>	
1156.	June 2, 1956. Newton, Mississippi. 10:51 p.m. Military				
	pilot of Convair T-29 saw white-green light on parallel				
	course at 5-7 miles [distance?]. (Sparks; Project 1947)				

1157.	4127	June 6, 1956. Banning, Calif. (33.93° N, 116.88° W). 5:30 [4:30?] a.m. Mr. Bierman saw a thin disc with a small dome, shimmering silver, hover about 300 ft away at 100 ft height then zoom up. [Crossed the road slowly, turned, crossed the road again behind the car and vanished suddenly. ??] (Sparks; Vallée Magonia 383; Saunders/FUFOR Index)	8-10 secs	1	
1158.		June 29, 1956. Los Angeles to San Diego, Calif. 5:10 p.m. (PST). (Sparks; McDonald list; Saunders/FUFOR Index)	2 hrs		
1159.		July 6, 1956. Euclid, Ohio. 9:37 a.m. (EST). (Sparks; McDonald list; Saunders/FUFOR Index)			
1160.		July 17, 1956. Otis AFB, Westover, Mass. 11:42 p.m. (EDT). USAF jet fighter pilot saw a white-yellow circular object that reversed course. (Sparks; McDonald list; Weinstein; Saunders/FUFOR Index)	40 mins	1	
1161.	4270	Aug. 8, 1956. 20 miles S of Quartzsite, Ariz. 11 p.m. (MST). Attorneys W. B. Buttermore and J. W. Smith saw a blue-white pulsating light fly fast, straight and level. (Sparks; Berliner; Saunders/FUFOR Index)	5-7 mins	2	
1162.		Aug. 10-11, 1956. Duncanville AFS near Dallas, Texas. 12:05/12:20 p.m. (CST). McConnell. (Sparks; Jan Aldrich; McDonald list; Saunders/FUFOR Index)	4 hrs		
1163.		Aug. 13, 1956. RAF Bentwaters, England, UK. 9:55 p.m. Extremely high speed radar-visual approximately 18,000 mph E-W radar track of brilliant white light, from about 30 miles E to 30 miles W passing directly over the radar site, "streaked under" C-47 at 4,000 ft near base. Radar track provides height-finding data confirming extremely low altitude, roughly 2,000 ft, also estimated by ground visual observers. (Sparks)	30 secs	sever al	RV
1164.		Aug. 13-14, 1956. RAF Lakenheath, England, UK. 11 p.m. to 12:30 a.m. Radar-visual of hovering-darting objects that outmaneuvered Venom NF-3 jet interceptor beginning at 12:01 a.m. Later attempted intercepts at about 2-3 a.m. were unsuccessful. (Sparks)	1-1/2 hrs	sever al	RV
1165.		Aug. 16, 1956. Near Azores [41.41° N, 95° W?]. 1:45 a.m. [2:30 a.m. GMT?]. Capt. Dennis and crew of Eastern Airlines DC-4 Flight 49, flying at 4,000 ft en route to New York heading W, saw a bright white light to the W pass within 40 ft from above and below [multiple passes?]. Pilot took evasive action. (Sparks; NARCAP; Weinstein; Saunders/FUFOR Index)	20-25 mins	multi ple	
1166.		Aug. 17, 1956. SSW [of] Spragueville, Maine. (Sparks; McDonald list)			
1167.		Aug. 20, 1956. North Bend, Oregon. 10:15 p.m. (PST). Camillo. (Sparks; McDonald list; Saunders/FUFOR Index)	2 hrs		
1168.		Aug. 22, 1956. Bornholm, Denmark. 8:50 p.m. (GMT). (Sparks; McDonald list; Saunders/FUFOR Index)	3 hrs		radar
1169.	4348	Aug. 27, 1956. Juniata, Penna. 9:55 p.m. Mrs. R. S. Pope saw a bright disc with a clear dome fly vertically, then N. A very cold breeze seemed to emanate from the object. (Sparks; Berliner)	3 mins	1	
1170.	4379	Sept. 4, 1956. Dallas, Texas. 9 p.m. USMC T/Sgt. R. D. Rogers and family saw a large star, changing to red color, remain stationary for 20 mins, then move W at 200 knots (230 mph). (Sparks; Berliner)	23 mins	3+	

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1171.		Sept. 13, 1956. S Calif. (at 34°32' N, 119°48' W, near	1 min	2+?		
		Santa Barbara). 9:35 [9:34?] p.m. United Airlines Flight				
		459 crew saw a star-like object stationary then moving.				
		(Sparks; Project 1947; Saunders/FUFOR Index)				
1172.	4399	Sept. 14, 1956. Highland, North Carolina. 1 a.m. Scaly,	1.5 hrs	2 ?		
		N. Car., policeman O. S. Gryman saw 14 yellow-to-red				
		round objects with tremendous exhaust fly in a vague				
		formation from SW to E to NE and back again, while				
		swooping up and down. (Sparks; Berliner)				
1173.		Sept. 25, 1956. Grand Rapids, Mich. 4 p.m. Cessna pilot		1		
		Marcus saw 2 delta-shaped objects flying S under the right				
		wing. (Sparks; Weinstein; CUFOS files;				
		Saunders/FUFOR Index)				
1174.		Oct. 9, 1956. Little Easton, Essex, England (51°54' N,	hrs	4		
		0°19' E). 6:55 p.m. (GMT). USAF witness Pollock.				
		(Sparks; McDonald list; Saunders/FUFOR Index)				
1175.		Oct. 17 [18?], 1956. Wheelus AFB, Tripoli, Libya. 10:17				
		p.m. (GMT). (McDonald list; Saunders/FUFOR Index)				
1176.	4489	Nov. 1, 1956. 60 miles E of St. Louis, Missouri, near Mt.	2 mins	2?		
		Vernon and Sandoval, Illinois. 5:30 p.m. [11:30 a.m.				
		CST?] USAF Capt. W. M. Lyons, Intelligence Division				
		Chief (Aerial Weather Recon Officer) [and Daniel?],				
		flying a T-33 jet trainer, saw an orange light with a blue				
		tinge, fly across the sky. (Sparks; Berliner;				
		Saunders/FUFOR Index; etc.)				
1177.		Nov. 4, 1956, Point Arena, Calif. 8:22 p.m. (PST).	2 hrs 40			radar
		(Sparks; McDonald list; Saunders/FUFOR Index)	mins?			
1178.		Nov. 9 [?], 1956. Destin, Florida. 7 p.m. (EST). USAF	4 mins	1?		
		pilot flying RF-84F with 3242nd Test Group saw a long				
		narrow object with a series of bright orange lights.				
		(Project 1947; Saunders/FUFOR Index)				
1179.		Nov. 11, 1956. El Toro Marine Corps Air Station, Calif.	2 hrs 45	3+?		radar
		9:30 p.m. (PST). USMC pilot flying helicopter and	mins			
		ground witneses saw a flashing red light with ground radar				
		tracking. (Sparks; Weinstein; Saunders/FUFOR Index)				
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Nov. 14, 1956. Near Jackson, Alabama (at 31,5° N, 87,9° 2+ mins 2 1/10
pilot Capt. William J. Hull with 3 million miles, 15,000 hours and 16 years! flight experience and author of anti- UFO skeptical article "The Obituary of the Flying Saucer" in <i>The Airline Pilot</i> magazine (Sept. 1953), was with copilot FO Peter H. Mchtosh flying from New York to Mobile, Ala., in a Viscount airliner at 300 mph descending at 10,000 ft, headed SSW. They saw a brilliant bluish-white light (mag7) descend in a steep downward angle diagonally [about 45°?] from left to right [from S to SSW?] to dead ahead in the SSW where it stopped at the same or slightly higher altitude. Hull radioed Bates tower near Mobile to look for object, then at that moment the object began a series of maneuvers for 30 secs, rising and falling, darting back and forth, instant 90° turns, then hovered motionless again at same/slightly higher level [?]. When Bates Field radioed again the object began another series of "crazy gyrations, lazy 8's, square chandelles" with undulating motion, then shot out over the Gulf of Mexico in a steep climb at "fantastic speed" until it disappeared. AF radar at Brookley AFB in Mobile was not turned on. See Aug. 30, 1957, case. (Sparks; Condon project Unexplained case, Cf Rp. 127-9; McDonald critique of CR Jan 1969; Hynek-CUFOS-Willy Smith files; Hull letter June 5, 1957; NARCAP; Herb Taylor; Printy; van Utrecht) 1181. 4543 Nov. 30, 1956. Charleston AFB, South Carolina. 12-48 p.m. USAF aerial navigator Maj. D. D. Grimes saw an unspecified object fly at an estimated 100 ft altitude over water. No further details. (Sparks; Berliner) 1182. Dec. 17, 1956. Itazuka AFB, Japan. 4:20 p.m. 2 USAF pilots flying af 1,500 knots (1,700 mph), strong interference on airborne radar. (Sparks; Weinstein; Saunders/FUFOR Index) 1183. 4577 Dec. 31, 1956 [Jan. 1, 1957?]. Guam. 2:10 a.m. USAF at 10 mins 1 st. L. Ted Brunson, flying an F-86D jet interceptor, saw a round, white object fly under the jet, which was unable to turn as sharply as the object. (Sparks; Berliner; Saunders/FUFOR Index)
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33°15'N, 99°15'W). 8:00 p.m. USAF crews of 2 B-25's
flying from Maxwell AFB, Birmingham, Ala., to Reese
AFB, Lubbock, Texas, including passenger Lt. Col.
Howard T. Wright, Capt. [illegible] W. Davis, pilot Lt.
Robert I. Kaplan, and Lt. [illegible] Daniel, saw a round
white object make rapid maneuvers, with effects on radio
compass. B-25 sent on 4-hour search of visinity with no
results. (Sparks; McDonald files; BB files; Weinstein;
Jan Aldrich)
1185. Feb. 7, 1957. Las Cruces, New Mexico. 3:53 a.m. (MST). 1 hr 39 radar
54 radar targets? (McDonald list; Saunders/FUFOR mins
Index)
Index) 1186. Feb. 13, 1957. Marrero, Louisiana. 8 p.m. Martin. (Sparks; McDonald list; Saunders/FUFOR Index) mins

1187.	Feb. 13, 1957. Tierra Amarilla AFS, New Mexico	2 hrs			
	(36°37'25" N, 106°39'50" W). 4:40 a.m. (MST). 1st Lt				
	Sidney Meyer, radar controller of FPS-3 search radar at				
	767th AC&W Sq, Tierra Amarilla AFS, tracked and with				
	FPS-5 height-finder painted UFO at 24,300 ft at azimuth				
	310° at 25 NM distance. 2nd UFO [?] at 26,500 ft orbited				
	around 1st UFO which was stationary. Interceptor trailed				
	by one UFO for 25 NM before breaking off. Visual of red,				
	yellow and green blinking lights. Missing documents not				
	forwarded to BB by 4602nd AISS. (Sparks; BB files;				
	McDonald list; Saunders/FUFOR Index)				
1188.	Feb. 13, 1957. Lincoln AFB, Lincoln, Nebraska. 2:30	3-5 mins	5		RV
	a.m. USAF SAC (98th Bomb Wing?) Director of	[25			multiple
	Operations and 3 tower controllers at 2 radar sites, and the	mins?]			radars
	GCA's NCOIC, tracked several targets flying behind an	_			
	airliner at a distance of 5-6 miles traveling 2x as fast. No				
	IFF response. Objects could hover and move at high				
	speed, one split into 2 objects, another did 180° turn.				
	Blips the size of a B-47. (Sparks; Hynek UFO Exp ch. 7,				
	case RV-7)				
1189.	Feb. 27, 1957. Castle AFB, Calif. 9:45 p.m. (PST). 9	24 secs			radar
1107.	radar targets. (Sparks; McDonald list; Saunders/FUFOR				14441
	Index)				
1190.	March 6, 1957. Great Meadows-Hope, New Jersey. 2	1 min +	1	12	
1170.	p.m. Martin's attention drawn by barking dogs looking up	1 111111	1	12	
	at white derby-hat-shaped object 50+ ft wide hovering low				
	over a field about 450 ft away with a gentle rocking				
	motion and streamers underneath like tinsel. Object				
	suddenly took off almost vertically to the NE without				
	sound disappearing into cloud bank. (Sparks; Hynek				
1101	UFO Rpt pp. 151-4; Saunders/FUFOR Index)				
1191.	March 22, 1957. Point Mugu, Calif. 12:10 p.m. (PST).				
1102	(Sparks; McDonald list)	120	-		
1192.	March 22, 1957. Long Beach-Los Angeles Airport, Calif.	120 secs	1		radar only
	11:55 p.m. (PST). CAA airport surveillance radar				
	operated by Norman Johnson [at Los Angeles or Long				
	Beach?] picked up 2 high speed 3600 mph targets in trail				
	with each other (later just one blip) in the NW at 300°				
	Mag at 10 miles range headed outward radially from radar				
	at about course 320° Mag [probably 4 blips 10 miles apart				
	for 30 secs] until stopping abruptly at 40 miles range [for				
	10 secs?]. Target reversed course heading radially inward				
	to station going 30 miles in reverse direction [in 10 secs?]				
	then a 2nd stop at 10 miles range [for a 10-sec sweep?].				
	Target reversed direction going 40 miles [in 40 secs?] on				
	320° Mag heading beyond radar range last blip at 50 miles				
	at 315° Mag azimuth. High speed radar targets traveling				
	radially inward and outward from station only on one side				
	of scope with probably slight curvature of path (i.e., 300°,				
	315° and 320° Mag azimuths or headings) is suggestive of				
	mutual interference with another radar at almost exactly				
	the same frequency (thus IFO's of non-real targets). 2 F-				
	89 jets scrambled from Oxnard AFB found nothing. No				
	visuals at any time. (Sparks; McDonald list;				
	Saunders/FUFOR Index; NICAP)				
	Saunucis/TOTOK IIIucx, NICAF)	L	L	L	Ļ

1193.	March 22 [222] 1057 Ownerd AED Calif 11:15 n m	5 hrs 45	cover		
1193.	March 23 [22?], 1957. Oxnard AFB, Calif. 11:15 p.m.		sever		
	(PST). Beaudoin and several independent witnesses saw maneuvering lights. (Sparks; Hynek UFO Rpt pp. 53-54;	mins ?	al		
	Saunders/FUFOR Index)				
1194.	March 27, 1957. Roswell, New Mexico. 8:35 p.m.	6 secs	1?		
1174.	USAF pilot Lt. Sontheimer flying C-45 transport saw to	0 3003	1;		
	the left 3 bright white circular objects in tight formation on				
	collision course. He immediately flashed his taxi lights,				
	one object shot straight up above him the other 2				
	continued on passing in front. When he flashed his taxi				
	lights (again?) the objects instantly blinked out and				
	disappeared. (Sparks; Weinstein; NARCAP;				
	Saunders/FUFOR Index)				
1195.	April 14, 1957. 1/2 mile E of Vins sur Caramy, France (at	1-2 mins	3	2	
	43°25.7' N, 6°10' E). 3 p.m. Mrs. Marie Garcin and Mrs.				
	Julia Rami walking NE on Road D24 heard a loud				
	deafening noise and saw about 300 ft ahead of them a 5 ft				
	tall 3 ft wide metallic top-shaped object covered with				
	vibrating sharp spines landing near a road sign which				
	started to vibrate loudly, then the object hopped over the				
	road at a height of about 15-30 ft, the women cried out and				
	another witness Mr. Jules Boglio about 1,000 ft away				
	looked and with the women saw the object land (a 2nd				
	time) in the next road, then jump over another road sign				
	which then vibrated with loud noise. 2 other witnesses				
	reportedly saw the object at a much greater distance.				
	(Sparks; Hynek UFO Exp ch. 9, case CEII-16; Mark				
1106 4706	Cashman)	25 :	1		
1196. 4706		25 mins	1		
	Military witness Robertson. Case missing. (Sparks;				
1197. 4715	NARA; Saunders/FUFOR Index) May 2, 1957. Edwards AFB, Calif. 6:55-7:20 a.m.	25 mins	2	8?	photo-
1197. 4/13	(PDT). James D. Bittick and John R. Gettys, Jr., civilian	23 1111118	2	01	theodolite
	phototheodolite operators, were driving by truck to				theodonte
	Askania Site #4 when they sighted an object above them				
	about 500 yards away. They radioed a report to their				
	supervisor Frank Baker who told them to set up the camera				
	and try to film the object, which they did after about 10				
	mins. They photographed what they described as a golden				
	luminous domed-saucer shaped object with holes or ports				
	around the dome about 100 ft in diameter about 1 mile in				
	the distance to the N headed E (photos show multiple?				
	objects). Available phototheodolite frames 614, 620 and				
	651 (609 too blurred, cutoff) show azimuth 10°28'				
	elevation 2°24' shifting E to azimuth 40°30' elevation				
	1°0'. Disappeared at about 5 miles. Possible jet fighter				
	interception. [Possible IFO weather balloon with slow				
	leak, explanation denied by Edwards AFB Colonel Klein				
	(sp?) analyzing actual tracking of balloon and wind				
	direction.] (Sparks; Tom Tulien; Jan Aldrich;				
	McDonald 1968 pp. 75, 85; Loren Gross Mar-May 1957				
	pp. 67-68; IUR Oct 2005)				
1198.	May 4 [5?], 1957. Near Calif. coast (at 33°52' N, 127°?33'	30 secs	1?		
	W?). 3:25 a.m. (PDT) [4 a.m. PDT?]. USAF copilot of				
	radar patrol aircraft with 552nd AEW&C Wing saw a				
	yellowish-red light at 10,000 ft pass in front of aircraft.				
1 1	(Sparks; Weinstein; Saunders/FUFOR Index)	Ì			

1199.		May 29, 1957. Houma, Louisiana. 3:03 p.m. (CST). (Sparks; McDonald list)	14 mins		radar
1200.		May 30, 1957. Detroit, Mich. 9:01 a.m. (CST). (Sparks; McDonald list)	30 secs		radar
1201.		June 3, 1957. Shreveport to Converse, Louisiana. 8:30 [9:35?] -9:30? p.m. (CST). Shortly after takeoff from Shreveport Airport, heading for Lake Charles, La., and climbing, Capt. Lynn Kern and FO Abbey Zimmerman flying Trans-Texas Airlines Flight 103 were told by the control tower that a small light was visible nearby. They saw the star-like blue-green pulsating [?] object hovering (approaching?) at their 10 [2?] o'clock position at about 400 ft then climbing rapidly to 1,000 ft paralleling the airliner then at 110 knots speed (130 mph later 165 mph) but at higher altitude and 1/2 mile away. Kern flashed landing lights and object responded with a beam [?] of light. 2nd blue-green pulsating object joined the first on the opposite side of the airliner (then at 9,000 ft), air crew confirmed from tower that it had both objects on radar and visually through binoculars, objects headed S at 170° climbing to about 10,000 ft and followed airliner to Converse, La., (about 45 miles S of Shreveport) where pilot queried ADC radar site, England AFS, Alexandria, La., which confirmed the 2 targets in the airliner's vicinity at 9,700 ft. Objects disappeared from sight in a cloud deck to the SW. (Sparks; Hynek UFO Exp ch. 7, case RV-6; NARCAP)	1 hr ?	4+	RV, multiple radars, bincoculars
1202.	4760	June 12, 1957. Milan, Italy. 7:30 p.m. G. U. Donadio, translator for export-import firm, saw an object "big as a hen's egg" [at arm's length?] fly very fast, zigzag, hover and revolve, then shoot up. (Sparks; Berliner)	17 mins	1	
1203.		July 16, 1957. Las Vegas, Nevada/N Arizona. 1:56-1:58 p.m. (MST). USAF ADC radar station 865th ACWRON, Las Vegas AFS, Angel Peak (36°19.1'N, 115°34.4'W), Nevada, Senior Director 1st Lt. Clifford E. Pocock, scope operator A/2c Walter Lyons, and control technician A/1c Armand Therrien, using the FPS-3A L-band search radar tracked an inbound target at average speed of about 6,200 mph for 48 secs [?] when it "stopped abruptly" and "remained stationary" for 12 secs to the ENE at 75° azimuth 85 miles range, N of Grand Canyon, then target headed outbound at about 7,000 mph on 85° heading over the last 72 secs before disappearing at the radar's maximum range at 81° azimuth 224 miles range (near Marble Canyon, Ariz.). Target responded to encrypted military IFF transponder signals and transmitted encrypted responses. Similar occurrence 2 days earlier noted by night crew but none others in 2 years. See July 17 and 18 radar-emitting and/or IFF-transmitting UFO incidents in Mississippi and Arizona. (Sparks; Jan Aldrich)	2 mins 12 secs	3	radar and IFF

1204.		July 17, 1957. Gulfport, Mississippi, E Texas to Ft. Worth and to E of Oklahoma City. 4:30-6:40 a.m. (CDT). Electronic Intelligence (ELINT) RB-47 jet on training mission repeatedly encountered maneuvering radartransmitting UFO which correlated with visual of brilliant white-red light tracked at 10 nautical miles from RB-47 by Dallas/Duncanville AFS 647th ACWRON air defense FPS-10 radar (32°38.8' N, 96°54.3' W), with same motions outpacing jet, simultaneous blink outs on Duncanville radar, ELINT monitors, visually and on airborne navigation radar. (Sparks in <i>The UFO Encyclopedia</i> , 2nd ed. 1998, vol. 2, pp. 761b-790b)	2 hrs 10 mins	6+	RV and ELINT
1205.		July 18, 1957. Mt. Lemmon, Ariz. (32°26.5'N, 110°47.4'W). 10:46-11:20 p.m. (MST). USAF ADC radar station 684th ACWRON, Mt. Lemmon AFS, Senior Director Capt. Claiborne F. Bickham and crew using both MPS-7 L-band search and MPS-14 S-band height-finder radars tracked a stationary target at 42,000 ft to the NW at 308° azimuth 82 miles range (S of Chandler, Ariz.). Target responded to encrypted military IFF Mode 3 transponder signals, transmitted encrypted responses resulting in "normal Mode 3 paint" on radar scopes, and "a very slight strobe came from object appearing like ECM jamming." See similar incident on July 16, 1957, in Arizona (Las Vegas radar station) and RB-47 case on July 17. (Sparks; Jan Aldrich)	34 mins	3+?	radar and IFF
1206.		July 24, 1957. Nemuro Strait, Japan. 10 a.m. 2 USAF pilots flying F-86 jet fighters scrambled to intercept disc-shaped object, tracked by ground radar and seen by ground witnesses. (Sparks; Weinstein; BB files??)		3+?	RV
1207.		July 25, 1957. Niagara Falls, New York. 12:25 a.m. (EST). USAF pilot 1st Lt. Robert S. Hipkins and alert center operator S/Sgt Raymond C. Henry, both 47th Fighter Interceptor Sq on the ground, saw a circular brilliant white object with smaller 6? pale green lights on its perimeter move slowly at constant altitude at first then make fast pivoting turns, maneuvering radically SE to NE (from azimuth 150° elevation 45° to azimuth 75° elevation 65°), disappearing in a rapid steep climb. Radar tracked for 3 mins by CPS-6 ground ADC site. (Sparks; McDonald list; Jan Aldrich)	8 mins	2+?	RV
1208.	4841	July 27 or 29, 1957. Longmont, Colo. Early morning. J. L. Siverly saw a thick disc, ice blue, with a top like honeycomb (interconnected hexagons), hover and rock below the hill tops. Middle band was scalloped, bottom had four kidney-shaped forms. (Sparks; Berliner)	10 mins	1	
1209.	4847	July 29, 1957. Cleveland, Ohio. 10:31 p.m. Capital Airlines Capt. R. L. Stimley and First Officer F. J. Downing saw a large, round, yellow-white object dim once, cross the bow of the airliner, which then gave chase but was unable to catch it. (Sparks; Berliner)	8 mins	2	
1210.	4848	July 29, 1957. Oldsmar, Florida. 11:45 a.m. E. E. Henkins saw a pale yellow fireball glide into the water and exploded. (Sparks; Berliner)	1 min	1	

1211.	Aug. 3, 1957. About 175 miles SW of San Francisco,	37-39	2+		radar and
1211.	Calif. (at 35°30' N, 124°30' W). 7:45-8:24 a.m. (PDT).	mins			IFF
	USAF 965th Aircraft Early Warning & Control Sq (552nd	111115			11 1
	AEW&C Wing), pilot 1st Lt. Robert J. Springer, Jr., Tech.				
	Sgt. Herman L. Giles, and 16 other air crewmen, while on				
	routine Airborne Operations Center radar early warning				
	patrol over the Pacific aboard RC-121D aircraft (s/n 53-				
	3400) detected a target on IFF Mode 2 transponder only.				
	At 7:56 the IFF target became a direct radar "skinpaint," at				
	8:02 the IFF equipment APX-6/APX-7 was turned off but				
	target was still tracked on airborne radar. At 8:15 target				
	was at 2 o'clock position 10 miles range when aircraft				
	started a right turn to reverse course putting target at dead				
	ahead and target "suddenly" took off to the NW at "very				
	high" speed, disappearing at 58 miles range (within 1-2				
	mins? at 1,800-3,600 mph?). Regained radar contact at				
	8:18 at 1 o'clock position 22 miles range moving right to				
	left, crossed in front of aircraft again, closing distance to 8				
	miles at 11 o'clock position at 8:20 when target turned to				
	head on parallel path. Lost contact at 8:24 at 7 o'clock				
	position behind the plane at 15 miles, IFF remaining off,				
	no visuals. (Sparks; Jan Aldrich)				
1212.	Aug. 22, 1957 Cecil NAS, Florida. 3:40 p.m. Sheetz and		2	140 ?	EM
	another civilian in a car chased a 50 ft black, bell shaped				
	object bearing two bright, white lights at the top until the				
	engine stalled when object hovered 10 ft away. Underside				
	resembled a disk with fins. When a jet took off from the				
	airfield, the object went out of sight almost instantly. Car				
	battery was found completely dead. Noise from the object				
	compared to helicopter though no helicopter in the area.				
	(Sparks; Vallée Magonia 399; Saunders/FUFOR Index)				

1010	4 01 100 1055 C 1 1 45C C 1 1 C 110 /	11 10	1 . 4	I	1
1213.	Aug. 21 and 22, 1957. Cambria AFS, Cambria, Calif. (at	1 hr 10	1 + 4		
	35°31'22"N, 121°03'51"W, elev. ~680 ft MSL). 7:58	mins +			
	p.m. (Aug. 21) + 7:35 p.m. (Aug. 22) (PST). USAF radar	47 mins			
	operator S/Sgt William H. Miller at 775th ACWRON				
	sighted 3 [2?] round red and orange objects in "stacked"				
	formation to the SW (at 15° elevation?), observed in				
	binoculars. Apparently unrelated radar target (2 targets?)				
	in WSW at 240° altitude 12,000 and 17,000 ft at 12 mi				
	range at 15° elevation [11° and 15°] due to anomalous				
	propagation (?); disappeared at 7 mi range and 12,000 and				
	17,000 ft [elevations 18° and 25°]. Fighters scrambled				
	from Moffett Field NAS and North Island NAS (F3D				
	fighters) apparently unsuccessful. USAF personnel at				
	775th ACWRON, Major Joseph S. Anderson (Exec Ofcr),				
	1st Lt. Thomas E. Brinton (Director), and radar operator				
	Miller, sighted 2 round white (later orange) objects in				
	stack formation to the SW at 15° elevation, observed in				
	binoculars. FPS-6 height-finder radar detected object(s) in				
	the same direction at 40,000 and 41,000 ft range 13 miles				
	dropping to 36,000 ft 13 miles, unclear whether azmuths				
	258° (initial) 263° (final) elevation 20° (initial) 18° (final)				
	applied to radar or visual targets; unclear whether FPS-3				
	search radar detected objects. Observers at radar station				
	saw 2 unrelated objects in the W, the planets Venus and				
	Jupiter in conjunction less than 1° apart, which				
	disappeared at the exact time, 8:22 p.m. (PST), that Venus				
	and Jupiter set below the horizon at 269° and 270°				
	azimuth (corrected for radar station elevation and				
	refraction). Two F2H Navy fighters from Moffett Field				
	NAS were sent to the area and made visual contact with				
	what they considered to be a stars [apparently Venus and				
	Jupiter in conjunction setting in the W]. Anomalous radar				
	propagation indicated by the blanking out of both fighters'				
	IFF transponder signals on FPS-3 search radar scope when				
	between ranges of about 50 to 70 miles from the objects.				
	IFO's and false radar targets. (NICAP; Sparks;				
	McDonald list; Saunders/FUFOR Index; BB files)				
1214.	Aug. 27, 1957. Dry Tortugas, Florida. 4:45 p.m. (EDT?).				RV
	Crew of military aircraft saw an object with bright red to				
	reddish-yellow pulsating light, tracked by ground radar.				
	(Sparks; Project 1947)				
1215.	Aug. 29, 1957. Paso Robles, Calif. Daytime? Taylor and	4 mins	2		
1215.	Bunting saw silver circular object flying N to W. (Sparks;				
	Hynek UFO Rpt p. 44; Saunders/FUFOR Index)				
	Tryfick of o kpt p. ++, buullucis/1 of ok illuch)	l .	L	L	

1217	1	Aug 20 1057 Changed a Danier Nie Nie C-11 V Di	1	2 :		D17
1216.		Aug. 30, 1957. Chesapeake Bay nearing Norfolk, Va. [N	several	3+		RV
		or NNE of Norfolk]. Night [ca. 11:30 p.m. (EST)].	mins			
		Capital Airlines pilot Capt. William J. Hull with 3 million				
		miles, 15,000 hours and 17 years' flight experience and				
		author of anti-UFO skeptical article "The Obituary of the				
		Flying Saucer" in <i>The Airline Pilot</i> magazine (Sept. 1953),				
		in a Viscount airliner [at 300 mph? descending?] at				
		12,000 ft, with co-pilot, [on Capital Flight 875? from NY				
		Newark airport to Norfolk] saw a fast-moving brilliant				
		object stop motionless directly in front of their aircaft and				
		remain there for several minutes. Pilot of Northeast				
		Airlines DC-6 [DC-6B on Flight 89? from NY Idlewild				
		airport to Miami] at 20,000 ft directly above the Viscount				
		radioed Hull that he detected UFO on his radar at 20				
		[nautical?] miles [horizontal?] range only when antenna				
		was tilted up at 15° [thus at altitude of about 53,000 ft vs.				
		Hull's estimate of 60,000 ft]. UFO disappeared visually				
		and from radar at same time by "dissolving" or "fading."				
		At 15° elevation above aircraft local horizontal the UFO				
		would have been difficult for DC-6B pilot to see, whereas				
		the better vertical field of view in the Viscount would have				
		enable Hull to see it at about 18° elevation. See Nov. 14,				
		1956, case. (Sparks; Condon project Unexplained case,				
		CR pp. 127-9; McDonald critique of CR Jan 1969;				
		Hynek-CUFOS-Willy Smith files; Hull letter Oct. 26,				
		1957)				
1217.		Sept. 19, 1957. Point Pleasant, New Jersey. 6:40 p.m.				
		Connell saw a boomerang-shaped object bigger than a				
		house land. Grass flattened. (Sparks; Vallée Magonia				
		403; Saunders/FUFOR Index)				
1218.	4959	Sept. 20, 1957. Kadena AFB, Okinawa. 8 p.m. S/Sgt. H.	4 x 5-10	2		
		T. O'Connor and S/Sgt. H. D. Bridgeman saw an object,	secs?			
		shaped like a coke bottle without the neck, translucent and				
		fluorescent, make four 5-10 second passes from N to S,				
		with 4-5 mins between passes. (Sparks; Berliner)				
1219.		Sept. 20, 1957. Montauk, New York - Benton, Penna. 4	20+ mins	multi		multiple
		p.m. National air defense UFO alert (previous cases on	?	ple		radars
		Dec. 6, 1950, Apr. 17, 1952, not in BB files apparently;				
		see subsequent alert of Apr. 18, 1962, in BB files). High				
		speed 2,300 mph radar target on E-W path at 50,000 ft				
		altitude tracked by multiple radars, including 1-min track				
		by FPS-3 at Montauk Point and 9 mins by CPS-6B at				
		Benton, from E Long Island to Buffalo, New York (with				
		alleged 11 min gap in between??), triggering a White				
		House alert, high level CIA, USAF Intelligence, IAC				
		Watch Committee, and IAC Executive Session meetings				
		(Intelligence Advisory Committee, IAC, was board of				
		directors of US Intelligence Community now called				
		National Foreign Intelligence Board, NFIB). Speed varied				
		from 1,500 to 4,500 mph. (Sparks; FOIA; CIA files;				
		FBI files; Senate Hearings Jan. 1958)				
1220.	5003	Oct. 8, 1957. Seattle, Wash. 9:17 a.m. 2 U.S. Army	25-30	2		
		sergeants saw 2 flat, round, white objects fly in trail	secs			
		formation along an irregular path, frequently banking.				
		(Sparks; Berliner)				
		<u> </u>				

1221.	Oct. 19, 1957. Mildenhall RAF Station, England, UK (at	29+ mins	6+	1 ?	RV, EM,
	52°22' N, 0°29' E). 5:40 p.m. (GMT). USAF 1979-2	(visual)	Ü		binoculars
	AACS Detachment air traffic controller Airman 2nd Class				
	Harold R. Pringle, watch supervisor Airman 2nd Class				
	Allen B. Warsewich, and GCA radar (CPN-4) operator				
	Airman 2nd Class William H. Conn. Visual sightings of				
	slow-moving circular object, light-yellow gradually				
	changing to orange, low on horizon in the SW, at 5:40				
	p.m. at 5° elevation 230° azimuth, disappeared in clouds at				
	6:09 p.m. at 3° elevation 250° azimuth, after moving an				
	estimated 15°-18° (rounded off to 20°). Mildenhall RAF				
	Station Weather Observer sighted object at 5:55 p.m.				
	Lakenheath AFB RAPCON sighted stationary object				
	changing colors from yellow to orange at 7:28 p.m. to the				
	SW of Mildenhall [thus about SSW of Lakenheath].				
	Initial visual sightings at Mildenhall possibly Venus				
	though discrepancies in position (Venus was at about 220°				
	to 225° azimuth moving only 5.9°, and at elevation 4° to				
	1°) and Venus set at about 6:21 p.m. thus cannot have				
	been seen at Lakenheath at 7:28 p.m. Weather was "haze"				
	[about 1-3 miles visibility] or clouds with only 6 miles				
	visibility, making it unlikely that Venus or other				
	astronomical bodies could be seen. Ghost radar UFO				
	followed RAF Meteor jet ca. 10:40 p.m. Radar targets				
	correlated with some visual sightings. (Sparks;				
1222	McDonald list; NICAP website)		2 [0]		DM
1222.	Oct. 21, 1957. RAF Gaydon [North Luffenham?],		2+ [?]		RV
	Warwickshire, England. 9:18 p.m. RAF pilot flying				
	Meteor fighter had near collision with object, 6 lights emerged when fighter approached, object disappeared				
	suddenly, ground radar tracking confirmed sighting.				
	(Sparks; Project 1947; Saunders/FUFOR Index; Mary				
	Castner/CUFOS)				
1223.	Oct. 22, 1957. Wiesbaden, West Germany. (Sparks;				radar
1223.	McDonald list; Saunders/FUFOR Index)				radar
1224.	Nov. 2, 1957. 3 miles W of Canadian, Texas. 3:30 a.m.		2+?		EM
122	Calvin and other military/civilian witnesses saw a				23.12
	submarine-shaped object, red and white, 2-3x car length				
	(40-60 ft) and about 10 ft high, at ground level. A figure				
	was seen near the object, compared to a white flag [?].				
	When a car stopped nearby, a flash of light from the object				
	coincided with the sudden failure of the headlights.				
	(Sparks; Vallée Magonia 418; Saunders/FUFOR Index)				
1225.	Nov. 2, 1957. 4 miles W of Levelland, Texas. 10:50 p.m.	2-3 mins	2	100	EM
	Pedro Saucedo and Jose Salaz driving W saw a flash of				
	light to the right of the road then a large 200 ft long 6 ft				
	wide blue torpedo-shaped object, with yellow flame and				
	white smoke emitted from the rear, rose up out of the field,				
	headed straight toward their truck, passed directly				
	overhead at about 200 ft with a loud thundering roar, a				
	rush of wind and great heat, causing the truck engine to die				
	and headlights to go out, then disappeared in the E towards				
	Levelland, and the lights came back on spontaneously and				
	the engine was able to be restarted. (Sparks; Hynek UFO				
	Exp ch. 9; Tony Rullán; Vallée Magonia 419)				

1226.	Nov. 3, 1957. 9 miles E of Levelland, 1 mile W of Smyer, Texas. 12:05 a.m. Texas Tech college student Newell H. Wright was driving W when the ammeter on his car dashboard started fluctuating widely, car motor gradually went out then headlights and radio died. He got out to check and saw a white or aluminum-colored oval-shaped object flat on the bottom like a loaf of bread, with a greenish tint, about 75-125 ft long. After a few mins object suddenly rise up from the road ahead and ascend almost vertically at great speed, slightly to the N, disappearing in secs. Afterward car was able to be restarted. (Hynek UFO Exp ch. 9; Tony Rullán; Vallée Magonia 419)	4 mins	1		ЕМ
1227.	Nov. 3, 1957. White Sands Proving Ground (WSPG), New Mexico. 2:30-3 a.m. (MST). Army Cpl. Glenn H. Toy and PFC James E. Wilbanks, Army Garrison Detachment 5, WSPG, in a jeep patrol driving N, located S of Stallion Site, saw an orange or fire-like, "apparently controlled," egg-shaped luminous object about 120 ft (PFC estimate) 225-300 ft (Cpl. estimate) in size, first high in the sky descending to 60-80 ft (PFC estimate) or 150 ft (Cpl. estimate) above ground, hovering for 3 mins (then disappeared for a few mins and reappeared almost as bright as the sun, then fell at about a 40° angle to the ground as if landing and light went out, about 2-3 miles away at the N end of the test grounds. Possibly the nearly Full Moon which set about 3:30 a.m. (MST) in the W. (Sparks; BB files; Magonia 420; Saunders/FUFOR Index)	10 mins	2	2?	
1228.	Nov. 3, 1957. White Sands Proving Ground, New Mexico. 8 p.m. (MST). Army Spec-3 Henry R. Barlow and Spec-3 Forest R. Oakes, Army Garrison Detachment 5, WSPG, in a jeep patrol driving W near the site of the first A-bomb explosion, Trinity Site, saw a pulsating red then white light, possibly 200-300 ft in size about 4-5 miles away, brightening and dimming sometimes going out, rising in the sky from the ground (per Spec-3 A) or from about 50 ft over the bunker (per Spec-3 Z) up to about 45° elevation until it looked like a star or point source then disappeared. Possibly Venus in the SW setting at about 8:30 p.m. (MST). (Sparks; BB files; Magonia 420; Saunders/FUFOR Index)	25 mins	2	1?	

1229.	Nov. 4, 1957. About 8-10 [4?] miles SSW of Orogrande,	2+ 2	7+	2-1/2	EM
1447.	New Mexico (at about 32° 18' N, 106° 8' W, elev. 4100	mins	, '	∠-1/∠	151V1
	ft). 1:10 p.m. (MST). James Stokes, electronics	[~1.5 +			
	instrumentation technician, Rocketsonde Branch, High	1.5 mins]			
	Altitude Test Division, AF Missile Development Center,	1.5 111115]			
	Holloman AFB, NM, a Mr. Duncan of Las Cruces, NM,				
	and Allan Baker of Holloman AFB. Stokes was driving S				
	down Hwy 54 when his radio faded and the car slowed				
	[stopped?] as if the battery was failing then he noticed 6-				
	12 cars ahead of him had stopped and drivers were out				
	looking at the sky (looking behind him to the NE),				
	including Duncan and Baker. Stokes stopped and got out,				
	saw pearl-white oval or egg-shaped object about 500 ft				
	wide with slight purplish tinge heading S at high speed				
	estimated 1500-2000 mph from the NE below elevation				
	angle of Sacramento Mtns ridgeline (about 1°), descending				
	from about 5,000 ft above ground level in shallow dive to				
	about 1,500-2,500 ft AGL as it swerved to the W to pass to				
	the S of Stokes and the other stopped cars about 2 or 3-5				
	miles at closest, then circling around headed W and				
	disappearing. The same or another object appeared in the				
	NE (as if the object had completely circled) and performed				
	same rounded course but passing farther to the S of the				
	parked cars [about 5 miles?] and disappeared in the W.				
	Duncan took 35 mm film of the object. Stokes noticed a				
	wave of heat from the object at closest approach, later that				
	evening was sunburned, but it cleared up the next day.				
	(Sparks; APRO; BB files; McDonald list;				
	Saunders/FUFOR Index; etc,)				
1230.	Nov. 4, 1957. Elmwood Park, Illinois (at 41°56.3' N,	10-15	4	1	EM
	87°49' W). 3:12-3:22 [3?] [3:15?] a.m. (CST). Police	mins			
	officers Joseph Lukasek and Clifford Schau and fireman				
	Daniel De Giovanni on patrol noticed unexplained				
	dimming of their spotlight and headlights, saw setting-sun-				
	like orange globe straight ahead down the street to the W				
	[street oriented to 268° azimuth], various maneuvers as				
	they pursued it over 1-1/2 miles and U-turns, seen to N,				
	passing over their car behind them to E and again W,				
	approaching to within 150-300 ft [?]. Noiseless, changed				
	to cigar shape at one point. Disappeared high up in the				
	sky like a black shade pulled up from the bottom. Moon				
	reportedly seen to the E in clear sky [actually W, at about				
	274°-275° setting at 276° at about 3:30 a.m., 90% full, and				
	street oriented to 268° so moon not visible through ½ mile				
	of buildings lining alleyway of W. Wellington Ave.].				
	Independent witness Helmut Reuter saw the red-orange				
	cigar-shaped object to the W at 3:15 a.m. from 73rd Ave.,				
	Elmwood Park. (Sparks; Hynek UFO Rpt pp. 172-6;				
	Vallée Magonia 421; Loren Gross Nov. 3-5, 1957, pp. 22-				
i l	27; Herb Taylor)	1			

1231.	Nov. 4, 1957. 3 miles SE of El Paso Airport, Texas. 7:30		1		EM
1231.	p.m. Border Patrol inspector Burton saw egg-shaped		1		LIVI
	object with bluish glow approaching from the SW at 30°				
	elevation with whirring sound like artillery shell after car				
	stalled and headlights dimmed and blacked out. Object				
	passed over car at 100 ft height headed W, changing				
	altitude at irregular intervals, rose vertically at Franklin				
	Mtns. (Sparks; Hynek UFO Rpt p. 181;				
1232.	Saunders/FUFOR Index) Nov. 4, 1957. Kirtland AFB (at 35° 3' N, 106°38' W) and	25 mins	3+	1/2 ? (2°	RV,
1232.	Manzano Base/Site A National Nuclear Stockpile,	23 1111118	3⊤		binoculars
	Albuquerque, New Mexico. 10:45 p.m. (MST). CAA air	1		? equiv in	billoculars
	traffic controllers R. M. Kaser and E. G. Brink saw a				
				binocs)	
	highly maneuverable 15-20 ft egg-shaped object with a				
	white light at its base circle over the W [E?] end of the				
	base at 150-200 mph and come down in a steep 30° dive				
	as if landing on Runway 26, to the N or NW of the tower				
	at about 1500 ft. Radar tracked part of this maneuver.				
	Object then crossed flight line, runways and taxiways				
	heading towards the tower at about 50 mph and 20-30 ft				
	above ground, observed through 7x binoculars till it				
	reached about 3,000 ft to the ENE near the NE corner of				
	the floodlit restricted nuclear Weapons Storage Area /				
	Area D/Drumhead Area (Manzano Base/Site A National				
	Nuclear Stockpile), and a B-58 bomber service site, where				
	it hovered for 20 secs-1 min then headed E again, at about				
	200-300 ft height, then suddenly shot up at a steep climb at				
	about 45,000 [4,500?] ft/min. Controllers contacted				
	RAPCON which tracked object on CPN-18 radar traveling				
	E then turning S, circling the Albuquerque Low Frequency				
	Range Station then headed N [disappearing at 10 miles				
	and reappearing 20 mins later to circle around ?] to follow				
	1/2 mile behind a USAF C-46 that had just taken off to the				
	S for 14 miles until both went off scope. Hovering radar				
	target then appeared to the N over outer marker for 1-1/2				
	mins before fading. (Sparks; McDonald 1968, 1972;				
	Hynek UFO Exp ch. 7, case RV-3)				
1233.	Nov. 5, 1957. Long Beach Airport, Calif. Zibello.				
	(Sparks; McDonald list; Saunders/FUFOR Index)				
1234.	Nov. 5, 1957. Eglin AFB, Florida. (Sparks; McDonald				radar
	list)				
1235.	Nov. 5, 1957. About 200 [350?] miles S of Mobile (at 25°	7 mins ?	5+?		RV
	[27°?] 47' N, 89°24' W) and near Selma, Alabama. 5:16-				
	5:23? a.m. US Coast Guard cutter Sebago heading NNE at				
	23° azimuth tracked radar target to the S at 188° azimuth				
	range 22 miles traveling at 650 mph disappearing at 190°				
	azimuth at 55 miles range. Visual object like a brilliant				
	planet was seen at 5:21 for 5 secs traveling left to right				
	from W to NW from 270° to 310° azimuth at about 31°				
	elevation. A radar target seemingly stationary for 1 min at				
	5:20-21 to the N at 350° azimuth range 7 miles moved				
	slowly towards the NE then accelerated rapidly off the				
	scope at 15° azimuth (about NNE) at 175 miles. 3 USAF				
	pilots at Selma saw a bright object flash from S to N, time				
	uncertain. (Sparks; Hynek-CUFOS-Willy Smith files; cf.				
	CR p. 165)		<u> </u>		
	• • •	ě.		•	•

			, ,		1	,
1236.		Nov. 5, 1957. Scotia, Nebraska (41.46° N, 98.68° W).		1		
		5:30 p.m. Winslow heard helicopter-like noise, smelled				
		"burning" odor, saw a balloon-like, elongated object				
		coming to ground level, without touching down,				
		emanating thick smoke, then object rose again and				
		disappeared. Witness was "paralyzed" during sighting.				
		(Sparks; Vallée Magonia 424; Saunders/FUFOR Index)				
1237.		Nov. 6, 1957. Kagoshima, Japan (31°37' N, 130°32' E).				radar
		(Sparks; McDonald list)				
1238.		Nov. 6, 1957. Laredo AFB, Texas. (Sparks; McDonald				radar
		list)				
1239.		Nov. 6, 1957. Whiteman AFB, Missouri. (Sparks;				radar
1237.		McDonald list)				Tadai
1240						
1240.		Nov. 6, 1957. N of Seoul, South Korea (at 37°30' N, 127°				
		E?). Morning. A luminous bluish-white barrel-shaped				
		object was seen close to the ground, reflected in a pool of				
		water. It rose and vanished "like a light switched off."				
		(Vallée Magonia 426)				
1241.		Nov. 6, 1957. Santa Fe, New Mexico. 12:10 a.m. J.		2		EM
12-T1.		Martinez and A. Gallegos saw an egg-shaped object		2		17171
		slowly coming toward them at low altitude, illuminating				
		their car, producing a humming sound. Car engine, clock				
		and a wristwatch stopped. Object shot away to the SW.				
		(Sparks; Vallée Magonia 425; BB files??)				
1242.	5205	Nov. 6, 1957. Boerne, Texas. 6 p.m. McGregor saw an		1		
		oval object, about 15 ft long, bright orange similar to				
		glowing coals, hovering 12 ft above ground. He went to				
		call his family but the object had vanished when he				
		returned. Tape [?]. (Sparks; cf. Vallée Magonia 431;				
		Saunders/FUFOR Index)				
1243.		Nov. 6, 1957. Lake County, Ohio. 6:30 a.m. Markell saw		1		
		an unbearably bright round object, much larger than a				
		plane, landing on a ridge, then taking off again. Object had				
		an "odd color," left no trail, made no noise. (Sparks;				
		Vallée Magonia 428; Saunders/FUFOR Index)				
1244.		Nov. 6, 1957. Montville, Ohio (41.62° N, 81.06° W).	15 mins	1	12 +	radioactivit
1244.				1	12 +	
		11:30 [11:20] p.m. (EST). Olden J. Moore, 28, a plasterer,	+			У
		while driving home suddenly saw an object like a bright				
		meteor split into two pieces, one going straight up, the				
		other getting larger while color changing from bright white				
		to blue-green. Object hovered 200 ft above a field close to				
		ground, 500 ft away, with a soft whirring sound. After 15				
		mins, Moore walked to the object, which was shaped like				
		1				
		"a covered dish" 50 ft in diameter, 15 ft high, with a cone				
		on top about 10 ft high, surrounded by haze or fog,				
		pulsating slowly. Holes, footprints and decaying				
		radioactivity found at the site by Civil Defense Director				
		Kenneth Locke about 12 (?) hours later, a maximum of				
		150 microoentgens/hour at the center of a 100-foot UFO				
		hovering/landing site area, decaying to 20 microR/hr 3				
		hours later, suggestive of an approximately 1-hour				
		radionuclide half-life. (Sparks; Vallée Magonia 433;				
		Michel-Mebane 1958; BB files)				
1245.	5227	Nov. 6, 1957. Radium Springs, New Mexico. 10:50 p.m.	10 mins	2		
		Las Cruces policeman [Barela?] and a Dona Ana County				
		Deputy Sheriff saw a round object changing from red to				
1 1						
		green to blue to white rising vertically from a mountain top. (Sparks; Berliner; Saunders/FUFOR Index)				

1246.		Nov. 7, 1957. Harlingen AFB, Texas (26.18° N, 97.69°			radar
		W). (Sparks; McDonald list; Saunders/FUFOR Index)			
1247.		Nov. 7, 1957. Amarillo, Texas. 7:45 p.m. AEC security	30 mins	3+	
		guards and a Texas highway patrolman at the Pantex			
		plutonium nuclear weapons assembly plant sighted 3			
		flashing objects that hovered for 30 mins over the plant			
		only 50 ft in the air. The highway patrolman said the			
		guards were "all shook up" when he got there. One object			
		reportedly landed offsite. The guards attempted to			
		approach it, but every time they got near, the object would			
		slip away. BB case? (Sparks; David Rudiak; Amarillo			
		Globe-Times, Nov. 8, 1957)			
1248.	5254	Nov. 8, 1957. Merrick, Long Island, New York. 10:10		1	
		a.m. Mrs. L. Dinner saw a bar-shaped object, 3.5 ft long,			
		giving off blue flashes and a swishing sound. No further			
		data. (Sparks; Berliner)			
1249.		Nov. 9, 1957. Lake City, Missouri. 1 a.m. Boardman		1	EM
		driving home from work saw a hovering object 50 ft long.			
		Car engine died as he approached, restarted again after			
		object's departure. (Sparks; Vallée Magonia 439;			
		Saunders/FUFOR Index)			
1250.		Nov. 12, 1957. Houma, Louisiana. (Sparks; McDonald			
		list)			
1251.		Nov. 14, 1957. Rothwesten, West Germany. [601st			radar
		AC&W Sq?] (Sparks; McDonald list; Saunders/FUFOR			
		Index)			

1050	NI 14 1057 00 '1 NE CIT'II C': 5 ' 3 T	0.0 .	_	1	
1252.	Nov. 14, 1957. 23 miles NE of Hill City [airport], Kansas	8-9 mins	2	~1	
	(at 39°37' N, 99°32' W). 5:34 p.m. (CST). USAF pilot				
	Major William B. Taft and co-pilot 1st Lt. Joshua M.				
	Hinson, flying B-47E bomber based at SAC 339th Bomb				
	Squadron (Medium), Dyess AFB, Abilene, Texas, at				
	36,000 ft true heading 183° at 410 knots TAS true air				
	speed (=true course ~173° and true ground speed ~412				
	knots with 270° ~70 knot wind). Sighted oval metallic				
	silver gray object shaped like a football but with rounder				
	ends, and with a brighter Saturn-like horizontal ring not				
	extending beyond the edges of the oval. Object was first				
	seen about 25° above the aircraft nose [~20° above aircraft				
	horizontal] and about 70° to the right (~253° true azimuth				
	or nearly W) at about "2 o'clock high," stationary for				
	about 4 minutes [8 mins?] 5,000 to 10,000 higher altitude				
	(41,000 to 46,000 ft), then followed another B-47 headed				
	in the opposite direction at same flight altitude (36,000 ft)				
	north-bound true heading 360°, about 20 NM to the W,				
	remaining stationary above the other B-47 for about 1				
	minute as UFO and other B-47 fell behind to about "4				
	o'clock high" at 120° relative bearing (~303° true azimuth				
	or about WNW) about 25° above nose level [about same				
	relative 20° local aircraft horizontal level] then rose				
	vertically "very rapidly" accelerating until disappearing,				
	brighter while in motion. [B-47E final position about				
	38°42' to 35' N, 99°25' to 24' W at 5:42 to 5:43 p.m. CST.]				
	Dyess AFB ground observers suggested Venus was bright				
	in the sky. However the sun had not set yet at the B-47E's				
	altitude (upper limb \sim 1° to \sim 0.1° above earth's apparent				
	horizon in about 248° to 249° (about WSW) corrected for				
	refraction and aircraft altitude / geometric depression				
	angle, gradually setting) and Venus' position was at 206°				
	to 208° azimuth, elevation 19° to local aircraft horizontal,				
	in the SSW not W/WNW about 47° to 95° away. If UFO				
	was about 1-2 miles higher, thus 3-6 miles distant, and				
	angular size roughly pea at arm's length (about 1 Full				
	Moon), then actual size ~100-200 ft. (Sparks; BB files)				
1253.	Nov. 22, 1957. 10 miles SE of Tarakly, Turkey (at 40°15'		1		
	N, 30°32′ E). Daytime. Turkish Air Force pilot saw a 10				
	ft regular-hexagon-shaped object. (Sparks; Project 1947)				
1254.	Nov. 23, 1957. Joliet, Illinois. (Sparks; McDonald list;				radar
	Saunders/FUFOR Index)				
1255.	Nov. 23, 1957. 30 miles W of Tonopah, Nevada. 6:10-30	20 mins	1	72	
	a.m. (PST). 1st Lt. Joseph F. Long, fighter pilot. Car				
	engine stalled, he heard high-pitched whining noise, saw 4				
	landed 50-foot saucer-shaped UFO's to the right of the				
	road at 900-1200 ft away. He approached on foot to 50 ft				
	distance, objects lifted off, flew north over highway,				
	disappeared behind hills 1/2 mile away. Ground				
	impressions at the landing site. (Sparks; Hynek UFO Rpt				
	pp. 182-6; Willy Smith pp. 71-79; Vallée Magonia 445)				
1256.	Nov. 25, 1957. Eglin AFB [S of Hurlburt Field?], Florida.				RV
	10 p.m. USAF B-66 crew saw 3 objects, tracked by				
	ground radar. (Sparks; McDonald list; Project 1947)				

1257.		Nov. 26, 1957. West Mesa AFS, New Mexico. 8:41 p.m. (MST). Airmen Montoya, Bazinette and Scott at 687th ACWRON Squadron ADC radar site M-94 with MPS-7	1 mins 24 secs	3	radar IFI	F
		radar tracked unknown target at 3,000 knots (3,500 mph) at 315° azimuth 170 NM range decreasing range to 115 NM at 315° azimuth then disappearing at 63 NM, still at				
		315° azimuth, in 6 additional sweeps of radar antenna in 1				
		min 24 secs. Elevation angles unknown. Target correlated with IFF Mode 3 transponder siganls emitted by				
		UFO radar target. (McDonald list; Saunders/FUFOR Index)				
1258.		Nov. 26, 1957. Sea of Okhotsk, W of Kamchatka, USSR				
		(at 53°30' N, 154°28' E). 11:04 p.m. USAF crew of RB-				
		50, 6091st Recon Sq, saw a brilliant red object with bluish-green tail in level trajectory. (Sparks; Project				
		1947)				
1259.		Nov. 26, 1957. Joliet, Illinois. 6:30 a.m. Air National		1		
		Guard F-86A pilot saw a stationary yellowish object				
1260.	5419	disappear slightly [?] to the N. (Sparks; Project 1947) Nov. 26, 1957. Robins AFB, Georgia. 10:07 a.m. 3	8 mins	8		
1200.	0.13	control tower operators, 1 weather observer and 4 others				
		saw a silver, cigar-shaped object, which suddenly				
1061		vanished. (Sparks; Berliner)		2		
1261.		Nov. 27, 1957. Yakima, Wash. 1:25 a.m. (PST). Northwest Airlines Flight 535 pilot in the air and control		2		
		tower operator on the ground saw a bright red glow				
		turning to white smoke moving S. (Sparks; Project 1947)				
1262.		Nov. 27, 1957. Toledo, Ohio. 7:35 p.m. (EST). Pilots of		2+?		
		Eastern and Northwest Airlines airliners saw an object				
		flying straight at about 4,800 knots (5,500 mph). (Sparks; Project 1947)				
1263.		Nov. 30, 1957. Minot, North Dakota. (Sparks;			radar	
		McDonald list; Saunders/FUFOR Index)				
1264.	5445	Nov. 30, 1957. New Orleans, Louisiana. 2:11 p.m. 3	12 or 20	3		
		U.S. Coast Guardsmen saw a round object turn [?] white, then gold, then separate into 3 parts and turn red. (Sparks;	[?] mins			
		Berliner)				
1265.		Dec. 11, 1957. Guthrie, Penna., and Parkersburg [near		3	radar	
		Lockbourne AFB, Ohio?], West Virginia. 10 p.m. USAF				
		pilots of 3 F-86's with 87th FI Sq saw an orange circular or crescent-shaped object moving erratically at Mach 1.5				
		(about 1,000 mph) with ground radar tracking. (Sparks;				
		Project 1947; McDonald list)				
1266.		Dec. 11, 1957. Lake City AFS, Tenn. (Sparks;			radar	
		McDonald list)				

1267.		Dec. 12, 1957. Asoiwayama AFS, about 20 mi NNE of	35 mins	nume		radar
1207.		Sapporo, Hokkaido, Japan (at 43°28'20" N, 141°31'18"	33 IIIII3	rous		radar
		E). 0856Z-0931Z. Capt Henry Kolb and numerous		1045		
		personnel of radar site P-45 (848th AC&W Sq., Det 45,				
		Asoiwayama AFS, about 30 miles N of Chitose) sighted				
		visual light in the sky, planet Venus, to the SW then				
		discovered an unidentified target on the height-finder radar				
		FPS-6, but not on the search radar FPS-3. One single				
		target varying in altitude from 20,000 ft down to 12,000 ft				
		with varying near-stops and accelerations to 1,700 mph. 2				
		F-86D's scrambled from Misawa AFB nearly 200 miles				
		away at 0922Z but unable to reach target before				
		disappearance at 0931Z. (Sparks; McDonald list; BB				
		files; NICAP website; Saunders/FUFOR Index)				
1268.		Dec. 13, 1957. Sea of Japan. 9:43 p.m. (local) (1243 Z).				radar
1200.		RB-47 of 6901st Recon Sq [on recon patrol] intercepted				jamming
		by ELINT "unusual double pulsed" radar signals at 1218 Z				Janning
		and 1307 Z that were evidently not UFO-related. RB-47				
		airspeed 432 knots, altitude 35,000 ft. A [meteor-like]				
		"projectile" with long [luminous] trail was sighted by the				
		RB-47 pilot, which passed over the tail of the RB-47 at				
		unknown distance, traveling in an arc, disappearing with				
		very bright explosion like flash bomb [like a meteor				
		bolide] at relative bearing 220° and an undetermined				
		altitude 50° elevation above aircraft at 1243 Z, RB-47				
		position 41°04' N, 132°05' E. Apparently at same time				
		the onboard APQ-31 bombing / navigation radar was				
		jammed from 1243 Z to 1244 Z, RB-47 True Heading				
		247°. Radar jamming signal was at True Bearing 335° to				
		001°; signal was continuous, no targets could be seen and				
		"jamming could not be tuned out." Misdated by BB to				
		Dec 23. Reported to NSA (?) and AFSSO. (Sparks;				
		McDonald list; Saunders/FUFOR Index; Terry Colvin;				
		Ballester-Olmos; BB files)				
1269.	5545	Dec. 13, 1957. Col Anahuac, Mexico. 9:35 a.m. R. C.	20 mins	sever		
120).	00.0	Cano saw 14-15 [or 30] circular, tapered discs, very bright,	20 1111110	al?		
		fly in a formation like a stack of coins, then change to an		ш.		
		inverted-V formation. (Sparks; Berliner; cf. Hynek UFO				
		Rpt. p. 120)				
1270.	5559	Dec. 17, 1957. Fruita-Grand Junction, Colo. 7:20 p.m. F.	45 mins	1		
		G. Hickman, 17, saw a round object change from yellow				
		to white to green to red, with red tail 2x as long as the				
		body. Object stopped, started, backed up. (Sparks;				
		Berliner)				
1271.		Dec. 19, 1957. Pepperrell AFB, Newfoundland, Canada.				
12/11		(Sparks; McDonald list)				
1272.		Jan. 3, 1958. Old Westbury, Long Island, New York.	8-10 secs			
		2:35 p.m. (EST). Fensterstock. (Sparks; Hynek UFO Rpt	3 10 5005			
		p. 43; Saunders/FUFOR Index)				
1273.		Jan. 4 [1?], 1958. SW Libya. 12:08 a.m. (GMT).	6 secs	2		radar
		Military aircraft pilot and navigator saw a bright orange	2 2 2 2 2 3	-		
		light streaking across the sky on a NE heading, with				
		airborne radar tracking. (Sparks; Project 1947;				
		McDonald list; Saunders/FUFOR Index)				
1274.		Jan. 9, 1958. Biggs AFB, El Paso, Texas. 7:37 p.m.	5 mins			radar
		(CST). (McDonald list; Saunders/FUFOR Index)				
		/- (1		l .	

1275.	1	Jan 11 1050 Daving Coo shout 150 miles N of Atles	£ mina			DM
12/3.		Jan. 11, 1958. Bering Sea, about 150 miles N of Atka	5 mins			RV
		Island, Aleutian Islands, Alaska (at 54°43' N, 175°15' W).				
		7:30 a.m. USN pilot of P2V-5F aircraft saw a formation				
		of 3 lights flying at 900 knots (about 1,000 mph) tracked				
		by airborne radar merging into one target. [Identical to				
		Jan. 14, 1958, incident??] (Sparks; Project 1947;				
10=1		McDonald list; Saunders/FUFOR Index)				
1276.		Jan. 14, 1958. Bering Sea. 8:34 a.m. Military aircraft				RV
		crew saw 3 lights in triangular formation flying SW at 320				
		knots (about 400 mph) tracked on airborne radar.				
		[Identical to Jan. 11, 1958, incident??] (Sparks; Project				
		1947; McDonald list; Saunders/FUFOR Index)	1 . 0	4= 0		
1277.		Jan. 16, 1958. NE of Trindade Island, Brazil (20°30' S,	1 min ?	47?	3	photos;
		29°19' W). 12:15 [12:20] p.m. IGY research ship crew		100 ?		EM effects;
		members possibly including Cdr. Paulo Moreira da Silva				radar?
		of the Brazilian Navy Hydrography & Navigation Dept.				
		and 46 other crew members (possibly as many as 100?),				
		plus semi-official civilian photographer Almiro Baraúna,				
		sighted Saturn-shaped object with greenish glow				
		maneuvering over Trindade Island. Baraúna took 4 photos				
		of object. Ship's radar detected unidentified supersonic				
		target on Jan. 15 at 12:05 PM [or Jan. 16??]. Power				
		failure on the boat just before object sighted. (Sparks;				
		Hynek/CUFOS 1983 tape interview of Baraúna;				
		APRO/Lorenzen/Fontes; etc.)				
1278.		Jan. 31, 1958. 25 miles SW of Tokyo, Japan. Night.	30 secs			
		USAF pilots of T-33 jet(s) saw 12 yellow-orange lights fly				
		S in 3 groups. (Sparks; Project 1947)				
1279.		Feb. 12 [13?], 1958. W of Wake Island. 9:14 [8:14?] p.m.				RV
		Military pilot saw a greenish-blue object emitting a bright				
		flash and tracked on airborne radar with a 2nd object.				
		(Sparks; Project 1947; McDonald list; Saunders/FUFOR				
		Index)				
1280.		Feb. 20, 1958. NW of Winslow, Ariz. 6:32 p.m. (MST).	4+ mins	12		
		12 military officers including on the ground [?] saw a				
		round or cigar-shaped stationary object. (Sparks; Project				
		1947; Saunders/FUFOR Index)				
1281.		Feb. 25, 1958. Glenwood, Newfoundland. 12:10 a.m.	1 hr 25			
		(AST). Johnson. (Sparks; McDonald list;	mins			
		Saunders/FUFOR Index)				
1282.		Feb. 25, 1958. Gander AFB, Newfoundland. 2:30 a.m.	1 hr 30			radar
		(AST). Miller. (Sparks; McDonald list;	mins			
		Saunders/FUFOR Index)				
1283.		March 2 [1?], 1958. Tampa, Florida. 7:45 [8:45?] p.m.	15 mins	1		
		Francis saw a balloon-shaped object with bright light land				1
		on the airfield then take off slowly and hover at 750 ft				1
		altitude before disappearing. (Sparks; Vallée Magonia				1
		461; Saunders/FUFOR Index)				
1284.	5716	March 14, 1958. Healdsburg, Calif. 8:45 a.m. Mr. and	2 mins	3	6	
		Mrs. W. F. Cummings and another saw a 3 ft round, black				
		object come from the W, touch the ground 50 ft away in				
		the backyard, then take off to the E, turn S, and disappear.				
		(Sparks; Berliner; cf. Vallée Magonia 462)				
1285.		April 7, 1958. Dayton airport, Ohio. 7:30 p.m. Civilian	4 mins			
	1	pilot Hilt saw a very dark blue 6-8 ft cloud-shaped object				
		on a SW heading. (Sparks; Project 1947; Saunders/FUFOR Index)				

1286.	5763	April 14, 1958. Lynchburg, Virginia. 1 [12:20?] p.m. USAF Maj. D. G. Tilley, flying C-47 transport, saw a grey-black rectangular object rotate very slowly on its horizontal axis. (Sparks; Berliner; Saunders/FUFOR Index)	4 secs	1		
1287.		May 3, 1958. Flagstaff, Ariz. 8:25 a.m. (PST). (Sparks; McDonald list; Saunders/FUFOR Index)	15 mins			
1288.	5800	May 9, 1958. Bohol Island, Philippines. 11:05 a.m. Philippine Airlines pilot saw an object with a shiny, metallic surface, falling and spinning. (Sparks; Berliner)	1.5 mins	1+?		
1289.		May 15, 1958. Caracas, Venezuela. Venezuelan Air Force aircraft pilot saw a formation of circular saucers disappear in the NW at high speed. (Sparks; Project 1947)				
1290.		May 15, 1958. Fort Bragg, North Carolina. 10:57 p.m. (EDT). Military pilot Beck [?] and 2 civilian airline pilots saw an orange round object heading N at high speed. (Sparks; Project 1947; Saunders/FUFOR Index)	5 mins	3		
1291.		May 28, 1958. Templehof, Germany. 1:30 p.m. (GMT). (Sparks; McDonald list; Saunders/FUFOR Index)				radar
1292. 1293.	5852	June 9, 1958. Central Puget Sound, Wash. 10:17 a.m. (PST). USAF 1st Lt. Charles Scharf, pilot of F-102 jet fighter (no. 1425) with 318th FI Sq. McChord AFB, Tacoma, Wash., and ground witnesses [?] saw a pinkish-whitish cylindrical object (length/width ratio 12:1) with a slight orange tint [?] and a dark circle in the center approaching at high speed at about 30° elevation with an oscillating motion. F-102 was heading S or 180° between 40,000 and 50,000 ft at about 600 mph. Pilot banked left to keep object in sight, object continued N, then climbed, decelerated, made a large 360° orbit, then circled the jet 3 times as it descended closer. Object finally pitched up 45° and accelerated in a climb, rapidly disappearing on a NW heading. (Sparks; NARCAP; Project 1947; Saunders/FUFOR Index) June 12, 1958. 10 miles W of Huntsville, Texas. 5:26 a.m. (CDT). Military pilot saw an oval reddish object the size of a pinhead [at arm's length?] on a S to NE course. (Sparks; Project 1947) June 14, 1958. Pueblo, Colo. 10:46 a.m. Airport weather	4 mins 5 mins	1	4/10 ?	theodolite;
		observer O. R. Foster, using a theodolite, sighted an object shaped like Saturn, less the bottom part, silver with no metallic luster, which flew overhead. (Sparks; Berliner)				weather observer
1295.	5857	June 20, 1958. Fort Bragg, North Carolina. 11:05 p.m. Battalion Communication Chief SFC A. Parsley saw a silver, circular object, its lower portion seen through a green haze, hover, then oscillate slightly, then move at great speed. (Sparks; Berliner)	10 mins	1		
1296.		July 20, 1958. 4 miles N of Glennie, Mich. (at 44° 37' N, 83°43' W). 2 p.m. (CDT). 3 independent witnesses heard an object hit water of a private lake making a circle 10 ft across with foam on edge of circle 2-3 ft high, making loud sound heard 200 yards away. Object sizzled 1.5 mins, zigzagged across surface 200 ft with violent motion, then sank into 50 ft depth of water as circling died out. (Sparks; Tony Rullan)	1.5+ mins	3	2 ?	

1297.		July 20, 1958. Crystal Lake, NW of Chicago, Illinois. 5:07 p.m. (CDT). Pilot Allyn saw a white disc the size of a basketball [at arm's length??] in straight line flight. (Sparks; Project 1947; Saunders/FUFOR Index)	0.1 min	1		
1298.		Aug. 4, 1958. Malmstrom AFB, Montana (47.50° N, 111.18° W). 11:15 p.m. (MDT). (Sparks; McDonald list)	0.5 min			
1299.		Aug. 11, 1958. Osel Island and Gulf of Finland. (Sparks; McDonald list)				
1300.		Aug. 12 [13?], 1958. 12 miles NW of Las Vegas, Nevada. 1:30 a.m. (MDT). Witness named Burgy. (Sparks; Hynek UFO Rpt p. 43)	4+ mins			
1301.	5999	Aug. 17, 1958. Warren, Mich (at 42°27' N, 83° 03' W). 7:05 p.m. (CDT). Business machine repairman A. D. Chisholm and 2 neighbors saw an extremely bright point source light much brighter than Venus or stars when a flight of 4 aircraft drew his attention (sighting was in daylight) [sunset at about 7:31 p.m. CDT]. Object was viewed through 8x 30 mm Japanese military artillery-observer field glasses and seen to be Saturn-shaped grayish object like a "fried egg in pan" later seen when flipping over to be surrounded by another ring but elongated. Object size estimated at about 60 ft, was stationary for 5-8 mins at about 70-75° elevation 300° azimuth in the WNW, flip over and speed away [radially?] in 30 secs. (Sparks; Berliner; Martin Shough; BB files; etc.)	6-10 mins	3	1 to 4 (in 8x binocular s)	binoculars
1302.		Aug. 30, 1958. Gray AFB, Killeen, Texas. 1:45 p.m. (CDT). (Sparks; McDonald list)	2 mins			
1303.	6027	Sept. 1, 1958. Wheelus AFB, Tripoli, Libya. 12:15 a.m. Philco technical representative A. M. Slaton saw a round, blue-white object fly at varying speeds. (Sparks; Berliner)	2 + 1.5 mins			
1304.		Sept. 5, 1958. Atlantic (at 29° 3' N, 68°56' W). 2:06 a.m. (EDT). Pan Am airline pilot saw a bright light move E to W, tracked on airborne radar [?]. (Sparks; Project 1947; McDonald list)		1		radar
1305.		Sept. 7, 1958. Miles City AFS, Ellsworth AFB, 12 miles S of Minot, North Dakota. 5:08 a.m. (MDT). Military pilot saw 2 objects with green, white, red flashing lights. Ground radar target lost when aircraft approached. (Sparks; Project 1947; McDonald list)		multi ple		RV

1306.		Sept. 8, 1958. SAC HQ, Offutt AFB, Omaha, Neb. 6:40	20 mins	25+	10-20?	SAC HQ +
1300.		p.m. (CST). SAC Operations officer-flight-engineeer-	20 1111118	∠3⊤	10-20!	photos?
		celestial navigator Maj. Paul A, Duich, USAF, plus several				photos?
		USAF officers from AF Ballistic Missiles Division, Los				
		Angeles AFS, Calif., and many other Offutt AFB officers				
		and airmen, plus Offutt air traffic control tower personnel,				
		saw an brilliantly white elongated cylindrical object				
		hovering in the W at about 270° azimuth elevation 30° just				
		after sunset [sunset at 6:46 p.m. CST at azimuth 278°],				
		object oriented vertically with blunter end highest [about				
		1/10 width/length ratio]. After several mins object turned				
		dull orange-red and became sharper in outline. A swarm				
		of about 10 "black specks" appeared to "cavort" around				
		the lower end of the object for about 1 min before				
		disappearing then the cylinder object began to rotate				
		counterclockwise so no longer oriented vertically and				
		started drifting slowly to the S from due W and dropping				
		in elevation angle over about 5 mins [to about 20°				
		elevation about 268° azimuth] until oriented horizontally				
		and diminishing in angular size. Then during final 5 mins				
		object continued angular descent and S drift and gradual				
		decrease in angular size but began rotating orientation				
		back clockwise to about 45° angle (10:30 o'clock) until				
		disappearing by fading into the slight atmospheric haze in				
		the cloudless sky at about 265° azimuth 5° elevation				
		[angular size about 1/3 of initial size]. USAF Col. took				
		several color photos with 35 mm camera on tripod but				
		later claimed nothing came out. Reported to ATIC but no				
		report in BB files. (Sparks; NICAP)				
1307.		Sept. 14, 1958. Wheelus AFB, Tripoli, Libya. (Sparks;				
1307.		McDonald list)				
1308.		Sept. 21, 1958. Sheffield Lake,Ohio (at 41.48° N, 82.12°	5+ mins	2	2+ to 16	
1300.		W). 3 a.m. (EDT). Mrs. William H. Fitzgerald inside her		-	2 10 10	
		house, and at the end 10-year-old stepson John, saw				
		through her East-facing bedroom window a circular,				
		aluminum color flat object, 12 ft diameter [investigator				
		determined 22 ft estimate], 6 ft thick, about 10 ft away,				
		sweep in about 8 ft high over front lawn headed N				
		descending in a falling-leaf oscillating motion side-to-side				
		to about 6 ft altitude, cross over her E-W driveway, stop				
		for several secs about 50 ft [40 ft] away [to the NNE], then				
		reverse course headed S over the driveway back over the				
		front lawn, then hover 5 ft above the lawn about 25 ft				
		away, making a jetlike sound. Object wobbled and				
		emitted gray smoke, made two tight clockwise turns				
		before rising and taking off, straight up over the house				
		[high up towards the E]. (Sparks; Vallée Magonia 471;				
		BB files)				
1309.		Sept. 23, 1958. Kindley AFB, Bermuda. (Sparks;				
		McDonald list)				
1310.	6089	Oct. 2, 1958. Stroudsburg, Penna. 2:30 p.m. Naturalist	15 secs	1		biologist
		Ivan Sanderson saw a dull-grey object, shaped like a				Ivan
		pickle with a flat bottom, fly erratically in loops. (Sparks;				Sanderson
1 1		Berliner)	1			

Assistant for Research & Engineering to the Asst. Secretary of Defense, saw a large stationary sharply outlined Saturn-shaped "silvery" or "aluminum clad" oblate spherical object (with "gossamer") surface appearance) with a rim or girdle around its equator in clear sky due S azimuth about 180" at about 20" elevation for about 10 sees, which started rapidly rising at an estimated speed of 1,000 mph and disappeared due to extreme distance at about 30" of 35" elevation still due S after 40 sees, with the impression it was heading away from him to the S growing smaller until unable to be seen [apparently increased distance to at least 400 miles to drop below minimum visual resolution, at about 36,000 mph average velocity at 80 g's acceleration to an altitude of about 200 miles, terminal velocity about 72,000 mph]. Witness estimated angular size 3" and actual size 600 ft at distance 3 nautical miles, using the passing and turning Capitol Airlines Flight 407 at 2 miles distance during the sighting as aerial distance reference point. Townsend was familiar with standard takeoff pattern of flights from Washington National Airport and said that the airliner he saw during the sighting headed S on a track about 1 mile to his left (along the Potomac River) and then turned right across his field of view of the object. Pilot of Capitol Flight 407 took off in a DC-4 at 5.59 p.m. (EDT) from Washington National heading S and climbed to 2,000 ft and as he was turning right to a W heading out of the traffic pattern [at about 6.62 p.m.] hes saw an "unidentified aircraft" with "nose light" at about 3,000 ft heading N, seen in the direction of or over Beacon Field 3 miles to the W (at about airmuth 265" so object was in the glare of the setting sun at approximately elevation 7" azimuth 258" and may have been reflecting the sunlights to as to appear to have a "nose light"). Thus sighting lines crossed with Townsend at right angles, establishing distance and location of object by triangulation as 2 miles S of Townsend at about 3,000 ft	1311.	Oct 7 1059 Alayandria Virginia (ct 20047 0'N 770 2 6'	50 gaag	2	6	highagt
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Aldrich; Loren Gross Oct. 1958 pp. 22-24, 26)						

1312.		Oct. 11, 1958. W of Holloman AFB, NM. 1:22:44.0 a.m.	28.0 secs		radar (IFO)
1312.		(CST). Special AF intelligence radar FPS-17 (XW-2)	20.0 3003		radar (11 O)
		designed for overseas service undergoing testing at			
		Laredo, Texas, detected an unusual meteor (IFO) tracked			
		at roughly ~105,000 mph, height 64 NM (73 stat. miles),			
		for 0.75 sec increasing range from about 454 to 473 NM			
		(±2 NM relative accuracy, ±5 NM absolute) at elevation			
		angle $4.0^{\circ\circ} \pm 0.5^{\circ}$ azimuth $313.0^{\circ} \pm 0.5^{\circ}$ on Radar Misson			
		164. Slow-moving ~800 mph meteor train left behind by			
		meteor persisted for succeeding 27.3 secs. Meteor			
		apparently on ~300° (WNW) heading at descent angle			
		~20°, velocity ~125,000 mph, about 6 NM WNW of			
		Holloman AFB passed through radar beams descending			
		from ~68 to ~60 NM height from radiant approximately			
		5.3 hrs RA -13° Declination, within ~10° of Orionid shower radiant. (Sparks; McDonald list; NICAP; BB			
		files)			
1313.		Oct. 17, 1958. Grand Rapids, Mich. (Sparks; Hynek	25 secs		
1313.		UFO Rpt p. 44)	23 3003		
1314.	6148	Oct. 26, 1958. Loch Raven Dam, Maryland. 10:30 p.m.	1-2 mins	2	EM
		(EST). Phillip Small and Alvin Cohen saw a large, flat			
		egg-shaped object, flying low about 100-150 ft above the			
		bridge, which affected their car's electrical system and			
		caused a burning sensation, rose vertically and disappeared			
		in 5-10 secs. (Hynek UFO Exp ch. 9, case CEII-4;			
		NICAP; BB Microfilm Roll)			
1315.		Oct. 27, 1958. Union Dale, Penna. Large gray cigar-like			
		object with an assembly tail flew at treetop height, making			
1316.		a strong "swishing" sound. (Sparks; Vallée Magonia 472)	5 mins +	1	
1310.		Oct. 31, 1958. Caledon East, Ontario, Canada. 3:50 p.m. Civilian saw an elliptical, aluminum-colored object at	3 IIIIIS T	1	
		6,000 ft altitude, coming down to 12 ft, flying up and			
		down by sudden jumps, stopping at ground level less than			
		600 ft away for 5 mins. A red light appeared at one end of			
		the object, which gradually took a fiery color, then			
		exploded. Witness ran away. (Sparks; Vallée Magonia			
		473)			
1317.	6153	Nov. 3, 1958. Minot [AFB?], North Dakota. 2:01 p.m.	1 min	1	
		[USAF?] Medic M/Sgt. William R. Butler saw a bright			
		green object, shaped like a dime coin, and one smaller,			
		silver round object. First object exploded, then second			
		object moved toward the location of the first at high speed.			
1318.		(Sparks; Berliner) Nov. 4, 1958. Pope AFB, North Carolina. 4:03 [9:03?]	20+ mins	4+?	binoculars
1310.		p.m. (EST). USAF pilot of a landing KB-50 tanker and	20 1 1111115	¬' '	omoculais
		USAF tower personnel saw an object with strange lights			
		on collision course. Pilot and crew also noticed that			
		"strange lights" were observed inside the cockpit. Pilot			
		aborted landing, climbed and flew around to observe			
		object. Pope AFB tower personnel had watched object			
		hovering above the base through binoculars for 20 mins.			
		(Sparks; NARCAP)			
1319.		Nov. 8, 1958. Brazilia, Brazil. 2 p.m. (EST). Brazilian		500	
		[?] Air Force pilot and 500 ground observers saw a			
1000		moving saucer at 40,000 ft. (Sparks; Project 1947)			
1320.		Nov. 13, 1958. Troy Peak and Tonopah Airport, Nevada.			
		(Sparks; McDonald list)	1		

1321.	Nov. 19, 1958. Montauk AFB, New York. (Sparks;			
	McDonald list)			
1322.	Nov. 20, 1958. W of Calif. coast. 6:15 a.m. (PST).		1?	
	Military pilot saw a round silver object traveling at high			
	speed and high altitude. (Sparks; Project 1947)			
1323.	Jan. 4-5, 1959. Taft, Calif. 11:30 p.m. (PST). Pilots of		2?	
	TWA C-54 and TWA Constellation saw a silver oval			
	object with silver trail flying at 20,000 ft and 10 miles			
	from aircraft [?]. (Sparks; Project 1947)			
1324.	Feb. 2, 1959. Near Sandusky, Ohio. University of			professor
	Michigan professor and his wife driving on the Ohio			
	Turnpike saw a yellow half-sphere in the sky. (Sparks;			
	Willy Smith pp. 92-93)			
1325.	Feb. 16, 1959. Benghazi, Libya. 9:30 p.m. British	15 mins	1	
	military man saw a silvery blue to reddish to dark round			
	object with dome, sharply outlined, with vents of green			
	light, varying brightness, varying speed from hovering to			
	very fast, suddenly disappeared. (Sparks; CUFOS re-			
	eval.; Jan Aldrich)			

1326.	Eab 24 1050 Central Danna 9:20 0:20 n m (EST) At	60 mins	monti	1	rool time
1320.	Feb. 24, 1959. Central Penna. 8:30-9:30 p.m. (EST). At	60 mins	many	1	real-time
	8:40 p.m. control tower operators at Greater Pittsburgh,	total			triangulatio
	Penn., Airport, sighted 3 lights. At about 8:30 p.m. United				n
	Flight 937, at 14,000 ft, heading W, Flight Engr Lowell E.				
	Baney sighted 3 bluish-white lights. At 8:40 p.m. pilot				
	Capt Alvin D. Yates sighted 3 lights off left wing (S)				
	moving parallel to airliner about 5° elevation, while near				
	Lock Haven, Penn. Continued to watch, with co-pilot				
	Frank A. Grona, the 3 lights until over Youngstown, Ohio,				
	when they appeared to move closer. Near Warren, Ohio,				
	while descending to land at Akron-Canton, Ohio, Airport,				
	the 3 lights veered to the right crossing in front of airliner				
	and disappeared in the NW. Sighting at 8:45 p.m. at				
	41°18'N, 77°15'W (about 13 miles WNW of				
	Williamsport, Penn.), American Airlines Flight 139 pilot				
	Capt. Peter W. Killian and First Officer James John Dee,				
	stewardesses Mrs Edna LeGate and Beverly Pingree, and				
	35 passengers of DC-6B airliner including N. D. Puscas,				
	gen mfg mgr of Curtiss Wright Aircraft, on a DC-6B				
	airliner flying at 250 knots IAS [deducting headwind, true				
	ground speed ~310 mph] at 8,500 ft [~9500 ft AGL] direct				
	non-stop from Newark to Detroit heading 285° True. Capt				
	Killian and crew saw 3 lights changing relative position,				
	separation and color (yellow-orange to brilliant blue-				
	white) at the 9 o'clock position to the SSW at 15° elevation				
	[sometimes level at $\sim 0^{\circ}$?] occasionally moving to 11 or				
	11:30 o'clock and back to 9 o'clock at speeds up to 2,000				
	mph (based on Killian's contact with another airliner that				
	saw the object 2 mins later at 70 miles displacement).				
	Brightness about that of Sirius or mag. –1 at maximum,				
	dimming to about mag. +3. Capt Killian radioed another				
	pilot to take simultaneous bearings to triangulate objects at				
	about 20-25 miles from Killian. Capt Killian lost sight				
	after descending over Lake Erie through haze to land at				
	Detroit and had American Airlines radio a CIRVIS report.				
	5 other airliners reported seeing the 3 lights, including 2				
	United Airlines flights 937 and 321, and 2 other American				
	flights notified by Capt Killian by radio in-flight when				
	Killian was near Erie, Penn. One American flight at				
	Dolphin check point 42°25'N, 81°32'W over Lake Erie				
	heading E, sighted the objects S over direction of				
	Cleveland; the other American flight 20 miles NE of				
	Sandusky, Ohio, heading E to Pittsburgh, sighted the				
	objects a little left [?] of heading, at about 130° azimuth				
	[sighting lines converging to triangulate over Cleveland				
	area about 40 miles from Killian]. Also seen by an AF				
	transport plane flying from Washington, DC, to Dayton				
	(report suppressed by BB from its fles). Also seen by 8				
	people in Akron at 9:15 p.m. (Sparks; BB files; CUFOS				
	tape index cards; Willy Smith pp. 85-96)				
	tape much carus, withy simul pp. 63-90)]	1	<u> </u>

1327.	Feb. 24, 1959. Victorville, Calif. 10:00-10:15 p.m.	5 x 20	2	40	EM
1327.	Intense white light lit up bedroom, dogs barked as if	secs		40	LIVI
	terrified, witness sighted to the W at about 20° elevation a	Secs			
	, ,				
	biconvex dull red object about 25 ft wide with a blunt tear-				
	drop profile approaching rapidly within 10 secs lowering				
	height to about 8-10 ft passing about 80 ft away N of				
	house and veering slightly to NE disappearing from				
	behind; 5 mins later reappeared to W and made a similar				
	pass and at similar intervals 3 more W-NE passes. Object				
	made high-pitched transformer hum, radio static noted.				
	(Sparks; Hynek UFO Rpt pp. 167-170)				
1328.	March 10, 1959. Grand Bahama Island, West Indies.	25 mins	5 ?		radar
	4:00-4:25 a.m. (EST). USAF FPS-8 missile tracking radar				
	at Grand Bahama Auxiliary AFB picked up maneuvering				
	object 50-70 miles to SSE on course of 145° which made 2				
	wide circles at 200-300 knots then a figure-8. Object went				
	on an intercept course of 60° to follow a subsonic [600				
	mph] Snark intercontinental cruise missile launched from				
	1 1				
	Patrick AFB, Florida, along the Atlantic Missile Range,				
	with missile passing object at about 4:18 a.m. Both				
	missile and UFO detected on radar scope simultaneously.				
	Missile disappeared to SSE while object gradually				
	disappeared at 60° [ENE ?]. All military and civilian				
	agencies were checked for aircraft and none were in the				
	area. (Sparks; BB files; McDonald list)				
1329.	March 12, 1959. Duluth-Finland, Minn. (Sparks;				
	McDonald list)				
1330.	March 13, 1959. Duluth, Minn. 6:20 p.m. (CST).	15 mins	many		
	Military aircraft crews, 2 F-94's, 2 B-52's, and 2 F-102's,	?			
	saw an object with orange, red, white, green lights, the red				
	lights rotating on the bottom. B-52 pilot "certain" the				
	visual was a planet probably Venus [which was low on				
	horizon from 31,000 ft]. Ground radar tracking by 707th				
	AC&W Sq, Grand Rapids AFS, Minn., and 756th				
	ACWRON Sq, with scope photos taken for RAND project.				
	F-94C and F-102A detected ECM radar transmissions.				
	Complex case of 300+ pages poorly investigated by BB				
	(see also March 12, 1959, case above). (Sparks; NICAP				
1221	website; Project 1947; McDonald list)				
1331.	March 14, 1959. Ellsworth AFB, South Dakota. (Sparks;				
1222	McDonald list)				
1332.	March 22, 1959. Ann Arbor, Mich. (Sparks; McDonald				
	list)				
1333.	March 23, 1959. Bismarck, ND. USAF radar-visual of 4				RV
	objects, photo of 7 objects. ?? (CUFOS?)				

1224	1	M 105 1050 CC 1 / 1 NA / 726	(5)		1	DIINT
1334.		March 25, 1959. S Saskatchewan-N Montana. 7:36 p.m.	65+ mins	many		ELI NT
		(MST). B-52, call sign "Outcome 15," from 92nd Bomb Wing, Fairchild AFB, Wash., was on a SAC Emergency				RV case
		War Order exercise, Operation HEAD START II, for				
		continuous airborne alert carrying fully-armed				
		thermonuclear bombs, initially flown into Canada. At				
		7:36 p.m. at about 52°N, 118°W (near Swift Current,				
		Sask.) while B-52 headed 180° Mag (SSW True) at 32,000				
		ft traveling 375 knots (432 mph) tail gunner Tech Sgt Joe				
		Cobb sighted an object leaving a strange, non-persistent				
		and intermittent contrail at 2 o'clock position (to the W)				
		and headed N. At 7:41 p.m., Cobb detected a target				
		trailing the B-52 at 8,000 yds (about 5 miles) range on his				
		MB-9 airborne radar. B-52 Electronic Warfare Officer				
		1st Lt. Robert J. Millard detected on APS-54 Radar				
		Warning Receiver an X-band radar emission at 9135 MHz				
		from unidentified object tailing the B-52, then also				
		detected same signal on APR-9 ELINT Radar Receiver,				
		for 20 mins; sweep rate 1 per second, radio frequency oscillating around 9135 MHz. Shortly after, the B-52				
		radar officer Capt. Feirran detected UFO on MB-9				
		airborne radar showing it trailing behind at a range of				
		about 11,000 to 15,000 yds (about 6-8 miles). B-52 pilot				
		Capt John W. Jackson radioed 1/Lt Ronald S. Murray,				
		Senior Director on duty, ADC GCI radar site (47°31'N,				
		111°10'W) 801st AC&W Sq, Malmstrom AFB, Great				
		Falls, Mont., that UFO had entered Air Defense				
		Identification Zone by following B-52 into U.S. territory				
		and ADC scrambled F-89J fighter intrerceptor call sign				
		Board Pipe 27, pilot 1/Lt Austin E. Bond, Radar Observer				
		1/Lt Charles C. Abernathy, 29th FIS Sq, Malmstrom AFB,				
		Mont. UFO had red and green bright flashing lights about				
		30-40 ft apart with a steady white light in between and somewhat to the rear, thus suggesting delta or swept-wing				
		aircraft about the size of a B-57 bomber (~100 ft),				
		described as "relatively high performance," speed in				
		excess of Mach 0.8 (530 mph), altitude above 53,000 ft,				
		with a "considerable acceleration capability." UFO lost by				
		F-89J at 8:42 p.m. when it climbed beyond reach of				
		pursuing F-89J at 49°50'N [50°20'N ?], 113°00'W. B-52				
		EWO Lt. Millard regained UFO radar signal at 8:36 p.m.				
		for 5 mins but at 9130 MHz; noted pulse repetition				
		frequency (PRF) of 2,500 Hz [indicative of radar set to				
		range of 37 mi]. ELINT Radar-Visual with F-89 intercept				
		of radar-emitting UFO tailing B-52. (Sparks; BB NARS				
1225	6217	microfilm; McDonald list)	2 min =	1		
1335.	6317	March 26 or 27, 1959. Corsica, Penna. 12:45 p.m. T. E. Clark saw a dark red, barrel-shaped object, 20 ft long, 6-7	3 mins	1		
		ft high, descend below some trees. (Sparks; Berliner)				
1336.		April 13, 1959. Antigo & Madison, Wisc. (Sparks;				
1330.		McDonald list)				
1337.		May 2, 1959. Pease AFB, New Hampshire. (Sparks;				
		McDonald list)				
1338.		May 13, 1959. Offutt AFB, Omaha, Nebraska. (Sparks;				
		McDonald list)				
1339.		May 14, 1959. Philadelphia, Penna. (Sparks; McDonald				
		list)				

1340.		May 18, 1959. Greenbush, Kansas. (Sparks; McDonald list)			
1341.		May 21, 1959. 8 miles E of Rapid City, South Dakota. (Sparks; McDonald list)			
1342.		June 3, 1959. Genoa, Italy. (Sparks; McDonald list)			
1343.		June 9, 1959. Manassas-Roanoke, Virginia. (Sparks; McDonald list)			
1344.		June 16, 1959. SE of Meridian, Mississippi. (Sparks; McDonald list)			
1345.		June 18, 1959. Pacific bet. Hawaii and Calif. (at 33° 5' N, 134° W). (Sparks; McDonald list)			
1346.		June 18, 1959. Forest Park, Illinois. (Sparks; McDonald list)			
1347.		June 18, 1959. Stephenson-Sault Ste. Marie, Mich. (Sparks; McDonald list)			
1348.		June 18, 1959. Enon, Ohio. (Sparks; McDonald list)			
1349.		June 18, 1959. Lyons, Colo. (Sparks; McDonald list)			
1350.	6400	June 18, 1959. Edmonton, Alberta, Canada. 9:30 p.m. A. Cavelli and R. Blessin, using 7x binoculars, saw a brown, cigar-shaped object come from below the horizon (close to the witnesses) ascending to 40°-50° above the horizon. (Sparks; Berliner)	4 mins	2	binoculars

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1351.	June 22, 1959. South China Sea S of Macao, China (at 21° N, 113°12′ E). 6:23 a.m. ELINT operator 4 aboard RB-66C recon mission detected "strange" pulsed signals on ELINT APS-63 (and APR-5) and called attention to the location about 1 o'clock position 60 NM away, based on 6 ELINT "cuts" (direction-finder or D-F bearings that intersected) triangulated as coming from a 3-beam [or 3-lobed] radar signal. At 6:46 [6:40°] a.m. USAF pilot Maj. Noble J. McSwain, Operations Ofcr of 11th Tactical Recon Squadron, Yosuka AB, Japan, and gunner of RB-66C (serial no. 55-389; mission FJ-056 of 67th Tactical Recon Wing) at 34,000 ft initially headed 035° then turned to 127° [to intercept UFO's? at about 6:32 a.m.], at 430 kts TAS, saw 4 pairs dark round or spherical objects of uniform size (total of 8), spaced over 50-miles area and 15 NM between each pair, aligned parallel to the aircraft flight path, each pair about 600-900 ft apart and in echelon formation, heading 215° (about SW) at about 15 kts (17 mph) [?] and appearing to be 200-500 ft above water surface, casting shadows on the water roughly 3 object diameters from objects [sun at about 12° to 14° elevation, azimuth 69° to 70°, from 6:46 to 6:52 a.m. contrary to mistaken BB calculation of 6° elevation] indicating objects were airborne. Objects about 100-200 ft diameter looking like an EW (electronic warfare) or a ground radar radome. One pair of UFO's moved together as RB-66 approached. Round shape did not change when RB-66 passed directly over objects. A single surface ship was sighted approx. 3-5 NM off each end of line of objects. ELINT continued to detect the same weak radar signals at same intensity for 250 NM (about 35 mins) after visual sighting ended. Roll of KD-2 negative film showing ELINT scopes, included frame 8180 at 7:45:02 [6:45:02?] a.m. which showed the radar signal emanating from area of objects (contrary to Pacific AF which claimed radar was commercial radar unconnected to UFO's). BB suggested preposterous explanations of "submarine" objects, fishing b	ca. 64 mins (radar signals); 6 mins (visual)	3+	1/3 to 2/3	UFO emitting radio/radar signal on ELINT with D-F triangulatio n; ELINT scope photos
	list)				

	1	T =				1
1353.		June 26, 1959. Boianai Mission, Papua New Guinea	2 hrs 11	39	5	
		(10.02° S, 149.71° E). 6:45-7:20, 8:28-9:10, 9:20-9:30,	mins			
		9:46-10:10, 10:30-10:50 p.m. Father William Gill plus 38				
		others. Platform shaped object with "men" on top				
		appeared in the sky above Venus (which was to the W at				
		297° azimuth, 32° elevation initially, but set before 9:06				
		p.m. below the mountains), with electric blue spotlight,				
		about 500 ft away at 300-400 ft height (object shined light				
		on broken cloud cover at 2,000 ft altitude known from				
		nearby mountains). Men and spotlight disappear at 7:20				
		and object disappears into clouds, reappears at 8:28				
		without "men" or spotlight but joined by 2rd, 3rd and 4th				
		objects at 8:29, 8:35 and 8:35-50, coming and going				
		through clouds. Main "mother ship" "large, clear,				
		stationary," gives red light and disappears overhead into				
		cloud at 9:10, reappears at 9:20, moves across sea to Giwa				
		[to the NE?] appearing white-red-blue disappears at 9:30.				
		Overhead objects reappears 9:46, hovering, disappears				
		behind cloud 10:10, reappears in gap between clouds				
		10:30, gone at 10:50. [Further sightings June 27 and 28,				
10.51		1959]. (Sparks; Hynek UFO Rpt pp. 216-223, etc.)				
1354.		June 27, 1959. Dunville, Virginia. (Sparks; McDonald				
		list)				
1355.		June 27, 1959. Boianai Mission, Papua New Guinea	28 mins	many	20 ?	
		(10.02° S, 149.71° E). 6:02-6:30 p.m. Object returned		?		
		from previous night with 2 others, one to the W and one				
		overhead. Father William Gill and another waved their				
		arms and "men" on the main object waved back; to the				
		waving of a torch the object moved back-and-forth				
		laterally. [Other sightings June 26 and 28, 1959.]				
		(Sparks; Hynek UFO Rpt pp. 216-223, etc.)				
1356.		June 28, 1959. Boianai Mission, Papua New Guinea	4 hrs 15			
1330.						
		(10.02° S, 149.71° E). 6:45-11 p.m. Father William Gill	mins			
		[and others?] saw up to 8 lights at varying heights. [Prior				
		sightings June 26 and 27, 1959.] (Sparks; Hynek UFO				
		Rpt pp. 216-223, etc.)				
1357.	6409	June 30, 1959. Patuxent River NAS, Maryland. 8:23 p.m.	20-30	1		
		USN Cdr. D. Connolly saw a metallic gold, oblate-shaped	secs			
		object, major/minor axis ratio 9:1, with sharp edges, fly				
		straight and level. (Sparks; Berliner)				
1358.		July 3, 1959. Needles, Calif. (Sparks; McDonald list)				
1359.		July 4, 1959. South China Sea S of Macao, China (at		2?		
1557.		20°38' N, 112°35' E). 7:43 a.m. USAF pilot and gunner				
		of RB-66 saw a group of 18 cream-colored oval objects				
1260		flying at 36,000 ft. (Sparks; Project 1947; BB files??)		20		
1360.		July 5, 1959. South China Sea S of Macao, China (at		2?		
		20°38' N, 112°35' E). 7:18 a.m. USAF pilot and gunner				
		of RB-66 saw 5 oval objects flying at 36,000 ft. (Sparks;				
1		Project 1947; BB files??)				

1271		I-1-0 1050 I 0 D 1 0 0 0 0 15 (FGE)	0 .	7.1	1	1
1361.		July 9, 1959. Jamaica & Bahamas. 8:06-8:15 p.m. (EST).	9 mins	6+		
		Trans Canada pilot Capt F. F. Beckett and First Officer J.				
		Bosma at Ocho Rios, Jamaica (at 18.4° N, 77.1° W), hotel				
		manager (?) W. B. Street, and others at Falconbridge				
		Hotel, Ocho Rios, Jamaica, first spotted by Bosma and				
		Street at 8:06 then called to Beckett's attention at 8:07,				
		when it was at about 5° azimuth and 25°-30° elevation.				
		Beckett's drawing shows object's flight path dipping down				
		to about 20° then rising up to disappear at about azimuth				
		30°-40° elevation 25°-30°. Oval translucent haze or shape				
		appeared around central object. Possibly object was				
		Jupiter IRBM launched from Cape Canaveral at 8:01 p.m.				
		EST. Beckett's and other witnesses' timing put sighting				
		after Jupiter IRBM rocket engines and nose cone				
		separation would have shut down or ended at about 8:04				
		p.m. Jupiter missile would not have been visible through				
		the vented propellant cloud given the already extreme				
		dimness. Jupiter rocket body 45 ft long would have barely				
		been visible at \sim 620 to 700+ miles slant range distance				
		(when first seen mag. +3 to +5 depending on calculation				
		but if obscured by the vent cloud then totally invisible) and				
		the separated 15 ft nose cone not at all (mag. +5 or dimmer				
		if not seen through vent cloud). Beckett estimated stellar				
		magnitude of object as "much brighter" than +2nd				
		magnitude, comparable to a planet, or to aircraft landing				
		light at 20 miles (about mag. –1). (Sparks; BB files;				
		McDonald list; Ted Molczan; Printy)				
1362.		July 11, 1959. N Pacific, 1000 mi E of Hawaii. 6:02 a.m.	10-15	10+		
		(1302Z / GMT / UT). Pan Am Flight C947 Boeing DC-	secs			
		7C Stratocruiser pilot Capt. George Wilson, copilot				
		Richard Lorenzen, and Flt Engr (at 28°25'N, 144°30W) at				
		20,000 ft saw in the SW, slightly higher than flight level				
		possibly by 1,000 ft, a large bright white light heading				
		towards them, followed by 4 smaller lights on the left,				
		moving constantly at high speed made 180° path change				
		(reversed course?) then 90° right turn, disappeared in the				
		S. Other sightings by other Pan Am Flight C942, Slick				
		Airways Flight 719/11, Canadian Pacific, Empress Flight				
		323-11, United Airlines Flight 21 (DC-6B) flight crews.				
		Possible IFO meteor fireball except for unexplained 90°				
		turn. (Sparks; Project 1947; McDonald list; Menzel				
		1963; BB files)				
1363.		July 14, 1959. New Delhi, India. (Sparks; McDonald				
1505.		list)				
1364.	6446	July 25, 1959. Irondequoit, New York. 1 p.m. Technical	5-10 secs	1		
1304.	0-40	illustrator W. D. Neva saw a thin, crescent moon-shaped	3-10 8008	1		
		object, with a small white dome in the center, fly at				
		tremendous speed. (Sparks; Berliner)				
1265						
1365.		July 28, 1959. Corpus Christi, Texas. (Sparks;				
1266		McDonald list)				
1366.		July 28, 1959. E of Florida. (Sparks; McDonald list)				
1367.		Aug. 2, 1959. Washington, D.C. (Sparks; McDonald list)				
1368.		Aug. 3, 1959. Silver Springs, Maryland. (Sparks;				
1260	6462	McDonald list)	25	1		
1369.	6462	Aug. 10, 1959. Goose AFB, Labrador, Canada. 1:28 a.m.	25 mins	1		
		RCAF pilot Flt. Lt. M. S. Mowat, on ground, saw a large				
		star-like light cross 53° of sky. (Sparks; Berliner)				

1370.		Aug. 12, 1050. Dat. Dogwall and Carona New Maying (at		1	4	EM
13/0.		Aug. 13, 1959. Bet. Roswell and Corona, New Mexico (at		1	4	ElVI
		33°52' N, 105° 6' W). Jack H. Goldsberry, former USN				
		PBY, flying Cessna 170 from Hobbs to Albuquerque,				
		N.M., at 8,000 feet, noticed halfway between Roswell and				
		Corona, that his Magnesyn electric compass suddenly				
		moved around a slow 360° rotation in about 4-5 secs, and				
		his other standard magnetic compass was spinning wildly.				
		About this time, he saw 3 small gray slightly fuzzy				
		elliptical objects in close echelon formation passing in				
		front from left to right and around his plane at a distance				
		about 450 to 600 ft and a speed of about 200 mph.				
		Magnesyn compass followed the objects' position as they				
		circled the plane, and after one full circle they disappeared				
		to the rear, then both compasses settled back to normal.				
		CAA controller at Albuquerque canceled his flight plan				
		and ordered him to land at Kirtland AFB, where he was				
		interrogated by a USAF major. (Sparks; NARCAP-				
1051		NICAP-McDonald; BB files??)				
1371.		Aug. 14, 1959. NE of Hawaii (at 37° N, 142°45' W). 7:53		1		
		p.m. (AHDT). Military pilot saw a very bright white light				
		change color to red as it moved into [?] the sunlight.				
1070		(Sparks; Project 1947)				
1372.		Aug. 16, 1959. Macon and Forsyth, Georgia. (Sparks;				
1373.		McDonald list)	1	2		no don IEE
13/3.		Aug. 19, 1959. 80 miles E of Otis AFB, Mass. [or E of	1 min	3		radar IFF
		Wash. DC?]. 3:37, 3:42, 3:44, 3:45, 3:46, 3:52, 3:57 p.m.	each			
		(EST). 691st Airborne Early Warning & Control Sq RC-				
		121 at 6,000 ft heading 55° 185 knots. Detected single				
		high speed targets 3,000 to 7,800 mph on APS-20 S-band				
		radar except 2 that were in trail. Blips on various headings				
		of 360°, 180°, 290°, and final 2 were together in trail on 60° heading but made 60° turn to 360° (0°). BB				
		conclusion of "Possible IFF interference" is nonsense, as				
		IFF cannot possibly have "interference" as if it was merely				
		a radar. IFF transponders send signals on one frequency				
		that trigger a timed and coded message signal in response				
		at a different frequency. (Sparks; McDonald list; Vallée				
		Challenge to Science; BB files)				
1374.		Aug. 19, 1959. Elburn, Illinois. 9:30 p.m. (CDT). Airline		1		
13/4.		pilot saw a string of 3-4 white lights seemingly part of one		1		
		object. (Sparks; Project 1947)				
1375.		Aug. 28, 1959. Charlotte Island, Canada. (Sparks;				
1373.		McDonald list)				
1376.		Sept. 5, 1959. Naha, Okinawa. (Sparks; McDonald list)				
1370.		Sept. 7, 1959. Wallingford, Kentucky. Walter Ogden.				
13//.		15-ft burned mark left by object on takeoff. (Sparks;				
		McDonald list; Loren Gross 1959 Supp.)				
1378.		Sept. 10, 1959. Camp Kinser, Okinawa. (Sparks;				
13/6.		McDonald list)				
1379.	6506	Sept. 13, 1959. Gills Rock, Wisc. 1:05 a.m. R. H.	10 mins			
13/7.	0500	Daubner saw a round yellow light, with 8 blue lights	10 1111115			
		within it, and 5 larger red lights, fly very fast vertically				
		while making a pulsating jet noise. (Sparks; Berliner)				
		with making a paisating jet noise. (Sparks, Definier)	<u> </u>	L	L	

1380.	6507	Sept. 13, 1959. Bunker Hill AFB, Indiana. 10 a.m. to 4 [7:30?] p.m. (EST). At least 2 control tower operators and the pilot of a Mooney private airplane, Kenneth Davenport, saw a nearly motionless white, cream and metallic pear-shaped object, with a trail under it. Attempted intercept by USAF T-33 jet trainer failed. Ground radar tracking [?]. Possible General Mills or AF Project ASH CAN Skyhook balloon; Insufficient Data to identify a specific balloon launch. (Sparks; Berliner; Project 1947; Printy)	3 hrs (9- 1/2 hrs?)	4+	radar
1381.		Sept. 15, 1959. Kadena AFB, Okinawa. 7 a.m1 p.m. 3 USAF personnel radar tracked multiple green objects, and sighted 4-5 mins a silvery object tilted downwards visible only when lit by a rotating beacon light and which moved slowly on a straight path in the direction of the winds. (Sparks; CUFOS re-eval.; Jan Aldrich)	6 hrs ?	3	RV

1382.		Sept. 24, 1959. Near Redmond, Oregon. About 4:00 a.m. (PST). Redmond Police officer Robert Dickerson saw a strange bright light [white ball-shaped?] rapidly descending [10 miles?] north of the airport then stopped and hovered several hundred [200?] feet above ground for several mins where it lit up the juniper trees below. He drove toward it on the Prineville Hwy then turned toward the airport, when the object turned orange [reddishorange?] and moved rapidly to [dive and hover?] about 10 miles NE of the airport at about 3,000 ft height above ground [Redmond is at 3,000 ft elevation MSL]. Dickerson arrived at the airport to report sighting in person at ca. 4:10 a.m. at Redmond FAA Air Traffic Communication Station. FAA Flight Service Specialist Laverne Wertz, Dickerson (and others?) viewed object through 7x50 binoculars outdoors. FAA Redmond station (Wertz) reported UFO to FAA Seattle Air Route Control Center at ca. 4:30 a.m., after the UFO "relocated" to 10 mi NE of airport. ARTC in turn reported it to 28th Air Division ADC, Hamilton AFB, Calif., at 4:32 and 25th Air Division ADC, McChord AFB, Seattle, at 4:44 a.m. Mt Hebo AFS radar site, Keno AFS radar site and 25th Air	> 2 hrs 15 mins	many	RV multiple air and ground radars?
		Communication Station. FAA Flight Service Specialist Laverne Wertz, Dickerson (and others?) viewed object through 7x50 binoculars outdoors. FAA Redmond station (Wertz) reported UFO to FAA Seattle Air Route Control Center at ca. 4:30 a.m., after the UFO "relocated" to 10 mi NE of airport. ARTC in turn reported it to 28th Air Division ADC, Hamilton AFB, Calif., at 4:32 and 25th Air Division ADC, McChord AFB, Seattle, at 4:44 a.m. Mt			
		Division ADC scrambled various aircraft over the next 9 hours, including vectoring a B-47, scrambling 6 F-102 jets and an F-89 jet from Portland, and 2 helicopters to intercept UFO or locate it on the ground at Newberry Volcanic Crater. FAA station observers saw object hover and emit long tongues of red, yellow and green light which extended and retracted at irregular intervals. As F-102's approached the object from the SE [?] at 5:19 a.m. it			
		turned into mushroom shape, emitted red and yellow flames from lower side and ascended rapidly, disappearing in 2 to 3-1/2 mins above scattered clouds at about 14,000 ft [altitude? height?]. [Object's departure forced one F-102 to swerve to avoid collision, another nearly lost control from UFO's turbulent wake; tracked on F-102 airborne radars but jets unable to intercept.] Object			
		reappeared about 20 miles S of Redmond at about 25,000 ft at about 5:25 am. Seattle Center reported at 6:20 a.m. radar contact with object about 25 miles S of Redmond at 52,000 ft was made by USAF ADC radar site at Keno AFS, near Klamath Falls, Ore., which tracked a large 300-400 ft [?] target and vectored B-47 and F-89 aircraft to identify. Redmond FAA controllers lost sight of object. Seattle FAA reported at 7:11 a.m. that Klamath Falls radar still tracked object at 25 miles S of Redmond but varying altitude from 6,000 to 52,000 ft. (Sparks; Fran			
1383.	6534	Ridge/NICAP) Oct. 1 [or 3rd or 4th week?], 1959. Telephone Ridge, Oregon. 9:15 p.m. Department store manager C. A. Cissman saw a bright light approach, hover about 30 mins, then take off and disappear in 2 secs. (Sparks; Berliner)	30 mins	1	
1384.		Oct. 2, 1959. 12:40 a.m. (PST). Seattle, Wash. Army artillery radar site radar-visual. (Sparks; McDonald list)	3 hrs		RV?
1385.	6538	Oct. 4, 1959. Quezon, Philippines. 9:25 p.m. USN Lt. C. H. Pogson and CPO K. J. Moore saw a large round or oval object, changing from red to red-orange, fly straight and level. (Sparks; Berliner)	15 mins	2	

1386.	6543	Oct. 6, 1959. Lincoln, Nebraska. 8:15 p.m. Selective Service Lt. Col. L. Liggett and wife saw a round, white- yellow light make several abrupt turns at high speed. (Sparks; Berliner)	2 mins	2	
1387.		Oct. 12, 1959. Washington, Georgia. (Sparks; McDonald list)			
1388.		Oct. 19, 1959. N of Langley AFB, Virginia. (Sparks; McDonald list)			
1389.	6563	Oct. 19. 1959. Plainville, Kansas. 9:25 [10:25? EST] p.m. Capt. F. A. Henney, engineering instructor at USAF Academy, flying a T-33 jet trainer, saw a bright yellowish light on collision course with the T-33, the pilot avoided it and the light dimmed. (Sparks; Berliner; Project 1947)	30 secs	1	USAF Academy Engr Prof
1390.		Oct. 21, 1959. Warsaw, New York. (Sparks; McDonald list)			
1391.		Oct. 22-23, 1959. Near Loring AFB, Maine. (Sparks; McDonald list)			
1392.		Oct. 26, 1959. Toccoa, Georgia. (Sparks; McDonald list)			
1393.		Nov. 3, 1959. Utica, New York. 6:55 p.m. (EST). USAF pilot of T-33 with 4039th Strategic Wing saw a round a stationary round yellow-white object move away, disappear, then reappear. (Sparks; Project 1947)		1?	
1394.		Nov. 5, 1959. Montauk AFS, Long Island, New York. (Sparks; McDonald list)			
1395.	6600	Nov. 18, 1959. S of Crystal Springs, Mississippi. 6:25 p.m. J. M. Porter saw a row of red lights fly slow, then accelerate immensely. (Sparks; Berliner)	5-6 mins	1	
1396.		Dec. 18, 1959. S Victoria Island, Canada. (Sparks; McDonald list)			
1397.		Dec. 23, 1959. W of Albuquerque, New Mexico. (Sparks; McDonald list)			
1398.	6663	Feb. 27, 1960. Griffiss AFB, Rome, New York (at 43.23° N, 75.41° W). 6:27 p.m. (EST). Control tower officer Capt. James Huey and 4 other tower operators saw a light trailing a white fan shape move from azimuth 170° elevation 20°, pass in front of [or near?] the star Sirius [at 151° azimuth, 25° elevation], disappear at azimuth 130° [typo correction of 180°] elevation 19°, elevation angles from clinometer readings after sighting. Probable IFO: NASA Echo balloon satellite non-orbital test launch from Wallops Island, Virginia, at 6:20 p.m. (EST). (Sparks; Berliner; Printy)	3-4 mins	5+	

1399.	6667	March 4, 1960. 3 mi S of Dubuque, Iowa (at 42°26' N, 90°42' W). 5:55 [5:57?] p.m. (CST). Pilot instructor Charles R. Morris and wife saw 3 elliptical-shaped objects, about 200 ft long x 60 ft wide about 5 miles away at 25° elevation [≈11,000 ft altitude] estimated at 20,000 [?] ft altitude (another witness, Nesler, estimated 40,000 ft), in the SE headed NNE at about 200 mph, making a slight climb as they disappeared in the NE after covering about 135° of arc in the sky. Morris took 6 ft of 8 mm color film during sighting but it showed no images of the objects. Two witnesses, Ferdinand Nesler and Allan A. Jones, used binoculars and described objects as aircraft in appearance. Jones using 10x50 binoculars said he saw what looked like the tail of a B-52 jet. Insufficient data on possible IFO's (flight of 3 B-52's). [SAC records showed flight of 3 B-52's at 31,000 to 32,000 ft passed about 30 miles E of Dubuque heading 001° True 370 knots (mph?) ground speed about 5:50 p.m. CST. ADC radars and Chicago ADC Air Defense Sector Hq had no records or radar tracks of flight. ATIC rejected SAC's claims of B-52's in the area and called case "Unknown / Unidentified."] (Sparks; Berliner; <i>UFO Evidence</i> ; NICAP <i>UFO Investigator</i> March 1960; BB files; Printy/Taylor)	4 mins	6	1/8	
1400.	6691	March 23, 1960. Indianapolis, Indiana. 3:35 a.m. Mr. and Mrs. E. I. Larsen saw a series of balls, arranged like an "X" with one diagonal line. Note: Little data on the case in the files. (Sparks; Berliner)	3/4 min	2		
1401.	6711	April 12 [18?], 1960. La Camp (Lacamp), Louisiana. 9 p.m. Physical scientist Monroe Arnold saw a fiery-red disc from the S touch the ground about 1,000 ft away with a loud explosion heard by many people, and a flame. It bounced in an E direction for about 1,000 ft then rose again, turned W and disappeared. The ground was scarred in 9 places, and a substance resembling metallic paint was found, analysis inconclusive. (Sparks; Berliner; cf. Vallée Magonia 503)	2-3 secs ?	1		physical scientist
1402.	6721	April 17, 1960. Richards Gebaur AFB (38.8° N, 94.6 W), ~20 mi S of Kansas City, Missouri. 8:29 to 8:31.5 p.m. (CST). USAF Major Jim G. Ford and A. Chapdelaine, Field Rep of LINK, while observing M-42 Great Orion Nebula [at about 15° elevation azimuth 250°] noticed a reddish glowing object with unaided eye and then in a 6-inch Newtonian reflector telescope (1-inch eyepiece 48x magnification), first seen N of Orion's Belt at about 30° elevation [about 250° azimuth or roughly WSW] traveling SW [to the left] at about 2°/min angular velocity, then passed about 1° below Sirius [at 19° elevation 229° azimuth about SW] accelerating to about 1°/sec at last sighting as it then disappeared below horizon [in the SSW?], with no apparent change in size, color or magnitude brightness. Estimated angular size about 5 arcsecs [equivalent of 4 arcmins in 48x telescope]. (Time incorrectly reported by witness as 1429 GMT./8:29 a.m. CST but was apparently 8:29 p.m. CST and also incorrectly converted to GMT. Should be 0229 GMT next day as BB correctly noted on Record Card.) (Sparks; Berliner; CUFOS)	2.5 mins	2	½ (equiv. in 48x telescope	6-inch reflector telescope

1403.	6727	April 25, 1960. Shelby, Montana. 7-10 p.m. Mrs. M.	3 hrs	1		photo
		Clark saw 5 circular objects fly in trail formation, hover,				movie film
		accelerate and make sharp turns. Case file includes other				?
		reports from Mrs. Clark for previous 3 years. (Sparks;				
1404		Berliner)				
1404.		May 7, 1960. Canada, Montana, North Dakota. (Sparks; McDonald list)				
1405.		May 19, 1960. Dillingham, Alaska. Silver-colored round		sever	40	
1405.		object 20-25 ft wide with hanging appendages hovered at		al	40	
		50-100 ft distance at 12 ft altitude, sucked up trash cans				
		and grass, carried them about 300 ft then dropped them.				
		(Sparks; Hynek UFO Rpt pp. 146-9)				
1406.		June 4, 1960. Pacific Ocean. (Sparks; McDonald list)				
1407.		July 14, 1960. 2 miles E of Miho AFB, Japan. 1:03 a.m.		1		
		Military aircraft pilot saw a brilliant pale yellow oblong				
		object with a short trail flying at about 10,000 mph.				
1400	(050	(Sparks; Project 1947)	20	14:		
1408.	6858	July 19, 1960. St. Louis, Missouri. 8:30 p.m. T. L. Ochs	20 mins	multi		
		saw a round, bright red light fly overhead, stop and hover, and then back up. Ochs reported similar sightings on 3		ple?		
		following nights [July 20 and 21 plus ?].				
1409.		Aug. 13-14, 1960. Red Bluff, Calif. 11:50 p.m2:05 a.m.	2 hrs 15	5+	6?	RV
		Officers Charles A. Carson and Stanley B. Scott plus 3	mins			, i
		others observe maneuvering silent red light with 5 white				
		lights to the E descending to 100-200 ft height, reversed				
		course, lifted to 500 ft, hovered, swept ground with red				
		beam, aerial gymnastics, then headed E chased by police				
		car, joined by similar object from S, disappearing in the E.				
1410.	6914	(Sparks; Hynek UFO Rpt pp. 92-94) Aug. 23, 1960. Wichita, Kansas. 3:24 a.m. Boeing	2 mins	1		Boeing
1410.	0914	aeronautical engineer C. A. Komiske saw a dull-orange	Z IIIIIS	1		aeronautica
		round object, with yellow lights coming from what looked				l engr
		like 3 triangular windows at bottom, flying in an arc.				i viigi
		(Sparks; Berliner)				
1411.	6929	Aug. 29, 1960. Crete, Illinois. 4:05 p.m. Farmer Ed	18 secs	1		
		Schneeweis saw a shiny, round, silver object fly straight				
		up at high speed. (Sparks; Berliner)				
1412.	6962	Sept. 10, 1960. Ridgecrest, Calif. 9:50 p.m. Mr. and Mrs.	2 x 1-2	2		film
		M. G. Evans saw 2 light gray glowing objects, saucer or	secs			
		boomerang-shaped, which swished when accelerating [in 2				
1413.		sightings?]. (Sparks; Berliner) Sept. 17, 1960. Kirksville AFS, Missouri. (Sparks;				
1413.		McDonald list)				
1414.		Sept. 19, 1960. Susanville, Calif. (Sparks; McDonald				
1		list)				
1415.		Sept. 20, 1960. Kirksville AFS, Missouri. (Sparks;				
		McDonald list)				
1416.		Sept. 20, 1960. SE of Farmington, New Mexico. (Sparks;				
		McDonald list)				
1417.		Sept. 25, 1960. Midway Isles. (Sparks; McDonald list)				
1418.		Sept. 28, 1960. Kirksville, Missouri. (Sparks; McDonald list)				
1419.	7057	Oct. 5, 1960. Mount Kisco, New York. 7:37 p.m. E. G.	20 secs	1		
1117.	7057	Crossland saw a bright, star-like light move across 120° of	20 3003	1		
		sky. (Sparks; Berliner)				
		sky. (Sparks; Berliner)	<u> </u>			

	т	1	1		
1420.		Nov. 15, 1960. 30 miles from Cressy, Tasmania. 10:40		2?	
		p.m. USAF pilot and navigator of RB-57 saw a spherical			
		75 ft object flying at great speed at 36,000 ft. (Sparks;			
1.401	7122	Project 1947; BB files??)	20.20		2
1421.	7133	Nov. 27, 1960. Chula Vista, Calif. 7:30 p.m. Mr. and	20-30	7	3
		Mrs. L. M. Hart and 5 others saw an orange-red point of	mins		binoculars
		light, with white sparkler-like light moving in and out of it,			
		make huge circles, seen to the S and to N, overhead, then stopped. 3 witnesses had separate binoculars. (Sparks;			
		Hynek UFO Rpt pp. 78-80)			
1422.	7134	Nov. 29, 1960. S of Kyushu, Japan. 6:38 p.m. USAF Lt.	10 mins	2	
1422.	/134	Col. R. L. Blwlin [sp?] and Maj. F. B. Brown, flying a T-	10 1111115	2	
		33 jet trainer, saw a white light slow and parallel the			
		course of the T-33. (Sparks; Berliner)			
1423.		Jan. 10, 1961. Atlantic bet. Cuba and Haiti (at 19°48' N,			
1423.		73°40' W). (Sparks; McDonald list)			
1424.		Jan. 10, 1961. Wichita Falls, Kansas. (Sparks;			
1 .2		McDonald list)			
1425.		Feb. 16, 1961. Atlantic N of Bermuda (at 36°35' N, 67°45'			
		W). (Sparks; McDonald list)			
1426.		Feb. 23, 1961. Misawa AFB, Japan. (Sparks; McDonald			
		list)			
1427.		Feb. 26, 1961. Tyndall AFB, Florida. (Sparks;			
		McDonald list)			
1428.		Feb. 27, 1961. Yuma, Ariz. (Sparks; McDonald list)			
1429.		Feb. 27, 1961. Herndon, Virginia. (Sparks; McDonald			
		list)			
1430.	7284	Feb. 27, 1961. Bark River, Mich. 10:15 p.m. Mrs.	10 mins	1	
		LaPalm saw a fiery-red, round object, preceded by light			
		rays, slowing and descending, while her dog howled.			
		(Sparks; Berliner)			
1431.		Feb. 28, 1961. Waverly AFB, Iowa. (Sparks; McDonald			
		list)			
1432.		March 3, 1961. Ephrata, Wash. (Sparks; McDonald list)			
1433.		March 10, 1961. RAF Upper Heyford, England, UK.			
1.10.1	5201	(Sparks; McDonald list)			
1434.	7321	Spring 1961. Kemah, Texas. Case missing. (Sparks;			
1.42.5		Berliner)		2	
1435.		March 22 [23-29?], 1961. Ft. Pierce, Florida. 9:45 p.m. Beechcraft pilot and passenger saw an intense bright light		2	
		rise from 8,000 to 20,000 ft and accelerate. (Sparks;			
		McDonald list; cf. Project 1947)			
1436.		April 11, 1961. Cape Canaveral, Florida. (Sparks;			
1430.		McDonald list)			
1437.		April 14, 1961. Far East. (Sparks; McDonald list)			
1438.		April 18, 1961. Eagle River, Wisc. 11 a.m. Joe Simonton			
1 150.		heard a whining sound and saw an object, 30 ft in			
		diameter, 12 ft high, with exhaust pipes around the			
		periphery, land near his house. A door opened and a man			
		appeared, about 5 ft tall, wearing a black, turtle-neck			
		pullover with a white band at the belt, and black trousers			
		with a vertical white band along the side. Two other [?]			
		figures were visible inside. Simonton filled a jug with			
		water, returned it to the man, who gave him three ordinary			
		pancakes, and the object took off. (Sparks; Vallée			
		Magonia 517)			

1439.		April 20, 1961. Hanna City AFS, Illinois. (Sparks; McDonald list)				
1440.	7359	April 24, 1961. 200 miles SW of San Francisco, Calif. (35°50' N, 125°40' W). 3:34 a.m. (PST). 551st AEW&C Sq aircraft commander Capt. H. J. Savoy and navigator 1st Lt. M. W. Rand, on USAF RC-121D radar patrol plane at 11,000 ft saw reddish-white round object or light, similar to satellite or aircraft, angular size of pinhead at arm's length, moving W to E, tracked through sextant from 29°55' elevation 140° azimuth (SE) disappearing at the horizon at 50° (or 60° text barely legible) azimuth. No sound, no trail, weather clear, check for Echo satellite negative. (Sparks; Berliner; Jan Aldrich-NICAP; AFRHA index for 551st AEW&C Sq History)	8 mins	2	1/6	sextant
1441.		May 19, 1961. About 7 miles W of Bay Minette, Alabama (at 30°52' N, 87° 53' W). 10:18 a.m. Man checking mast of a ship saw an oval aluminum or silver-like object with tapered edges reflecting sunlight to the NNE at 20° azimuth 60° elevation traveling to SSW at 200° azimuth 60° elevation, no sound or trail. (Sparks; Hynek-CUFOS-Willy Smith files)	30 secs	1	20 ?	
1442.		May 20, 1961. Maxwell AFB, Alabama. (Sparks;				
1443.		McDonald list) May 20, 1961. Tyndall AFB, Florida. 2:50 a.m. (CST?). USAF fighter and helicopter pilots, and 4756th Air Police Sq personnel saw a white-orange round object, disappearing when the fighter approached. Air policemen sighted orange or white object in the E moving from azimuth 30° (or 70°) to 130° at elevation angles of about 30° to 40° disappearing at 90° (?). Ground radar tracking of targets in the W unrelated to visual sightings (Venus??) towards the E. Venus was rising in the E at azimuth 83° to 96° in 1hr 40mins, elevation 1° to 26°. (Sparks; Project 1947; NICAP)	1hr 30- 40mins	6+?		
1444.	7417	May 22, 1961. Tyndall AFB, Florida. 4:30 p.m. Mrs. A. J. Jones and Mrs. R. F. Davis saw big silver-dollar disc hover and revolve, then suddenly disappear. (Sparks; Berliner; NICAP)	15 mins	2		
1445.		June 2, 1961. Tampa, Florida. (Sparks; McDonald list)				
1446.	7437	June 2, 1961. Miyako Jima Air Station, Japan. 10:17 p.m. 1st Lt. R. N. Monahan and Hazeltine Electric Co. technical representative D. W. Mattison saw a blue-white light fly erratic course at varying speed, in an arc-like path. (Sparks; Berliner)	5 mins	2		
1447.	7401	June 25, 1961. Pacific Ocean. (Sparks; McDonald list)	1 1	1		
1448.	7491	July 7, 1961. Copemiah, Mich. 11 p.m. Waitress Nannette Hilley saw a large ball fly slow, split into 4 after 45 mins flying close formation, descend, then fly away to the W. (Sparks; Berliner)	1 hr	1		
1449.		July 10, 1961. Golden, Colo. (Sparks; McDonald list)	• • •			
1450.	7499	July 11, 1961. Springfield, Ohio. 7:45 p.m. Ex-air navigator G. Scott, wife, and neighbors saw a round, bright light like shiny aluminum, pass overhead. (Sparks; Berliner)	20 mins	4+		

1451.		July 17, 1961. 1 mile N of Bonny Spring Ranch [Bonnie		2		
1431.		Springs?] near Las Vegas, Nevada. 2 a.m. On U.S.		2		
		Highway 91 [95?], 2 civilians in a car saw in the rear-view				
		mirror a low-flying object that overtook their car, followed				
		by a rush of cold air. It stopped, circled the vehicle, flew				
		off and was lost to sight behind the mountains, where it				
		may have landed but exhaustive military investigation				
		found no trace. (Sparks; Vallée Magonia 521)				
1452.	7510	July 20, 1961. Houston, Texas. 9 a.m. (CDT). Trans-	30 mins	2+?		Radar,
		Texas Airlines Capt. A. V. Beather, flying a DC-3, saw 2				audio tape
		very bright white lights fly in trail formation. Ground				
		radar report vague. (Sparks; Berliner)				
1453.	7579	Aug. 12, 1961. Kansas City, Kansas. 9 p.m. College	3-5 mins	2		
		seniors J. B. Furkenhoff and Tom Phipps saw a very large	+			
		oval object with a fin extending from one edge to the				
		center, like a sled with lighted car running boards, which				
		hovered at 50 ft altitude for 3-5 mins, then flew straight up				
		and E, disappearing in about 5 secs. (Sparks; Berliner; cf.				
1454.		Vallée Magonia 522) Sept. 2, 1961. Albuquerque, New Mexico. 4:40-4:50 p.m.	10 mins	1		
1434.		(MST). Ziegler saw reflection of sun from a shiny surface	10 1111115	1		
		moving erratically W to E from about 240° azimuth (about				
		WSW) to 210° when it stopped and emitted several				
		smaller silvery objects about 1/6 the size of the main				
		object, then continued on to about 150° azimuth (about				
		SSE) where it again stopped and emitted several silvery				
		objects about 1/6 size then moved away and climbed to				
		about elevation 50° until disappearance by fading.				
		(Sparks; Project 1947; McDonald list; Saunders/FUFOR				
		Index)				
1455.		Sept. 7, 1961. Cape Canaveral, Florida. (Hynek UFO Rpt				missile
		p. 44)				tracking
						scope
1456.		Sept. 19-20, 1961. Indian Head, New Hampshire. 11	3 hrs?	2		radar? EM?
		p.m2 a.m. (EDT). Barney and Betty Hill saw a lenticular				
		object with a double row of portholes and half-a-dozen				
		dark figures working at control panels inside, when they				
		stopped to investigate a light following their car. They				
		became afraid and drove away. A "beeping sound"				
		enveloped the car, they felt a prickling sensation before				
		losing consciousness. When they came to, they were				
		driving near Ashland. A series of nightmares and				
		medically controlled hypnosis brought back what				
		apparently was the memory of their abduction by the				
		occupants of the object. Pease AFB 1917th AACS Det. 2				
		had an unidentified radar contact on Precision Approach				
		Radar at 2:14 a.m. of an unseen or invisible object at 4				
		miles range aborting a landing on the runway at ½ mile				
		range. (Sparks; Vallée Magonia 524; BB files; etc.)	J		I	

1.457	I	G + 27 10(1 H) CG 1'C [9] + 7 57 (BCE)	10 .		1	TEE
1457.		Sept. 27, 1961. W of Calif. [?] coast. 7:57 a.m. (PST).	13 mins			IFF
		Radar air defense patrol aircraft [probably RC-121D],				
		callsign Ethan 43, from 552nd Airborne Early Warning &				
		Control Wing, McClellan AFB, Sacramento, Calif.,				
		detected 5 targets on APS-95 UHF 425 MHz radar at high				
		speed, 4 of which heading 90° Mag (E) and 1 at 80° Mag				
		(nearly E), all of which disappeared in sea clutter. About				
		3 mins later [at 8:00 or 8:01 a.m.?] 2 targets appeared				
		heading 70° Mag (about ENE), crossed the radar scope,				
		one of which was tracked at 1,800 knots (2,100 mph) over				
		a path of 200 NM [about 6-1/2 mins], both disappearing in				
		sea clutter. During these tracks a third target appeared,				
		stationary for 2 mins, then began moving at 60 knots (70				
		mph) on heading 265° Mag (nearly W), disappearing in				
		sea clutter at about 8:10 a.m. No temperature inversion,				
		weather clear. Targets detected by IFF only. (Sparks;				
		McDonald list; BB files)				
1458.		Sept. 30, 1961. Las Vegas, Nevada. (Sparks; McDonald				
		list)				
1459.		Nov. 7, 1961. Arlington Heights, Illinois. (Sparks;				
		McDonald list)				
1460.	7741	Nov. 21, 1961. 7 miles ENE of Old Town, Florida. 7:30	3-4 mins	2		
		p.m. (EST). C. Locklear of Florida State Road Dept. and				
		Helen Hatch of Shaw Ford dealership saw a round, red-				
		orange object at about azimuth 180° (South) fly straight				
		up, brighten then fade and disappear. Insufficient Case				
		Data, possible Titan I missile launch about 170 miles to				
		ESE at Cape Canaveral at 7:30 p.m. (EST) with				
		brightening due to second stage firing. (Sparks; Berliner;				
		Printy; BB files)				
1461.	7742	Nov. 23, 1961. Sioux City, Iowa. 9:30 p.m. F. Braunger	15 mins	1		
1.01.	,,,=	saw a bright red star fly straight and level. (Sparks;	10 111110	-		
		Berliner)				
1462.	7754	Dec. 13, 1961. Washington, D.C. 5:05 p.m. C. F.	1-3 mins	3		
1102.	,,,,,,	Muncy, ex-U.S. Navy pilot W. J. Myers, and G. Weber	1 3 111113	5		
		saw a dark diamond-shaped object with a bright tip fly				
		straight and level. (Sparks; Berliner)				
1463.		Jan. 22, 1962. Kirksville, Missouri. (Sparks; McDonald				
1 105.		list)				
1464.		Feb. 12, 1962. Winnemucca AFB, Nevada. (Sparks;				
1404.		McDonald list)				
1465.		Feb. 19, 1962. Dauphin Island (at about 30°18' N or	12 mins	5	4/10	triangulatio
1405.		farther N initially, 88° 8' W), Alabama. 3 witnesses	12 111113	3	7/10	n
		driving S on the Dauphin Island toll bridge saw a reddish-				11
		orange object 1/3 the sun's diameter to the S about 10°				
		elevation, changing shape from round to football or cigar				
		shape then covered with fog. Car stopped for witness to				
		call Dauphin Island AFS radar site, 693rd Radar Sq which				
		coincidentally had 2 USAF airmen driving N on the toll				
		bridge and saw the object to the W, and thus object's				
		location can be approximately triangulated at about 30°16'				
		N, 88° 10' W, distance to civilian observers 2-5 miles				
		depending on how far N when first seen, and actual size at				
		least 30 ft. No radar contact reported. (Sparks; Hynek-				
1466	7010	CUFOS-Willy Smith files)	F	7		
1466.	7818	Feb. 25, 1962. Kotzbue, Alaska. 7:20 p.m. U.S. Army	5 mins	7		
		private and 6 anonymous civilians saw red light, trailed 30				
1	Î.	secs later by a blue light. (Sparks; Berliner)	I		l	i

1467.	7823	March 1, 1962. Salem, New York. 10:35 p.m. Mrs. L.	3-4 mins	1		
1407.	7023	Doxsey, 66, saw a gold-colored box, 12-14 inches x 3-4 ft	3 4 IIIII3	1		
		fly straight and level across the horizon. (Sparks;				
		Berliner)				
1468.	7840	March 26, 1962. Ramstein AFB, Germany. 1:35 p.m.	5-8 secs	1		
		USAF Capt. J. M. Lowery, from an unspecified aircraft,				
		saw a thin, cylindrical object, 1/3 snout, 2/3 tail fins, fly at				
		an estimated Mach 2.7 (1,800 mph). (Sparks; Berliner)				
1469.	7841	March 26, 1962. Naperville, Illinois. 11:40 p.m. Mrs. D.	15 min	2		
		Wheeler and Claudine Milligan saw 6-8 red balls,				
		arranged in a rectangular formation, become 2 objects with				
		lights by the end of sighting. (Sparks; Berliner)				
1470.	7930	March [May?] 26, 1962. Westfield, Mass. 10:45 p.m.	3-10 min	many		
		Many unidentified young people saw a large red ball fly or				
		fall down, then rise back up. (Sparks; Berliner)				
1471.		April 2, 1962. Goose Bay, Labrador, Canada. (Sparks;				
		McDonald list)				
1472.	7851	April 3-4, 1962. Wurtland, Kentucky. 8:50 p.m. (EST).	6 mins	2		telescope
		G. R. Wells and J. Lewis, using 117x telescope spotted a				
		small object changing brightness, giving off smoke but				
1.450		stationary like a comet. Case missing. (Sparks; Berliner)				
1473.		April 12, 1962. Kunia, Hawaii (at 22° 2' N, 160° 4' W).				
1.47.4		(Sparks; McDonald list)	1			DI
1474.		April 18, 1962. New York to Eureka, Utah, to Nellis	hrs	many		RV
		AFB, Las Vegas, Nevada. National air defense UFO alert				
		(previous cases on Dec. 6, 1950, Apr. 17, 1952, not in BB				
		files apparently, and Sept. 20, 1957, in BB files). High speed brilliant maneuverable object is tracked by radars				
		and sighted visually across the continent by numerous				
		military and civilian witnesses. (Sparks; Berliner; Kevin				
		Randle; etc.)				
1475.		April 28, 1962. Ft. Worth, Texas. Night. Nuclear		1		nuclear
11,0.		engineer Ralph Jackson saw egg shaped light crossing the		-		engineer;
		sky brighter than the Echo I satellite. (Sparks; Mary				telescope,
		Castner/CUFOS)				binoculars
1476.		May 19, 1962. Marksville, Leesville, Colfax, Louisiana.				
		(Sparks; McDonald list)				
1477.		May 24, 1962. Albuquerque, New Mexico. (Sparks;				
		McDonald list)				
1478.	7931	May 27, 1962. Palmer, Alaska. (NARA)		multi		
				ple		
1479.		June 7, 1962. Hallett Station, Antarctica. (Sparks;				
		McDonald list)				
1480.	7957	June 21, 1962. Indianapolis, Indiana. 4 a.m. Lt. Col. H.	3 mins	2		
		King and tail gunner M/Sgt. Roberts, aboard a B-52 heavy				
		jet bomber, saw 3 bright, star-like lights, first one then 10				
		secs later 2 more. (Sparks; Berliner)				
1481.	7968	June 30-July 1, 1962 [?]. Richmond, Virginia. 9 a.m. 13		1?		
		year old Meadors [?] saw a red, star-like light for				
		unspecified length of time. No further details in files.				
1.400	0020	(Sparks; Berliner)	7.10	2		
1482.	8020	July 19, 1962. Metuchen [Bayhead?], New Jersey. 9:30	7-10	2		
		p.m. C. T. Loftus and H. Wilbert saw 3-5 lights from	mins			
		different parts of the sky dart about the sky with no				
		pattern, brightness increased with speed of motion,				
		complete stops, zigzags, generally straight lines, N course				
<u> </u>		[?]. No trails or sound. (Sparks; Mary Castner/CUFOS)	Į	<u> </u>	ļ	

1483.	8034	July 29 [30?], 1962. Ocean Springs, Mississippi. 11:20 p.m. Mr. and Mrs. M. O. Barton saw a bright cherry-red,	10 mins +	2		
		diamond-shaped object fly slow, hover, make fast 1/2 loops. (Sparks; Berliner)				
1484.	8064	Aug. 18 [19?], 1962. Bermuda. 5 p.m. Owner M.	20 mins	2		
1 .0		Sheppard and chief announcer A. Seymour of radio station		_		
		saw 3 dull-white, egg-shaped objects waver as they				
		moved. (Sparks; Berliner)				
1485.		Sept. 15, 1962. Oradell, New Jersey. 5, 6, 7:50 p.m. 2	few mins	6+	1/10 ?	
		bright disks seen at 5 p.m., again at 6 p.m., at the state line.	?			
		2 witnesses saw one round object with a fin on top and				
		another under it at 7:50, heading down toward Oradell				
		reservoir. 3 young men saw and heard the object touch the water. Another witness called police. Bright luminous				
		object surrounded with a glow, apparent size of a small				
		plane 1/2 mile away, took off a few minutes later to the S.				
		(Sparks; Vallée Magonia 547)				
1486.	8133	Sept. 21, 1962. WSW of Biloxi, Mississippi, in Gulf of	13 mins	2	1	binoculars
		Mexico. 7:37-7:50 p.m. Fishing boat captain S. A.				
		[Danny?] Guthrie and deck hand saw 2 objects, red and				
		black with orange streaks, one as big as the Moon, and the				
		other smaller and trailing [?], arcing across the sky.				
1.407	0102	(Sparks; Mary Cadtner/CUFOS; Berliner)	20	1		
1487.	8182	Oct. 23, 1962. Farmington, Utah. 3 p.m. R. O.	20 secs	1		
		Christensen saw a grey and silver ball, trailing what looked like twine with two knots in it, swerve, and climb				
		away at a 45° angle, making a sound like a flock of ducks				
		(rushing air). (Sparks; "Duck Hunter Case") (Berliner)				
1488.	8215	Nov. 17, 1962. Tampa, Florida. 9 p.m. F. L. Swindale,	11-15	1?		
		college graduate and ex-USMC Capt., saw bright star-like	mins			
		lights approach, hover and bounce, then fade. (Sparks;				
		Berliner)				
1489.		Jan. 5, 1963. Nantucket Point, Long Island, New York. 3	1 hr	2	16	
		a.m. (Sparks; Hynek UFO Rpt p. 45-46)				
1490.		Jan. 28, 1963. Shilton, U.K. 5:20 p.m. Mary Sharp and		2		
		Mrs. E. L. Sharp saw an object on the ground with 4				
		windows, emitting yellow-orange light, departed toward				
1491.		Rugby. (Sparks; Vallée Magonia 559) Jan. 28, 1963. Mamina, Chile. Nighttime. Former	10 mins	1		
1491.		Chilean Air Force officer, driving a truck, saw 2 disk-	+	1		
		shaped objects follow him. (Sparks; Vallée Magonia 560)				
1492.		Feb. 5, 1963 (approx.). Ascension, Paraguay. Student,		1 +		
		Anastasio Lenven, saw an object land on the school		sever		
		grounds. A separate sighting by several residents,		al		
		including an official of the Ministry of the Interior, was of				
		an object flying at very high speed over Ascension.				
		(Sparks; Vallée Magonia 562)				

1493.	8277	Feb. 8, 1963. About 5 miles S of Maysville, Kentucky (at 38°32.5'-38°35' N, 83°47.5' W, 720 ft elevation ASL). 9:50 p.m. Mr. Pyles and 4 other witnesses saw a hovering saucer-shaped object about 200 ft away about 100 ft altitude (or 240 ft?) over a nearby field. Object was >30 ft across with 2 blue and 2 red lights equally spaced on periphery. Object tilted vertically then flew away to the W disappearing over low hill horizon about 1/2 mile away at 840 ft ASL after tarveling about 1 mile. Sound like an aircraft engine. (Sparks; BB Maxwell Microfilm Roll 1, pp. 1113, 1131; NARA Microfilm Roll 1, p. 284; Loren Gross Jan-Jun 1963, pp. 17, 19)	30 secs	5	15?	
1494.		Feb. 15, 1963. Willow Grove, NW of Moe, Victoria, Australia. 7:10 a.m. Charles Brew saw a 25 ft blue and battleship-gray metallic object, 9-10 ft high, arrive from the E, stop at 50 ft altitude over his farmhouse [75-100 ft over a tree and a shed on his property]. Object made a swishing sound, underside spun counter-clockwise slowly about 1 rev/sec, had a bright chrome 5-6 ft long "aerial" or antenna, scoop-like protuberances on the outer rim spaced 1-1.5 ft apart, no light except for pale blue glow of underside, took off faster than a jet to the W at a 45° angle into the cloud deck, after hovering about 5 secs. Animal reactions. Witness developed strong headaches on the approach of the object and all day. (Sparks; Vallée Magonia 563; Project 1947; Bill Chalker)	5 secs +	1	20 ?	
1495.		March 6, 1963. Louisiana, Arkansas, Texas. 10:37-10:40 a.m. (CST). Insufficient data / possible meteor radar tracked through US Naval Space Surveillance network radar fence at 10:38:19 CST. (Sparks; BB files; McDonald list)				
1496.	8360	May 18, 1963. New Plymouth, New Zealand. 10:30 p.m. C. S. Chapman, 15, saw a white, fuzzy, flashing light hover and dart around. (Sparks; Berliner)	4 mins	1		
1497.	8363	May 22, 1963. Pequannock, New Jersey. 10:45 p.m. Myra Jackson saw 4 pink wheels spin or roll very fast from E to W in succession, each about 1 sec. (Sparks; Berliner)	4 x 1 sec	1		
1498.	8388	June 15, 1963. Indian Ocean SW of India [not near Venezuela] (at 14°27' N, 69°57' E [not W]). 8:39 p.m. [not 10:39 a.m.] 3rd Mate R. C. Chamberlin (and Master/Captain R. W. Higgenson?) of S/S Thetis saw in the NW about 325° True about 30° elevation a "luminous disk with no clear outline, with a light filament-like cloud in front no trail behind, traveling at about 1-1/2 times the angular speed of the Echo satellite seen about 9:10 to 9:20 p.m. local time. [NRO POPPY-GRAB ELINT satellite Agena D upper rocket stage launched about ½ orbit earlier, partial failure with possible vent cloud in front?.] (Printy Mar 2013; Sparks; Berliner)	4 mins	2?	nearly 1	
1499.	8371	Summer 1963. Middletown, New York. 9:30 or 10 p.m. Grace Dutcher saw 8-10 lights move at random, then in an	1 min	1		
1500.	8434	oval formation, then singly. (Sparks; Berliner) July 1, 1963. Glen Ellyn, Illinois. 8 p.m. R. B. Stiles, II, using a theodolite, saw a light, the size of a match head at arm's length, flash and move around the sky. (Sparks; Berliner)	1.5 hrs	1	1/2	theodolite

1501.		Aug. 4-5, 1963. Near Mt. Vernon (or Keenes) to Wayne City, Illinois. 11:30 p.m. – 12:20 a.m. (EDT). Ronnie Austin and Phyllis Bruce while driving E noticed a bright white round object to the SW about 20° elevation then S then N which followed them for several miles. When Austin dropped off Phyllis at home it was to the E about 500 ft away and her sister Forestine also saw the object with them. After about 15 mins Austin attempted to leave for home but the object followed him, at one point as he headed E it came over his car at about 100 ft, changed color to orange and appeared car sized, hovered above the car while the car radio had whining noise static and car engine almost failed, then made a pass from behind W to E. On arriving home object was about 900 ft to the SE or E and other family members also saw it, Mr. and Mrs. Orville Austin, sister Roxie and a brother. (Sparks; NICAP)	50 mins	6	16?	EM, radioactivit y?
1502.		Aug. 7, 1963. 4 miles E of Fairfield, Illinois. 8:45-9:10 p.m. Chauncey Uphoff and Mike Hill heard dogs bark, saw a yellowish-orange diamond shaped noiseless luminous object to the SW about 1,000 ft altitude moving E, joined by a pinpoint white light that went from SE to NW climbing with a possible drumming sound and when near the first object the latter blinked out. When the pinpoint light disappeared to the NW the diamond-shaped object reappeared as dim gray to the SW maneuvering towards them to the S about 45° elevation then SE with a U-turn or loop, appearing on edge with a tail or trail, changing color to orange then brilliant blue-white, disappearing in the SE. Object's angular size much larger than the moon. (Sparks; BB Maxwell Microfilm Roll 1, pp. 1115-6; NICAP)	25 mins	2+	20 ?	
1503.	8506	Aug. 11, 1963. Warrenville, Illinois. 10 p.m. R. M. Boersma saw a light move around the sky. (Sparks; Berliner)	20 secs	1		
1504.	8514	Aug. 13-14, 1963. St. Calen, Switzerland. 8:04 p.m. A. F. Schelling saw a fireball become a dark object after 4 mins, then a bigger glow, 1 min later, finally exploding. Note: same witness had another, undescribed, sighting on Aug. 14. (Sparks; Berliner)	4 mins +	1		
1505.		Aug. 20, 1963. Rome, Italy. 9:32 p.m. Fattorini. In the Italian President's forest reserve area near Rome, President's chauffeur driving his official car saw an object like a plate turned upside down, with a central turret, flying low over his vehicle. (Sparks; Vallée Magonia 579; FUFOR/Saunders; Edoardo Russo; Vallée Forbidden Science p. 133)		1?		
1506.	8548	Sept. 14. 1963. Susanville, Calif. 3:15 p.m. E. A. Grant, veteran of 37 years training forest fire lookouts for the U.S. Forest Service, saw a round object intercept a long object then either attach itself to the latter or disappear. (Sparks; Berliner)	10 mins	1		
1507.	8549	Sept. 15, 1963. Vandalia, Ohio. 6 p.m. Mrs. F. E. Roush saw 2 very bright gold objects, one shaped like a "banana" the other like an "ear of corn," one staying stationary, the other moving from W to N. (Sparks; Berliner)	10 mins	1		

1508.	8581	Oct. 4, 1963. Bedford, Ohio. 3:32 p.m. R. E. Carpenter, 15, saw am intense oblong light with tapered ends, surrounded by an aqua haze, flash and flicker while stationary. (Sparks; Berliner)	15 secs	1		
1509.		Oct. 6, 1963. Philadelphia, Penna. Freidman. (Sparks; Mary Castner/CUFOS)				
1510.		Oct. 7, 1963. Lanham, Maryland. Francis. (Sparks; Mary Castner/CUFOS)				
1511.	8603	Oct. 23, 1963. Meridian, Idaho. 8:35 p.m. Several unnamed students, including Gordon, and an adult saw an object shaped like a circle from below and a football from the side, hover low over the observers, making a deep, pulsating, loud, extremely irritating sound, changed course to SW, disappeared behind houses and trees. (Sparks; Mary Castner/CUFOS; Berliner)	6 mins	sever al		
1512.	8604	Oct. 24, 1963. Cupar Fife, Scotland. No time given. A. McLean, 12, and G. McLean, 8, saw a light move for an unspecified length of time. No further details in files. Note: BB Chief Maj. Quintanilla told the youngsters, in a letter, this was "one of the most complete" of the unexplained cases for the year. (Sparks; Berliner)		2		
1513.		Dec. 6-7, 1963. APO 253, France. (Sparks; McDonald list)				
1514.		Dec. 10, 1963. White Plains, NY. (Sparks; Mary Castner/CUFOS)				
1515.	8647	Dec. 11, 1963. McMinnville, Oregon. 7:00 a.m. W. W. Dolan, Professor of Mathematics and Astronomy, and dean of the faculty of Linfield College, saw a bright, starlike light the brightness of Jupiter in the N just above the horizon hovering about 30-60 secs, then slowly move to the right level with the horizon, then dimmed and then brightly flashed like a sun glint on a window (but sunrise was about 7:40 a.m.), picked up speed, while dimming, crossing 5° to 10° of arc in about 15 secs before disappearing behind a tree. (Sparks; Berliner; BB files)	~1 min	1	point source	Astro / Math Prof
1516.	8654	Dec. 16, 1963. Pacific, 800 miles N of Midway Island (at 40° N, 175°54' W). 5:05 p.m. Crew of military aircraft saw a white light blink 2-3 times per second moving very fast across the sky. (Sparks; Berliner)	15 secs			
1517.	8729	April 3, 1964. 1 mile W of Monticello, Wisc. 9 p.m. R. Wold, graduate student in anthropology, and wife, Rossing and another, saw 4 huge red lights in a rectangular formation, with a white light above, near the ground, tilt and fly away. (Sparks; Vallée Magonia 594; Saunders/FUFOR Index)	3-4 mins	4		

1518.		April 10, 1964. 30 mi E of Merced, Calif. 11:40 a.m. (CST? of BB, not PST). NORAD, National Military Command Center and AF Command Post reported that radar detected 12 objects at 60,000 ft and 90,000 ft and higher altitudes moving in a 60-mile "race-track pattern" (impossible for balloons). 2 F-106's scrambled from Castle AFB and at 50,000 ft one or both jet pilots obtained radar lock on some of the objects but could not hold lockon and no visual was obtained. Due to extreme altitude NORAD scrambled 2 U-2's at about 2 p.m. (CST). One U-2 pilot allegedly identified "the" object as a balloon according to NORAD report at 3:30 p.m. – no confirmation of such nonsense, no ID of balloon type, launch site, launch time. No explanation of 12 radar targets or how 1 balloon could be at different altitudes at the same time (60,000 ft, 90,000 ft and higher). (Sparks;	3+ hrs?	5+	
		BB files; Paul Dean)			
1519.	8739	April 11, 1964. Homer, New York. 6:30 p.m. physiotherapist W. B. Ochsner and wife saw 2 cloud-like objects darken, one shot away and returned. (Sparks; Berliner; cf. Hynek UFO Exp, case DD-2)	30-45 min	2 [3?]	

		T. H. S. J. S. S. S. S. S. S. S. S. S. S. S. S. S.				
1520.	8766	April 24, 1964. 1 mile SSW of Socorro, New Mexico	5 mins?	1+	20	
		(landing site near 34° 2'33" N, 106°53'52" W). 5:45-				
		5:50? p.m. Socorro Police Dept. patrol officer Lonnie				
		Zamora, while chasing a speeder heading S, heard a				
		roaring sound and saw a bluish-orange funnel of flame in				
		the sky to the SW slowly descending possibly 1/2 to 1				
		mile away, bottom of flame hidden behind a hill. He tried				
		to pursue the flame, turning off to the right on a rough				
		gravel road to the SW, lost sight of flame while trying to				
		get car up steep rough hill. At the top after 10-15 secs of				
		continuing along gravel road he suddenly noticed a shiny				
		whitish-aluminum color landed object about 12-15 ft tall				
		about 800 ft away to the SW down in a gully, at first				
		looking like upturned car but actually appearing oval long-				
		axis vertical on two legs, and for about these 2 secs also				
		saw 2 small-adult-like figures in white coveralls near				
		object, one turning toward him seemingly startled and				
		jumping. He lost sight of object as he drove about 1,000 ft				
		further WSW, radioed headquarters he was investigating				
		possible car accident, then stopped at the top of the ridge				
		about 103 ft from landing site down in the gully to the SE.				
		He got out, heard 2-3 loud thumping noises like a door				
		shut hard, walked 3 steps to the front of the car to possibly				
		90 ft distance when he heard a very load roar increasing in				
		volume and saw a smokeless blue-orange flame coming				
		from beneath the oval object, now seeming long-axis				
		horizontal at this angle (about 120° from previous				
		sighting), with a red insignia or lettering in the middle				
		about 2 x 2-1/2 ft, and slowly rising. He thought it was				
		going to explode and ran away, putting car between him				
		and the object, about 25 ft and 6 secs of running from the				
		car he glanced back and saw object had risen about 20-25				
		ft to level of his car, ran another 25 ft and "ducked down"				
		below edge of ridge. Roaring noise stopped, he looked up				
		and saw object heading to the SW (towards W end of				
		Socorro Municipal Airport 1 mile away) at level height				
		just clearing 8 ft dynamite shack by about 3 ft moving				
		"very fast," no flame or smoke or noise. He ran back to				
		patrol car, radioed headquarters, saw object climbing				
		slowly and "get small" in the distance just clearing Box				
		Canyon or Sixmile Canyon Mtn. (about 6 miles to WSW).				
		Immediate police and military investigation found physical				
		traces, burning brush and indentations in the ground, and				
		several other more distant witnesses. (Sparks; Hynek				
1521		UFO Rpt pp. 223-9; BB files; etc.)				
1521.		April 26, 1964. Las Vegas, Nevada. (Sparks; McDonald				
4555		list)				
1522.		April 26, 1964. La Madera, New Mexico. (Sparks;				
		McDonald list)				
1523.		April 28, 1964. Minot AFB, N.Dakota. (Sparks;				
		McDonald list)				
1524.		April 30, 1964. Canyon Ferry Reservoir, Montana. 9:30	< 60 secs	6	10-15	
102		[10:30?] p.m. Flittner, Harold Rust family children, and	00 5005	J	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		Linda Davis, saw egg-shaped object size of an automobile				
		land about 150 [125?] ft away. Left 4 indentations in the				
		ground, 8 x 10 inch rectangles, 4-8 inches deep, about 13				
		ft apart, and a burned area. (Tony Rullan; Lorenzen				
		1966, pp. 223-4; Saunders/FUFOR Index)				

1525.	8787	May 9, 1964. Asheville, North Carolina. Civilian		multi		
1323.	0707	witnesses. (NARA)		ple		
1526.	8788	May 9, 1964. Chicago, Illinois. 10:20 p.m. J. R. Betz,	3 secs ?	1	1/2	
1320.	0700	U.S. District Court reporter, saw 3 light green crescent-	3 3003 :		1/2	
		shaped objects, about half the apparent size of the moon,				
		flew very fast in tight formation from E to W, oscillating				
		in size and color for 3 secs. (Sparks; Berliner)				
1527.	8811	May 18, 1964. Mt. Vernon, Virginia. 5:15 p.m. Civil	17 mins	1		civil
1527.	0011	engineer F. Meyers saw a small, glowing white oval split	1 / 1111115	1		engineer
		twice after moving from the right of the moon (to the E,				8
		half moon phase, 115° azimuth, 48° elevation) around to				
		the left. (Sparks; Berliner)				
1528.		May 24 [26?], 1964. Millinocket, Maine. 9 p.m. Man	5 mins	2	20-40 ?	
		and a friend driving on Millinocket Lake Road saw a fiery,	0 333332	_		
		structureless 2 ft spherical object to the side, stopped, left				
		the car to get a better look. They became afraid, walked				
		back to the car, the sphere followed them. Car would not				
		start while sphere was within 5-10 ft. (Sparks; Vallée				
		Magonia 607)				
1529.	8836	May 26, 1964. Cambridge, Mass. 7:43 p.m. P.	3-4 secs	1		satellite
		Wankowicz, RAF pilot and ex-Smithsonian satellite				tracker
		tracker, saw a thin, white ellipsoid (3.5x length/width				
		ratio) fly straight and level. (Sparks; Berliner)				
1530.	8839	May 26, 1964. Pleasantview, Penna. 11 p.m. Rev. H. C.		1		
		Shaw saw a yellow-orange light, shaped like the bottom of				
		a ball, in a field and chased down the road for 2 miles.				
		(Sparks; Berliner)				
1531.	8870	June 13, 1964. Toledo, Ohio. 9:15 p.m. B. L. English,		1		
		announcer for radio station WTOD, saw 3 glowing white				
		spheres, glowing red on their sides, moving slow, hover				
		then moving in circles very fast, making a low, rumbling				
		sound. (Sparks; Berliner)				
1532.		July 10, 1964. Cape Guardian, Missouri; Jackson,				
		Mississippi, Belleville. (Sparks; McDonald list)				
1533.	8924	July 16, 1964. 15 miles S of Houghton Lake, Mich. 11:15	5 mins	1		
		p.m. Northern Air Service pilot K. Jannereth saw 4 white				
		lights in a stepped-up echelon formation, joined by 2				
		more, closing in on the airplane, then rapidly slow and fly				
		along with it. (Sparks; Berliner)				
1534.	8942	July 20, 1964. Clinton, Iowa-Littleton, Illinois [?]. 4:45	1 min	1?		
		a.m. J. J. Winkle saw a 60 ft diameter round-topped, flat-				
		bottomed object with a long acetylene-colored flame				
		shooting downward, flying straight and level, make a half				
		loop, then rise up. [Military and civilian witness(es)??				
4		Two different cases?] (Sparks; Berliner)				
1535.		July 24, 1964. Langley AFB, Virginia. (McDonald list)				
1536.	8969	July 27, 1964. Norwich-Sherburne, New York. 7:30 [9?]	4-5 mins	1		
		p.m. Duabert, engineering supervisor [engineer?] stopped	[6? mins]			
		his car when he saw an aluminum sphere with a				
		flourescent luminous ring, stationary 50 ft above ground,				
		which emitted 3 beams of very bright light before flying				
1505	0073	off at high speed. (Sparks; Vallée Magonia 618)	2.2			
1537.	8973	July 27, 1964. Denver, Colo. 8:20 p.m. A. Borsa saw a	2-3 mins	1		
		white ball of fire, the size of a car, climb slowly, then				
		speed up. (Sparks; Berliner)				

1538.		July 28, 1964. Lake Chelan, Wash. 10:30 p.m. Former Navy pilot and another man, at work in a field saw an intense light, cone-shaped, emitted from the ground and a similar light in the sky, alternating which was on and off. A round, aluminum-looking object, about 30 ft in diameter, with one red and one white light, then appeared and descended to ground with a strong whistling sound similar to a small jet, piercing and high-pitched voices similar to those of children playing were heard. Before this object took off a low-flying jet circled its position. The densely wooded area was explored by helicopter and on foot 3-4 days later by Sheriff Nickell and a USAF officer, but nothing was found. (Sparks; Vallée Magonia 619)	40 mins	2	
1539.	9031	Aug. 10, 1964. Wake Island. 5:16 a.m. Aircraft commander Capt. B. C. Jones and navigator 1st Lt. H. J. Cavender, in parked USAF C-124 transport plane, saw a reddish, blinking light approach the runway, stop and make several reverses. (Sparks; Berliner)	2 mins	2	
1540.	9048	Aug. 15, 1964. New York City, New York. 1:20 a.m. S. F. D'Alessandro saw a 10 ft x 5 ft bullet-shaped object with wavy lines on the rounded front part and 6 pipes along the straight rear portion, making a "whishhh" sound. Witness' dog growled. (Sparks; Berliner)		1	
1541.	9049	Aug. 15, 1964. Yosemite National Park, Calif. 8:15 a.m. E. J. Haug, of the San Francisco Orchestra and Conservatory, and C. R. Bubb, high school math teacher, saw 3 bright silver, round objects, in a stack formation, fly very fast, changing positions within the formation, with a sound of rushing air. (Sparks; Berliner)	3-4 secs	2	
1542.	9053	Aug. 18, 1964. Atlantic, ~207 miles ENE of Cod Intersection of NY Oceanic Control Area (air traffic zone) [at about 42.8° N, 64.35° W]. 5:35 to 5:37 a.m.[EST? EDT? GMT?]. USAF Major D. W. Thompson and First Pilot 1st Lt. J. F. Jonke flying a C-124 transport (no. 31007) with the 31st Air Transport Sq, 1607th Air Transport Wing, out of Dover AFB at 9,000 ft and 200 (knots) true airspeed, saw a large round, blurred or diffuse-edged, reddish-white luminous object dead ahead of the C-124 from ahead and about 500 ft below, then appeared at aircraft level on collision course averted when pilot took evasive action by turning from a 260° Mag [=247° True] heading to 340° Mag and object made a right turn and disappeared. (Sparks; Berliner; cf. Hynek UFO Exp ch. 5, case NL-10; NARCAP; CUFOS)	2 mins	4	

1543.		Sept. 5 [4?], 1964. 10 p.m. Near Cisco Grove, Calif. Donald Schrum on a hunting trip became separated from	several hrs	2	
		his 2 friends, climbed a tree for the night, saw 3 flying silvery lighted objects [one dome-shaped?] about 1/4 mile			
		away emitting "cooing" noises which dropped 2 objects to			
		the ground with a loud crashing noise on impact. 2			
		human-like and one robotic being were drawn to his signal			
		fires, Schrum tried to scare them away and shot the robot with arrows, the robot emitted noxious fumes that			
		nauseated him and made him black out [a second robot			
		appeared with similar effects]. Finally the vehicles			
		departed with a noxious vapor emission that made him			
		black out. One of his companions also saw one of the			
		UFO's. (Sparks; Hynek UFO Rpt pp. 210-2; Vallée			
1544.	9104	Magonia 624; NICAP website; etc.) Sept. 10, 1964. Cedar Grove, New Jersey. 7:09 p.m.	45 secs	1	chemist
1344.	9104	Chemist P. H. DePaolo saw 4 white lights, 3-4 [degrees?]	45 8008	1	Chemist
		apart, to the N, going W. (Sparks; Berliner)			
1545.		Oct. 25?, 1964. Caribbean. US Navy radar tracking.			
		(Sparks; Tony Rullan)			
1546.	9170	Nov. 14, 1964. Menomonee Falls, Wisc. 9:40 p.m. Dr.	5-6 secs	3	
		G. R. Wagner, MD, and two girls, saw 3 dim, reddish			
1547.		lights fly through 160° arc. (Sparks; Berliner) Nov. 16, 1964. Caribbean. US Navy radar tracking of			radar IFF
1347.		unidentified object emitting encrypted IFF Mode 1			radar 11 1
		transponder signals in response to shipboard IFF			
		interrogation. (Sparks; Tony Rullan)			
1548.		Nov. 17, 1964. Caribbean. US Navy radar tracking of			radar IFF
		unidentified object emitting encrypted IFF Mode 1			
		transponder signals in response to shipboard IFF			
1549.		interrogation. (Sparks; Tony Rullan) Nov. 18, 1964. Caribbean. US Navy radar tracking of			radar IFF
1347.		unidentified object emitting encrypted IFF Mode 1			radar 11 1
		transponder signals in response to shipboard IFF			
		interrogation. (Sparks; Tony Rullan)			
1550.		Nov. 18-19, 1964. S Puerto Rico (near 18°10' N,	8 mins	multi	encrypted
		66°12'W). USS Gyatt radar tracking of low altitude low		ple	IFF signals,
		speed object. F-8C fighter attempted but failed to intercept object. (Sparks; Saunders index; Tony Rullan)			radar
1551.	9183	Nov. 19, 1964. 34°55' N 164°05' E (Pacific, about 1,400	20 secs	multi	
1001.	7105	miles E of Tokyo). Military personnel saw a bright white	20 3003	ple	
		flashing light traveling from horizon to horizon. (Sparks;		1	
		Berliner)			
1552.		Nov. 24, 1964. Caribbean. US Navy radar tracking of			radar IFF
		unidentified object emitting encrypted IFF Mode 1 transponder signals. (Sparks; Tony Rullan)			
1553.		Dec. 4, 1964. Baker, Oregon. (Sparks; McDonald list)			
1555.	<u> </u>	Dec. 7, 1707. Daker, Oregon. (Sparks, WicDonald list)	L	<u> </u>	

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1554.		Dec. 19, 1964. Patuxent River NAS, Maryland (at	12 + 12	3		
		38°17'15" N, 76°24'04"W). 3:50 + 3:54-3:55 p.m. (EST).	+ 18 + 6			
		USN Radar Approach Controller ACC Everett D.	secs			
		Pinkerton, RATCC (Radar Air Traffic Control Center)				
		Watch Supervisor ACC James D. Flanagin [sp?], and				
		Precision Approach Controller AC3 Bernard R. Sujka,				
		tracked 2 abnormally large targets 10 NM apart on CPN-				
		18A radar (with MTI on) at azimuth 120° Mag azimuth				
		heading directly toward the radar antenna at about 6,900				
		mph, detected at each 6-second sweep at scope's 40 NM				
		maximum range, 30 NM, and 20 NM then faded. Then 24				
		secs later single blip reappeared at fade point range 20 NM				
		on reciprocal heading at each 6-sec sweep at 30 NM and				
		40 NM, and disappeared. At about 5 mins later single blip				
		appeared at 120° Mag at 40 NM range headed towards				
		radar site at each 6-sec sweep at 30, 20, and 10 NM (again				
		6,900 mph) faded [disappeared?] 1 sweep, reappeared at				
		100° Mag at 10 NM (misinterpreted as a 160° "turn" by				
		Sujka) headed outwards to next sweep at 20 NM (again				
		6,900 mph) to final disappearance. No visuals, no				
		confirmation from other radars (FPS-37 radar and Wash				
		DC ARTCC were checked). BB found targets caused by				
		interference or circuit failure, in effect an IFO with no real				
		objects. Classic radar interference with high speed radial				
		inward and outward targets never crossing to other side of				
		scope. (Sparks; NICAP; BB files; CIA files)				
1555.		Dec. 21, 1964. Harrisonburg, Viginia. 5 p.m. Mr. Burns	< 1 min	1+		
		and others in the area saw a huge object cross the road,				
		hover at ground level in a field, then take off vertically.				
		(Sparks; Vallée Magonia 628)				
1556.		Jan. 12, 1965. Blaine AFB, Wash. Member of a federal	1+ min	1 + ?		RV
1000.		agency, who was driving toward the base, saw a low-	1 11111			10,
		flying object, 30 ft in diameter, which avoided collision at				
		the last moment. He got out of the car and saw it hovering				
		for 1 min, then fly off at high speed. Object tracked on				
		radar. Same night, a round, glowing object with a dome				
		on top landed on a nearby farm, melting snow in a 30 ft				
		diameter circle. (Sparks; Vallée Magonia 630; NICAP				
1.5.5.7	02.42	March 1965; BB files??)	25	2 :		
1557.	9242	Jan. 23, 1965. Lightfoot, N of Williamsburg, Virginia.	25 secs	2+		
		8:40 a.m. Cars stalled near intersection of US Hwy 60 and				
		State Route 614, witness T. F. Mains saw light-bulb or				
		mushroom-shaped object 75-80 ft tall, 10-25 ft wide,				
		metallic gray, red-orange and blue glows, hovering over				
		nearby field about 4 ft off the ground, making a vacuum				
		cleaner-type noise, suddenly accelerate horizontally to the				
		W against the wind and disappear. (Sparks; Berliner; cf.				
		Hynek UFO Rpt pp. 177-8; Vallée Magonia 633)				
1558.		Jan. 24-28, 1965. Alaska. (Sparks; McDonald list)				
1000.	1	van. 2. 20, 1700. Huona. (opaino, 1910)	l		l	ļ

1559.		March 2, 1965. E of Weeki Wachee, near Brooksville, Florida. 1:55 p.m. John F. Reeves, 65, retired, while walking in the woods saw an bluish-green and reddish-purple object 20-30 ft in diameter, 6 ft thick, saucer-shaped with an outer rim and a stairway, with 2 2-ft windows on top, landed on the ground on 4 4-ft legs about 2,000 ft away. He approached to 100 ft. After watching it for 10 mins [?], he saw a robot-like being about 200-300 ft away, about 5 ft tall, wearing a gray-silver uniform, glass dome headgear, wide-spaced eyes, pointed chin, walking to 15 ft from Reeves, stared at him for 1-1/2 mins, pointing a box [?] or 6-7-inch black object at Reeves that emitted a flash 3 times, then walked back to the landed vehicle and climbed in. Object had Venetian-blind-like blades on the rim that opened and closed, rim started rotating counterclockwise, landing gear retracted, then it took off with a whooshing-rumbling sound and disappeared vertically in < 10 secs, dropping 2 sheets of paper with indecipherable writing, and leaving indentations and footprints in the ground. Investigated by MacDill AFB. (Sparks; Vallée Magonia 638; etc.)	10 mins +	1	20-30 (UFO) 40 (robot)	
1560.	9301	March 4, 1965. Corvallis, Oregon. 9:23 [6:30?] p.m. W. V. Harrison and his employee while driving in a car saw 3 yellow-orange spheres or lights rise rapidly from the ground, several seconds apart. Next day an oily spot was found at the site. (Sparks; Berliner; cf. Vallée Magonia 639)	secs?	2		
1561.	9305	March 8, 1965. Mount Airy, Maryland. 7:40 p.m. J. H. Martin, instrument maker for National Bureau of Standards, and 2 others, saw 6 lights fly overhead slowly [and/or a cigar-shaped object with 2 fixed red lights, fly above them, just missed hitting the house, disappearing to the NE]. (Sparks; Berliner; cf. Vallée Magonia 640)	3 mins	3		
1562.	9345	April 4, 1965. Keesler AFB, Biloxi, Mississippi. 4:05 a.m. USAF A/2c Corum, weather observer, with confirmation by college student R. Pittman not clear from available data. Saw a 40 ft black, oval object with 4 lights along the bottom, fly in and out of the clouds. (Sparks; Berliner)	15 secs	1-2		[radar?]; weather observer
1563.		April 10-14, 1965. Misawa AFB, Japan. (Sparks; McDonald list) April 23, 1965. Rivesville, West Virginia. 8 a.m. Woman saw a 25 ft object land near her house while she was working in the kitchen. Shaped like a disk, with portholes, a cylinder about 3 ft high, a sliding door from which a small being, about 3 ft tall emerged and jumped to the ground. Its face was not clearly visible but it had pointed ears, a sort of tail, was linked to the main object by a cable, wore white clothing, picked up something from the ground, then re-entered the cylinder, which slid up into the larger white disk. Outside rim of landed object started spinning in a counterclockwise motion with a soft whistling sound, it then rose straight up out of sight. (Sparks; Vallée Magonia 644)		1		

1565.	May 6, 1965. Philippine Sea at 20°22' N, 135° 50' E. 9:10 a.m. [GMT? = 6:10? p.m. Local Time?] Crew of USN ship heading W at 265° at 15 knots sighted aircraft at bearing 000° [N?] approaching. At 9:14 the SPS-6C air search radar detected 4 targets at ranges up to 22 miles for the next 6 mins at extremely high speed 3,000 knots (3,500 mph) and various maneuvers, viewed through binoculars appeared as 3 lighted objects one of 1st stellar magnitude the others 2nd magnitude. Objects hovered directly over the ship for 3 mins as confirmed visually and on radar by the Commanding Officer, bridge crew and others on deck. No IFF response, one object to starboard appeared larger on radar. Objects departed to the SE at extremely high speed. (Sparks; Hynek UFO Exp ch. 7, case RV-5)	10? mins	12		RV
1566. 938	May 7, 1965. Oxford, Mich. (42°49' N, 83°16' W). 7:40 p.m. (EST). Pontiac Motor Works supervisor Marlin E. Marshall and 12-year-old son and 9-year-old daughter saw a light, like a satellite, at their zenith just a few minutes after local sunset [sunset at 7:40 p.m. but in the forest effectively set a few mins earlier] split into 2 parts, one of which was copperish color, then 4 smaller round objects appeared [~1/3 Full Moon in angular size each as viewed in 6x binoculars], 3 seemed to be ejected from the first object, the 6th object simply appeared further out. Only first 2 objects were large enough to be seen with naked eye; the others were visible in the 6x 30mm binoculars that Marshall was carrying. The 4 smaller objects started fading gradually. The reddish-copper-bronze colored object seemed to be tumbling and appeared oval-shaped [about 1:2.5 ratio of axes and ~2/3 Full Moon long in the binoculars] the other large object was round. Disappeared in cumulus cloud cover that came in. Insufficient Data / Possible IFO Project ASH CAN Skyhook balloon but Insufficient Data to locate balloon as being in the vicinity and insufficient sighting details (no on-site investigation by competent investigator to resolve issues) to identify it as the IFO. (Sparks; Berliner; Taylor/Printy; BB files)	1 min	3	~1/3 to 2/3? (thru binocs) ~1/20 to 1/10 (naked eye)	binoculars
1567.	June 8-9, 1965. Turkey. (Sparks; McDonald list)				
1568.	June 29, 1965. Frankfurt, West Germany. (Sparks; McDonald list)				
1569.	July 3, 1965. Antarctica. (Sparks; McDonald list)				
1570.	July 6, 1965. Arlington, Texas. (Sparks; McDonald list)				
1571. 947	saw a flashing light, like a satellite. No further data in the files. (Sparks; Berliner)	< 1 min	1		
1572.	July 13, 1965. Penna. and Ohio. (Sparks; McDonald list)				
1573.	July 22, 1965. Forbes AFB, Kansas. (Sparks; McDonald				
1574. 955	list) Ully 25, 1965. Castalia, Ohio. 9:15 p.m. Amateur	10-15	1		
	astronomer M. D. Harris, 16, saw a bright blue star cross 90° of sky. (Sparks; Berliner)	secs	1		
1575.	July 31 - Aug. 3, 1965. Oklahoma. (Sparks; McDonald list)				
1576.	Aug. 1, 1965. Ent AFB, Colo. (Sparks; McDonald list)				
1577.	Aug. 1 and 2, 1965. Whiteman AFB, Missouri. (Sparks; McDonald list)				

15/8. Aug. 2, 1965. Justin, 1 exas. 2 farrant County deputy sheriffs saw an object as bright as bruming magnesium, land as they patrolled near Wagle Mountain Lake. Extensive investigation by police found no traces. (Sparks; Vallée Magonia 667)	1.550		1	1			<u> </u>
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2,300 ft away, surrounded with orange lights that weakened as a blue source came on, very intense for about							
weakened as a blue source came on, very intense for about							
3 secs. Then all lights disappeared and a sort of "shock-							
wave" effect shaking tree leaves ensued. Witness entered							
his house and called the USAF, 20 mins later his vision							
became hazy, eyes painful, gradually losing vision in both							
eyes, and his entire body was "sunburned." Medical exam							
compared symptoms to UV exposure. Vision came back							
gradually over several days. (Sparks; Vallée Magonia							
[677)			(677)				

1587.	9806	Aug. 19, 1965. Cherry Creek, New York. 8:20-9 p.m. (EDT). Mrs. William Butcher, son Harold, 17, and children [3 students?], heard radio interference and beeping sound in a barn, went outside to see 50 ft wide saucer like two plates lip-to-lip [elliptical?], 20 ft thick, shiny silver or chrome color with red glowing streamers [reddish vapor underneath?] and leaving a red-yellow trail, which landed nearby then rapidly ascended into the clouds turning the clouds bright green a few seconds later; burned gasoline odor; farm animals reacted and later reduced milk production. Object returned twice at 8:45 and 9 p.m. finally disappearing to SSW [or SW?]. Radio drowned out by static, a tractor engine stopped. Next day, a purplish liquid, 2 ft x 2 ft marks and patches of singed grass were found at the site by USAF Capt. James Dorsey and 4 technicians from Niagara Falls AFB. (Sparks; Berliner; cf. Hynek UFO Rpt pp. 170-2; Vallée Magonia 675, 684)	20 mins ??	5?		EM
1588.		Aug. 20, 1965. Plattsburgh, New York. (Sparks; McDonald list)				
1589.		Aug. 28, 1965. Glasgow AFB, Montana. (Sparks; McDonald list)				
1590.	9864	Aug. 30, 1965. Urbana, Ohio. 10:30 p.m. M. A. Lilly, N. Smith and T. Nastoff, saw a white ball, 5-8 ft in diameter and trailed by a 2-3 ft light, hit the road 100 ft in front of the witnesses' car, then bounce and fly away. (Sparks; Berliner)	3-4 secs	3	6-10	
1591.		Aug. 31, 1965. Nevada. (Sparks; McDonald list)				
1592.	9890	Sept. 3, 1965. 3 miles SW of Exeter, New Hampshire. 1-3 a.m. (EDT). Exeter Patrolmen Eugene Bertrand, Jr. and David Hunt, and Norman Muscarello saw a large silent, dark, elliptical object with a row of 5 bright red lights oriented about 60° to horizontal, move slowly and erratically around houses and trees at 100 ft height to SE [or 60-70 ft height 100 ft away], lighting up the ground and houses in red light, while lights blinked in sequence; falling leaf motion. Farm animals very noisy. Disappeared at 160° magnetic after covering about 135° arc [from NNE?]. (Sparks; Berliner; cf. Hynek UFO Rpt pp. 154-166; NICAP)	1 hour +	5	18	
1593.	9915	Sept. 3, 1965. Damon, Texas. 11 p.m. Brazoria County Chief Sheriff's Deputies Billy McCoy and Robert Goode saw a triangular object, 150-200 ft long, 40-50 ft thick at middle and dark grey, with a long, bright, pulsing, purple [violet?] light on the right side and a long blue light on the left side, approach to 150 ft off highway and 100 ft in the air. Purple light illuminated ground beneath object and interior of police car, and object cast a shadow in moonlight. Driver Goode felt heat on his left arm and an alligator bite on his left index finger, suddenly relieved of pain and later healed rapidly but unnaturally. They drove away in fear but returned later that night to find object still there. (Sparks; Berliner; cf. Vallée Magonia 694) Sept. 22, 1965. Clover, Minn. (Sparks; McDonald list)	5-10 mins + ?	2	80	
1595.	9970	Sept. 22, 1965. Clover, Minn. (Sparks; McDonald list) Sept. 25, 1965. Chisholm, Minn. 9:55 a.m. Bett Diamon saw 5 orange lights in a row fly fast and make an abrupt turn. (Sparks; Berliner)	1 min	3		

1596.	9971	Sept. 25, 1965. Rodeo, New Mexico. 10 p.m. Dr. George	6 mins	2		physical
1390.	99/1	Walton, physical chemist, and wife, saw 2 round white	O IIIIIS	2		chemist
		objects fly side-by-side, at 30-50 ft altitude, pacing the				Chemist
		witnesses' car. (Sparks; Berliner)				
1597.		Sept. 26, 1965. Licking County, Ohio. (Sparks;				
1077.		McDonald list)				
1598.		Sept. 29, 1965. Swanlake, New York. (Sparks;				
		McDonald list)				
1599.	10066	Oct. 4, 1965. West Middletown to Poast Town, Ohio.		4+		
		6:45 p.m. Mrs. Helen Tucker and 3 teenage girls driving				
		in a car turned S onto Brown's Run Road and saw a bright,				
		flashing red and white object, at one point with sparks				
		shooting off. As they drove W to Poast Town, the object				
		stopped flashing and appeared steady red and white (and				
		possibly bluish) and began moving fast (to the SW?)				
		toward the airport, then it landed past Carmody Blvd. on the river bank but before reaching the airport, where it				
		looked like a Christmas tree (lights?), a winged-fuselage				
		object with a possible cockpit dome, then lifted off like a				
		helicopter and looked like (red?) "hot metal." (Case data				
		missing.) (Berliner; Middletown <i>Journal</i> , Oct. 5, 1965)				
1600.		Oct. 7, 1965. Edwards AFB, Calif. Ground radar tracked				radar [gun
1000.		12 objects and USAF F-106 pilot sighted object(s).				camera
		(Sparks; Weinstein; McDonald list)				film?]
1601.		Oct. 14, 1965. Sawyer AFB, Mich. (Sparks; McDonald				
1001.		list)				
1602.		Oct. 23, 1965. 4 miles from Long Prairie, Minn. 7:15	3 mins +	9+	120	EM
		p.m. Radio announcer James F. Townsend driving W on				
		State Hwy 27 found road blocked by landed silver rocket-				
		shaped object about 30-40 ft tall, 10 ft wide, after his car				
		engine, lights and radio died, and he coasted to a stop				
		about 20 ft away. He got out and saw three small				
		brownish-black "creatures" with "tripod arms and				
		matchstick legs," no eyes or facial features, emerge from				
		behind the object, stand underneath in an intense lighted				
		circle, and stare at each other for 3 mins then they returned				
		to the object. A few secs later it lifted off and vanished by				
		turning off its lighting about 1/4 mile up. At that moment				
		the car restarted spontaneously and headlights came on.				
		No traces found on the ground. (Sparks; Hynek UFO Rpt				
1.602		pp. 206-8; Vallée Magonia 712)	1.2	1	60.70	EM
1603.		Jan. 7, 1966. 3 miles SW of Georgetown (5 miles NE of	1-2 mins	1	60-70	EM
		Wilmer), Alabama. 3:17 p.m. Civilian had to stop his car	+			
		when he found object landed on the road blocking his way. Round silver color object 10-12 [25?] ft diameter with 8-				
		10-inch ring or hoop at equator, 5 ft hatch on bottom, [and				
		a cone with a flashing green light?] hovered about 5 ft				
		above ground at 20 ft away, gradually climbed to NE,				
		engine [whirring?] noise increasing, then rapid				
		acceleration to disappearance in a few secs. Watch				
		stopped [engine had died and now could be restarted?].				
		[Sulfur or rotten-egg smell noted?] (Sparks; Hynek UFO				
		Rpt p. 42; Vallée Magonia 721)				
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1604.		Jan. 29, 1966. Rexburg, Idaho. 12:10 a.m. 2 civilians		2		1
1004.		returning from a sporting event saw what they first thought				
		was the moon. After driving for about 1/2 mile, they saw				
		it was a flat, well-defined object blocking the road, the size				
		of a truck, casting an intense yellow-orange light on the				
		ground. They turned around and drove back to Rexburg.				
		(Sparks; Vallée Magonia 724)				
1605.	10193	Feb. 2, 1966. Salisbury, North Carolina. 11:15 p.m. Mr.	1 hour	2		
		and Mrs. L. J. Wise saw a silver, diamond-shaped object				
		with several balls constantly in very fast motion around it,				
		and much light. Object hovered over the trees for 3-4				
		mins, while a dog barked, and then zipped out of sight.				
		(Sparks; Berliner)				
1606.	10196	Feb. 6, 1966. Nederland, Texas. 5:45 [6:05?] a.m. Mr. and	5-10	2 [3?]	1-2	EM
		Mrs. K. R. Gulley saw tadpole-shaped object about 14 ft	mins			
		long 2 ft wide with 8 yellow and red neon-like lights at				
		250-500 ft altitude, casting a pulsating red glow on the				
		lawn. House and street lights went out, high frequency				
		sound bothered the witnesses' ears. Object blinked out				
		when aircraft passed overhead then came on again				
		afterward. Object departed to W [or from W to SW] about				
		1-1/2 miles to vicinity of airport, where an aircraft's				
		landing lights lit up UFO, then disappeared about 20°-25°				
		elevation in a slow climb. (Sparks; Hynek UFO Rpt pp.				
		186-8; Hynek UFO Exp ch. 8, case CEI-3)				
1607.		Feb. 16, 1966. Brunswick NAS, Maine. 8:30 p.m. A				
1007.		luminous object flashing red, blue, and green lights,				
		landed in the woods. A second object was later seen to				
1.000		join the first one. (Sparks; Vallée Magonia 726)		1	100	EM
1608.		Feb. 26, 1966. 5 miles E of Farmington, 5 miles W of		1	100	EM
		Hanna City, Illinois. Civilian witness was driving when a				
		flying oval object, the size of a car, came within 10 ft of				
		him, then circled twice and left toward the N. It emitted a				
		bright red glow, supported a sort of dome with a green				
		light on top, caused radio interference, and made a strange				
		"signallike noise." (Vallée Magonia 727)				
1609.		March 3, 1966. Oswego, New York. 7:20 p.m. Several		sever		
		civilians saw an object fly slowly to the S, hover, come		al		
		within 50 ft, then fly off to the SW. (Sparks; Vallée				
		Magonia 728)				
1610.		March 17, 1966. Milan, Mich. 12:00 midnight. Police		1	50	EM
		officer with 10 yrs experience saw a 50 ft diameter object				
		in the SW he thought was a plane crashing, though				
		soundless. He tried to contact police headquarters, but his				
		radio did not work. Object now with colored lights				
		spinning at the periphery came within 80 ft of the patrol				
		car, following it for 1/2 mile, then flew off to the NW.				
		[Another sighting by police in the area at 4:25 a.m.]				
		(Sparks; Vallée Magonia 730)				
1611.	10247	March 20, 1966. Miami, Florida. 12:15 a.m. USAFR	5 mins	1		[aerospace
1011.	10217	Maj. K. C. Smith, with NASA Kennedy Space Center, saw	2 111113			engr??]
		a pulsating light, varying from white to intense blue, make				Çiigi : : j
		a jerky ascent then rapidly accelerate away to the N.				
		(Sparks; Berliner)				
		(Oparks, Definier)	l			

1610		Manale 20, 1066, Danton Mich. 0, 0:20 F1	1 /2 1	2 :	1.5	
1612.		March 20, 1966. Dexter, Mich. 8-8:30 p.m. Frank	1/2 hr	2+	1.5	
		Mannor and his son, Ronald [plus 40-60 others including		40-60		
		12 policemen ?] saw hovering over a swamp about 1,500		?		
		ft away a brown luminous car-sized object, with a "scaly"				
		or "waffled" [or "quilted"] surface, cone-shaped on top,				
		flat on bottom, or football-shaped, and 2 bluish-green				
		lights on right and left edges that turned bright red and				
		helped illuminate object in between. Lights blinked out				
		and object reappeared instantly across the swamp 1,500 ft				
		away. The whole object lit up with a yellowish glow at				
		one point and also rose up 500 ft then descended again.				
		After 2-3 mins of viewing, when 2 flashlights appeared in				
		the distance the object seemed to respond by flying away				
		at high speed directly over the witnesses with a whistling				
		sound like a rifle bullet ricocheting. Object remained in				
		the swamp area for 1/2 hr. [Various other sightings in the				
		area by police shortly afterward.] (Sparks; Vallée				
1612		Magonia 731; Todd Lemire; etc.)	9 + 5 5	10+	1 (5/0	madiae - 4::
1613.		March 21, 1966. Hillsdale, Mich. 10:32, 11 p.m4:30	? + 5.5	18+	1.6 [6°	radioactivit
		a.m. 17 Hillsdale College students including Barbara	hrs +	[87?]	equiv in	y; binoculars
		Kohn [Cole?] and Cynthia Poffenberger saw a football-			binocs]	binoculars
		shaped object with red-green-white pulsating lights				
		descend from the NE pass close to their dorm then disappear to the S as if crashing to the ground, then return				
		at 11 p.m. William Van Horn, Civil Defense Director and				
		rated commercial pilot, and police arrived and conducted a				
		ground search 1/2 to 2 miles away to the E but found				
		nothing until Van Horn reached the college dorm where				
		he, using binoculars, and [87?] students saw a				
		maneuvering lighted 20-25 ft object on or near the ground				
		about 1,500-1,700 ft away to the E, with a dirty-white light				
		on the left and dim orange on the right, which brightened				
		after 10 mins to white and red and began to rise at a rate of				
		25-30 ft/min to a height of 100-150 ft (about 3-6 mins),				
		stopped momentarily then descended and repeated the				
		motion several times. At one point on a descent a				
		"convexed" surface (between?) the lights could be seen.				
		Radiation was later detected at the landing area about 330				
		to 600 microroentgens/hr [milliroentgens/hr?], roughly				
		10-60x background level, and possible boron				
		contamination. (Sparks; Vallée Magonia 732; Todd				
		Lemire; etc.)				
1614.	10262	March 22, 1966. Houston, Texas. 1:30 a.m. S. J.	4 mins	1		
		Musachia saw white flashing lights light up witness'				
		apartment; the air was full of smoke. Sound of "yen"				
		[hen??] heard up close. (Sparks; Berliner)				
1615.		March 23, 1966. Fort Pierce, Florida. 2 young men		2		
		walking through woods saw a bright object like a balloon		_		
		covered with fluorescent paint that became so intensely				
		bright they could not look directly at it. As they walked				
		closer, it exploded, leaving no trace. (Sparks; Vallée				
		Magonia 733)				
		<u> </u>				1

1616.	10270	March 23, 1966. Temple, Okla. 5:05 a.m. Sheppard AFB instructor Eddie Laxson was driving W on US Hwy 70 he found the road blocked by a wingless aircraft, perch fish-shaped, landed in the road, about 75 ft long, nearly 8 ft		2	140	
		high, 12 ft wide, with a plexiglass bubble on top, bright lights forward and aft. Laxson stopped his car about 300 ft away and walked toward the object to 50 ft away, noticing				
		a labeling on its side like "TLA138" or "TLA738" [or "TL 4768"]. He saw a "man" wearing a baseball cap or				
		mechanic's hat climbing steps or ladder on the object and soon after it lifted off with a hissing or drilling sound and headed off SE at about 700 mph. No landing traces.				
		Laxson found another witness C. W. Anderson a mile down the road. (Sparks; Hynek UFO Rpt pp. 208-210;				
1617		Vallée Magonia 734)		2		
1617.		March 24, 1966. Sheboygan, Wisc. 10:15 p.m. 2 women saw a glowing bowl-shaped object on the road hovering, with 2 intense white lights, and green and red light. They		2		
		lost sight of it driving away but saw it again later, flying				
1618.	10291	low on a S-N trajectory. (Sparks; Vallée Magonia 735) March 26, 1966. Texahoma, Okla. 12 midnight. Mrs. P.	10 mins	2		EM
		N. Beer and Mrs. E. Smith driving back from Amarillo	?			
		saw a flashing light [or object with waffle-like surface				
		glowing intense red light] coming from the N buzz their car from the front, engine and headlights died, then the				
		object hovered 1/4 mile away. After 10 mins they could				
		restart their car and left. (Sparks; Berliner; cf. Vallée				
1.510		Magonia 738)				
1619.		March 28, 1966. Fayetteville, Tenn. 8 p.m. Man driving		1		EM
		60 mph suddenly saw a large lighted object 3 ft above the road on a hilltop, which flew off, as the car engine and				
		headlights died. Headlight bulbs later had to be replaced.				
		Object was oval, 25 ft long, dark gray, with about 30 lights				
		along its periphery. (Sparks; Vallée Magonia 739)				
1620.	10329	March 30, 1966. Ottawa, Ohio. (Sparks; NARA)				
1621.		March 30, 1966. 10 miles N of Lexisburg, Indiana. 8:35	10 mins	5		
		p.m. Civilian woman and her 4 children saw an oval object crossing the road as they were driving S, with a	?			
		pulsating sound increasing in frequency as the object came				
		nearer, but it seemed to come through the car radio rather				
		than the object. They drove away in fear, but were				
		followed for 8 miles by the object, with color suddenly				
		changing from reddish-orange to bluish-white before accelerating out of sight. (Sparks; Vallée Magonia 741)				
1622.		April 1, 1966. 5 miles S of Tangier, Okla. 10:40 p.m.		1		EM
		Civilian man, 34, while driving reached a hilltop and saw a		-		
		green object wider than the road flying N at very high				
		speed, emitting a shrieking noise and a "heat wave." Car				
1623.		engine died. (Sparks; Vallée Magonia 746) April 4, 1966. <1 mile SE of Hague, Florida. 6:05 a.m.	4 mins	1		
1023.		Civilian man, 40, saw an elongated object on the ground as	7 1111115	1		
		he was going to work, 6 ft long, 2 ft high, with 6 4-inch				
		openings, making a "turbine" noise so loud the witness had				
		to put his hands over his ears. When he tried to touch it,				
		the object left at great speed to the W vanishing suddenly				
		after several feet of travel. Rain fell throughout. (Sparks; Vallée Magonia 748)				
	l	, and magonia , 10)	I .		ı	

1624.	10385	April 5 1066 I vooming Novy Vorle 2 am I illian	1 min	1	50.9	
1024.	10383	April 5, 1966. Lycoming, New York. 3 a.m. Lillian Louis, 42, went to get a glass of water in her kitchen and	1 min	1	50 ?	
		saw a spinning vapor-like sphere, 10 ft in diameter,				
		shooting its exhaust onto the ground from 20 ft height near				
		her house, which departed very suddenly, leaving a trail.				
		(Sparks; Berliner; cf. Vallée Magonia 751)				
1625.		April 5, 1966. Kittery, Maine. 7 p.m. 4 people saw a		4		binoculars
		landed object through binoculars which took off, hovered				
		for a while, and left. (Sparks; Vallée Magonia 752)				
1626.	10384	April 5, 1966. Alto, Tenn. 11:55 p.m. W. Smith and	2.5 hrs	2		
		another stopped to watch an object hovering about 15 ft				
		above a swamp, tried to follow it but it flew away. Object				
		100 ft long oval with a dark top, appearing cone-shaped				
		when moving, making a high-frequency noise, and flying				
		between a high-tension power line and a row of trees.				
		Animal reactions wherever the object flew over. (Sparks;				
		Berliner; cf. Vallée Magonia 753)				
1627.		April 11 [10-11?], 1966. Greensburg, Penna. 12		1	20	
		midnight. Civilian man, 43, saw a well-defined cigar-				
		shaped object 50 ft long with no wings, tail or wheels,				
		with flashing red light, 15 ft above ground, 300 ft away.				
		Object rose, was lost in the fog, then came back at treetop				
		level with a strong whistling sound. (Sparks; Vallée Magonia 756)				
1628.		April 17, 1966. Portage County, Ohio, bet. Atwater and	1 hr 10	many	4 ?	
1020.		Randolph, Ohio, to Pittsburgh, Penna. 5-6:10 a.m. (EST).	mins	illully	7.	
		E of Akron Deputy Sheriff Dale F. Spaur and associate	1111110			
		Wilbur Neff saw a 30-45 ft metallic object approach over				
		the treetops from the woods, bathing the witnesses and the				
		whole area in light while making a transformer-like hum,				
		then headed E and they gave chase in the patrol car at				
		speeds up to 105 mph for 85 miles. Officer Wayne Huston				
		about 35 miles to the ESE saw the object he described as				
		ice cream cone-shaped, point downwards, approach from				
		the W and pass overhead at about 800-900 ft height with				
		Spaur and Neff in pursuit to the SE and he joined them				
		near Unity, Ohio, with the object about 1/2 to 3/4 mile				
		ahead of them, reaching the Penna. state line at 5:35. They				
		lost sight of object at Brady Run Park regained it in				
		Bridgeport, Penna. At about this time officers Lonnie				
		Johnson and Ray Esterly in Salem, Ohio, saw 3 jet fighters				
		[two F-102's] attempting to intercept a bright object at				
		about 10,000-20,000 ft about 25° elevation to the E for about 2 mins. In Conway, Penna., at 6 a.m. they met with				
		officer Frank Panzarella who had been watching the object				
		for 10 mins to the E or SE which he described as 25-35 ft				
		half-football-shaped object at about 1,000 ft height (or				
		1,500-2,000 ft according to the others), when it stopped in				
		the NE towards Harmony, Penna, then rose. They watched				
		as the object climbed to about 3,500 ft to the left of and				
		level with the quarter moon in the ESE (which was at				
		about azimuth 116° elevation 14° aand 11% illuminated at				
		6:00 a.m.) and Venus (at 122° azimuth 22° elevation) and				
		it passed near a 707 airliner taking off from Pittsburgh				
		Airport and disappeared shooting up vertically at about				
		6:10. (Sparks; Hynek UFO Exp ch. 8; NICAP)				

1629.		April 17, 1966. Millersville, Texas. Daytime. Man in a car saw an sun-reflecting oval, car-sized object follow him, then cross the road behind at 15 ft height. (Sparks; Vallée Magonia 758)		1		
1630.		April 18, 1966. Battle Creek, Mich. 10:10 p.m. 42-year-old witness driving a car saw an egg-shaped object, 75 ft long, 15 ft high, gray-colored, following from a distance of 75 ft. Object had a cockpit with windows and 3 rows of lights, emitted red flames, and made the same noise as a heavy truck on wet pavement. (Sparks; Vallée Magonia 759)		1	80-100 ?	
1631.		April 22, 1966. Beverly, Mass. 9-9:45 p.m. Witnesses including 2 policemen spread over a distance of saw a platter shaped object the size of a large automobile, with 3 red-green-white lights, no sound, hover over Beverly High School then depart to the SW. At one point witnesses saw the object only 20-30 ft over the head of another witness. (Sparks; Hynek UFO Exp ch. 8, case CEI-5; cf. Condon Rpt Case 6)	45 mins	10	100 ?	
1632.		April 24, 1966. Ashby, Mass. 6:10 p.m. 2 men saw a silent object with a bright blue light on top dive within 100 ft of their car, then suddenly accelerate, and was lost to sight toward Mt. Watatic. (Sparks; Vallée Magonia 765)		2		
1633.		April 26, 1966. Follansbee, West Virginia. 11:30 p.m. Young man saw a silent 30 ft object shaped like two bowls glued together, at 100 ft altitude, ahead of his car. He drove away without looking behind. (Sparks; Vallée Magonia 766)		1	30 ?	
1634.		April 30, 1966. Sacramento, Calif. 3:15 a.m. Anita Miller saw a light move around the sky. No further detail in files. (Sparks; Berliner)	2.5 hrs	1		
1635.		May 4, 1966. Charleston, West Virginia. 4:30 [3:40?] a.m. FAA air traffic controller tracked an unidentified non-transponding target about 5 miles to the 11 o'clock position from Braniff Airline Flight 42 headed E at 33,000 ft, which crew saw high above as a white-blue object giving off brilliant flaming light of alternating white-green-red colors. Radar showed object veering away to 8-10 miles away at 10 o'clock position, then come at the Braniff airliner to 3 miles distance then made a 180° left turn to the NW again within a diameter of 5 miles at 1,000 mph [5 g's] which the Braniff crew confirmed with object descending from 20° elevation above horizon. (Sparks; Hynek UFO Exp ch. 7, Case RV-2)	5 mins	3+		RV
1636.	10535	May 7, 1966. Goodfellow AFB, Texas. 9:55 p.m. A/3c W. L. Whitehead saw a short, cylindrical object with pointed ends, a yellow light at one end, blue light at the other, fly straight and level. (Sparks; Berliner)	35 secs	1		
1637.	10626	June 6, 1966. Spooner, Wisc. 9:30 p.m. Dorothy Gray saw 2 domed discs with sparkling upper surfaces and square windows in their tops, revolve above a lake, apparently causing strange behavior of the lake water. (Sparks; Berliner)	25 secs	1		

1(20	10(20	L 0 10((D.t V 1T-1-1-01: (.45	1	1	100.9	
1638.	10629	June 8, 1966. Between Kansas and Toledo, Ohio. 6:45	1 min.	1	100 ?	
		a.m. Max Baker, 43,. driving W on Sandusky Road,				
		suddenly saw a bright silver, cigar-shaped object, as long				
		as an airliner, silently buzz the witness' car to 100 ft				
		distance then flew low to the NE. (Sparks; Berliner; cf.				
		Vallée Magonia 771)				
1639.		Jun. 13, 1966 Milan, Mich. Policeman who saw the		1		
		object over Milan on March 17 saw another object on the				
		ground at a street intersection. He drove toward it with his				
		headlights illuminating the object, which took off like an				
		airplane, flying away to the SE. (Sparks; Vallée Magonia				
		773)				
1640.	10663	June 18, 1966. Burnsville-Mt. Mitchell, North Carolina.	5 hours +	4		binoculars
		12:30 a.m. 4 Boy Scout campers, including Sterrett, using				
		binoculars saw a red bell-shaped object with 3 flashing red				
		lights hover then land 700 ft away, remaining all night,				
		joined by 6 other objects, then rose at dawn. Broken trees				
		and other traces found. (Sparks; Berliner; cf. Vallée				
		Magonia 776)				
1641.		June 23, 1966. Hamburg, New York. 9:30 p.m. Civilian		4	6	
		woman, 63, was reading when an intense red light lit the				
		ground near her house. She went outside and saw a 3 ft				
		lighted object 60 ft away, which backed up and flew away				
		"like a bullet." 3 other witnesses in the next house.				
		(Sparks; Vallée Magonia 777)				
1642.	10693	June 26 [27?], 1966. Pacific, 400 miles E of Wake Island	ca. 17-25	7-8	3 (or 6-8	binoculars
		(at 19°21' N, 170°30' E). About ca. 1540-1605 GMT	mins		?)	
		June 26; 3:40-3:45 to 4:02-4:05 a.m. June 27 local time				
		[UTC+12]. Navigator 2nd Mate Donald L. Rominger,				
		Chief Mate Robert Freind, Radio Officer Steffen				
		Sorensen, Seamen W. Meeker, S. Bell, C. Morris and W.				
		Prip, and the ship captain, of the steamship Mt. Vernon				
		Victory (US Registry 284178), en route great-circle course				
		from Guam to Honolulu on heading 80° (True) at about 16				
		knots, sighted bright white light like the planet Venus and				
		first thought to be Venus, low on the horizon dead ahead				
		(or 60° azimuth per ship $\log_{10} = 20^{\circ}$ left of dead ahead). At				
		elevation 5° the light began flashing with on-off square-				
		wave light curve at 1-second intervals and developed a				
		surrounding "halo" about 3x Full Moon angular size with				
		a bright luminous translucent "cloud" with the light at the				
		center. At azimuth 100° elevation was 40°. Object				
		hovered "overhead" at some point (per ship log) for 10				
		minutes [?] estimated altitude about 10,000 ft and central				
		object about 600-700 ft [thus combined yield angular size				
		about 3° to 4°]. Object came closer when at about azimuth				
		215° elevation ~30°, began to accelerate to the SW and				
		rise leaving the luminous cloud behind to dissipate.				
		Disappeared in 3 mins by climbing "straight up" at high				
		speed, growing dimmer and disappearing "unaccountably"				
		at about azimuth 260° [about W] elevation 40° [or azimuth				
		220° elevation 20° ??]. (Sparks; Berliner; CUFOS)				
	L	(Spains, Definier, COLOB)	1		l	

1642	10720	July 11 1066 Union Vielence d Donne 7:45 n m	1 1	2 [49]	90.9	
1643.	10739	July 11, 1966. Union-Kirkwood, Penna. 7:45 p.m.	1 hr	2 [4?]	80 ?	
		Carl Wood and Charles Hawthorne [and 2 women?] saw a	[90			
		large (100 ft wide, 20 ft high) bright red luminous object	mins?]			
		with small windows and yellow lights 100 ft away in a				
		field. Object had small openings, emitted a humming or				
		whirring noise, seemingly from the outside, and a grinding				
		noise from inside. (Sparks; Berliner; cf. Vallée Magonia				
		779)				
1644.	10781	July 25, 1966. Between Greenville and Vanceboro, North	1 hr	1		
		Carolina. 1-2 a.m. College student James Clark saw a				
		pulsating object change color from orange to red to blue to				
		green and back to orange, which followed his car through				
		the woods at high speed up to 100 mph, then stopped and				
		hovered over the car from 300 ft away about 50 ft high,				
		wobbling on its axis, approached to 100 ft, then shot out of				
		sight vertically in <5 secs. (Sparks; Berliner; cf. Vallée				
		Magonia 782)				
1645.	10798	July 31, 1966. Presque Isle State Park, Erie, Penna. 7:25-	5 mins	4		
		7:30 [8:25?] p.m. Douglas Tibbetts, 16, Betty Klem, 16,				
		Anita Haifley [?], 22, and Gerald Labelle, 29, saw a square				
		or hexagonal [or mushroom-shaped?] object with edges lit				
		or reflecting light, [sweeping the area with a light beam?],				
		come tumbling down erratically from right to left, stopped				
		5 ft-10 ft above the beach 1,000 ft away and settled				
		heavily down. A circle of spotlights at top were visible				
		when it was on the ground [and a strange 6 ft tall being].				
		(Sparks; Berliner; cf. Vallée Magonia 784)				
1646.		Aug. 6, 1966. Harlingen, Texas (26.18° N, 97.69° W). 2		4-5		
1040.		p.m. Civilian man and his family saw a dark object hover		7 3		
		near their isolated house. 3 children saw a dwarf in shiny				
		black coveralls through a square "door" emitting yellow				
		light in the object, which left slowly with a soft humming				
		sound. See later incident on Sept. 3. (Sparks; Vallée				
		Magonia 786; Saunders/FUFOR Index)				
1647.	10872	Aug. 19, 1966. Donnybrook, North Dakota. 4:50 p.m.	5 mins	1 [2?]	14	
1017.	100/2	U.S. Border Patrolman Don Flickinger saw a bright, shiny,		1 [2.]		
		round disc, 30 ft in diameter and 15 ft high, colored white,				
		silvery or aluminum, floating down the side of a hill				
		wobbling from side to side about 10 ft off the ground. It				
		moved across a valley from the SE climbing to 100 ft				
		height, hovered for 1 min over a reservoir in a horizontal				
		position when a dome on top became visible, appeared				
		about to land in a small field about 250 ft away, then tilted				
		on edge and rose up into clouds at high speed. (Sparks;				
		Berliner; cf. Vallée Magonia 788; Jan Aldrich)				
1640				+		
1648.		Aug. 23, 1966. Da Nang, Vietnam (16° 4' N, 108°14' E).				
		(Sparks; McDonald list)				
1649.	10888	Aug. 23, 1966. Columbus, Ohio. 7 p.m. Broomall and	15 mins	2		
		Gilpin saw a circular, luminous white object split into 5				
		objects, all streaking away to the W. (Sparks; Berliner)				
			ı	L		ı

1650.		Aug. 24, 1966. Minot AFB, North Dakota. 10 p.m.	nearly 4	many		radar-
1030.		USAF Airman 3rd Class Turner saw and reported by radio	hrs	many		visual, EM
		a multi-colored light high in the sky. USAF Airman 2nd	ms			visuai, Eivi
		Class Aldrich sight white light to the E between 75° and				
		110° near the horizon. Location estimated 75 miles N of				
		Minot AFB at altitude 30 miles (160,000 ft). Missile				
		Combat Crew Commander Capt Smith in underground				
		Minuteman nuclear ICBM silo of Mike Flight 60 ft below				
		surface reported radio interference static when UFO				
		approached missile site from SE at undetermined distance.				
		UFO hovered from 10:57 to 11:12 p.m. at 100,000 ft [?]				
		then descended and began to "swoop and dive," then				
		seemed to land 10-15 miles S of missile silo M-6. Strike				
		team sent to this location at 11:20 p.m. confirmed the				
		object and reported radio interference about 10 miles from				
		UFO landing site, about 5-8 mins later UFO darkened and				
		took off. F-106 fighter interceptor from 5th Fighter				
		Interceptor Sq at Minot AFB was scrambled at 12:19 a.m.				
		but could not detect object at the vartious altitudes				
		checked. Second object, white, was seen to pass in front				
		of clouds. ADC radar site Z-28 detected and tracked an				
		object at heights up to 100,000 ft down to 4,000 (4,400) ft				
		at 95 miles to the N at azimuth 357°. Also tracked [by				
		Minot South Base radar?] between 2,400 and 8,200 ft to N				
		at 75 miles azimuth 360°. Sightings made by 3 different				
		Minuteman ICBM missile sites in Mike and November				
		Flights, including M-4, M-6 and n-7, near Carpio and				
		Grano, ND. Radio interference was noted by teams sent to				
		locations where object was hovering at ground level.				
		(Sparks; BB files on NICAP website; Vallée Magonia				
		791; Saunders/FUFOR Index)				
1651.	10899	Aug. 26, 1966. 2 mi SE of Gaylesville, Alabama (at	~4 mins	5	$1/5$ to $\frac{1}{4}$	scientist
		34.236° N, 85.536° W). $8:51 \pm 1$ to $8:55 \pm 0.5$ p.m. (CST).			(individu	
		NASA Marshall Space Flight Center (MSFC) Aero-			al lights)	
		Astrodynamics Lab, Aerosphysics Division, Huntsville,			increasin	
		Ala., M.S. aerospace engineering PhD-candidate Buford			g to 2 at	
		H. Funk, Jr., wife and their 3 children were driving SW on			closest	
		Hwy 9. After turning NW on Hwy 35 [2 mi SE of				
		Gaylesville] Mrs. Funk saw a cluster of 4 small, glowing,				
		orange-yellow lights in a triangular formation (4th light in				
		the center) and several seconds later called it to attention				
		of Mr. Funk who stopped at the side of the road at the				
		Hwy 68 intersection (at 34.265° N, 85.561° W) in				
		Gaylesville at 8:53 ±1 p.m. UFO in the NNE about				
		azimuth 25° to 35° near a zigzag group of stars [Perseus				
		about 5° to 10° elevation] turned about 90° from S or SE				
		heading to SW heading. They drove about ½ mile further				
		NNW on Hwy 35 then stopped again at the side of the				
		road (at about 34.272° N, 85.563° W) as the UFO came directly over their car. Funk rolled down the window but				
		1				
		heard no sound. Center light made rapid motions forward				
		and backward relative to the triangle lights at a rate of 5-7 movements per second. UFO disappeared in the distance				
		to the W or WSW. (Sparks; BB files; Berliner;				
		Saunders/FUFOR Index)				
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1.650	10017	Cont 1 1066 Willshom Now Voil 2.45 T. H.	20	1		1
1652.	10917	Sept. 1, 1966. Willsboro, New York. 2:45 p.m. T. H.	30 mins	1		
		Ridman [Kidman?] saw an oval object with lights flashing				
		red and white, occasionally blue, fly W, then disappear				
		downward, returning several minutes later with a loud				
		noise. (Sparks; Berliner; Saunders/FUFOR Index)				
1653.		Sept. 3, 1966. Harlingen, Texas (26.18° N, 97.69° W). 2		2		
		p.m. 2 children went outside when the TV set became				
		blurred and they saw a fantastic spinning light illuminating				
		the house coming from an object hovering at the same				
		location as the earlier sighting on Aug. 6. (Sparks; Vallée				
		Magonia 793 cf. 786; Saunders/FUFOR Index)				
1654.		Sept. 5, 1966. Finland AFS, Minn. Johnson. (Sparks;				radar
1051.		McDonald list; Saunders/FUFOR Index)				rudui
1655.		Sept. 5, 1966. Texas. Evening. Civilian man saw a		1		
1033.				1		
		peculiar light phenomenon and a small figure that				
		appeared to enter a bedroom. The figure was not seen				
		again. (Sparks; Vallée Magonia 794)				
1656.	10933	Sept. 6, 1966. Suffolk County AFB, New York. 6:50 p.m.	8 mins	2		
		Stahl and Ladesic saw a white cylinder of light come from				
		the E at high speed, stop and hover for 3 mins, then turn				
		and slowly disappear. (Sparks; Berliner)				
1657.	10942	Sept. 9, 1966. Franklin Springs, New York. 9 p.m.	30 mins	1		
		Jacobson saw a solid object, larger than an army tank, with				
		3 horizontal bands of light-blue, red and green lights [or				
		lighting] all around it, descend from a cloud bank with a				
		low humming [or soft whirring] sound, slow down and				
		land, and disappear into woods. (Sparks; Vallée Magonia				
		796)				
1658.	10944	Sept. 13, 1966. Stirum, North Dakota. 7:30 a.m. Randy	5 mins	1		photos ?;
1050.	10711	Rotenberger, 11, saw a silvery-grey elliptical [or disk-	3 111113	1		radioactivit
		shaped] object with a clear bubble dome on top, tripod				
						У
		landing gear, 2 red lights, 2 white lights, 1 green light,				
		hover about 1 mile away, then land within 900 ft making a				
		low-pitched whine and taking off so fast it just "vanished."				
		USAF Lt. Col. and a Gwinner, ND, businessman				
		investigated, found compact landing indentations 7 inches				
		deep and radiation level 100 microroentgens/hr (5-10x				
		background level). (Sparks; Berliner; cf. Vallée Magonia				
		797)				
1659.	10973	Sept. 28, 1966. Wilmington, Ohio. 3:38 p.m. Clarke saw	90 secs	1		
		3 round, oval-shaped, aluminum-colored objects with				
		rotating rings around them, 2 remained stationary, while				
		the 3rd varied its altitude. (Sparks; Berliner)				
1660.	10996	Oct. 5, 1966. Osceola, Wisc. Several members of a	20 mins	sever	1?	
		family saw a small, bright orange, moon-shaped object		al		
		stationary in the NE for about 20 mins, then suddenly take		-,-		
		off very fast to the WNW. (Sparks; Berliner)				
1661.		Oct. 23 [30?], 1966. Southhampton, Long Island, New	4 mins	1		
1001.		York. 6 p.m. Mr. Acquino [Aquino?] saw an object with	7 111113	1		
		arms in front of it which sparkled like an arc-light, fly S				
		along some power lines, then turn SW, with a slight				
		humming sound. [Same as Oct. 30 case?] (Sparks;				
		Berliner)	1]

1662.	11092	Oct. 26, 1966. Cold Bay AFS, Alaska. No time given.	3 secs	1		binoculars?
1002.	11092	Civilian control tower operator Ralston saw a white object	3 8608	1		omoculars?
		approach runway at 50 ft altitude. When runway lights				
		were turned on the object accelerated and climbed away so				
		fast the witness was unable to use binoculars. (Sparks;				
1663.		Berliner) Oct. 30, 1966. Southampton, New York. [Same as Oct.				
1003.		23 case?] (Sparks; Saunders/FUFOR Index)				
1664.		Nov. 6 or 13, 1966. 3 miles W of White Plains, New	1+ min	2	1	
1004.		York. 7:30 p.m. Chief Engineer of radio station WFAS	1 ' 111111	2	1	
		and his Asst. saw rectangular object emitting steady bluish				
		light moving slowly to the N while beaming light towards				
		station's parking lot. No sound. Object had blue-black				
		sky appearing through the middle [?]. [Plastic hot-air				
		balloon?] (Sparks; Tony Rullan)				
1665.	11135	Nov. 8, 1966. Saginaw, Mich. Night. College graduate	5 mins	1		
1005.	11133	Annis saw a group of lights flash and change color while	5 111115			
		hovering, almost touching the road, then abruptly				
		vanished. (Sparks; Berliner)				
1666.		Dec. 18, 1966. E Lake Tiorati, Bear Mtn. State Park, New	5-7 secs	2?		photo
1000.		York. 4:40 p.m. Witness looked up and saw a silver-	0 , 5005			photo
		brown domed-disc in the W at 45° elevation heading NE,				
		wobbling, noiseless, disappear over and behind a fire				
		tower on a 1,320-ft hill about 1/2 mile away, after taking a				
		photo. (Sparks; Hynek UFO Rpt pp. 239-245)				
1667.	11239	Dec. 25, 1966. Monroe, Oregon. 3:30 [?] a.m. Civilians	90 mins	4+		
		and military personnel saw 3 round objects, as large as				
		cars, give off vapor, then became 3 bright reddish-orange				
		lights. Blast at beginning of sighting pushed one witness				
		against a car. (Sparks; Berliner)				
1668.		Dec. 30, 1966. Haynesville, Louisiana. 8:15 p.m.		1		physics
		Physics professor Dr. Galloway driving through a wooded				prof
		area saw a bright, pulsating glow, changing from orange to				
		white, in the woods about 1 mile away, estimated visible				
		light power output at about 1 megawatt. Coming back the				
		next day, he located traces of burns, and called the USAF				
		and University of Colorado UFO project. (Sparks; Vallée				
		Magonia 808; Condon Rpt pp. 277-280; Richard Hall				
		NICAP letter Mar. 3, 1967)				
1669.		Jan. 5 [25?], 1967. Winsted [Howard Lake?], Minn. 4:30		1		EM
		a.m. Civilian man [Lenz?], 32, driving to work stopped to				
		check his 1964 Chevy truck when its engine stalled. He				
		then saw an intense light to his right, coming closer, then				
		landing on the road, so he locked himself inside the truck.				
		Object 75 ft diameter 30 ft high settled on tripod landing				
		gear, an elevator-like device came down, and a man				
		dressed in blue coveralls with "a glass fishbowl on his				
		head," of medium height, seemed to check something then				
		left. (Sparks; Vallée Magonia 812; Saunders/FUFOR				
		Index)				

1670.	Jan. 7, 1967. Goose Bay AFB, Labrador, Canada (53.3°	5+ mins	3+		radar-
	N, 60° W). 11:00-11:05 p.m. (AST). Goose AFB Radar				visual
	Air Traffic Control (RATCON) radar detected target at 30				
	miles SW, when target was at 4-6 miles S traveling at very				
	high speed, Goose RATCON notified ADC radar site FPS-				
	93 ground radar operators at the 641at AC&W Squadron,				
	which tracked target at 180° (South) for first 8 sweeps at				
	200 knots (230 mph) then 4 sweeps at 2,100 knots (2,400				
	mph). Target lost over Goose AFB. Radars on different				
	frequencies. USAF MAC C-97 [C-54?] pilot Lt Col				
	Gorecki was on approach to Goose runway 27 [heading				
	W] when he sighted moving star-like steady white light				
	visually at estimated 5,000 to 7,000 ft overtaking his 160-				
	knot [180 knots?] aircraft [at 7,000 ft? headed N?].				
	[Object heading 015° True at high speed, disappeared in				
	the N.] (Sparks; BB files; NICAP; Project 1947)				
1671.	Jan. 13, 1967. SW New Mexico, NW of El Paso, Tex., to	29 mins	4+	90+?	RV
	Flagstaff-Winslow, Ariz. 10 p.m. Pilot Carl M., an FO,				
	and a passenger Jimmie Moran on a Lear Jet 23 en route				
	from Houston, Tex., to Las Vegas, Nev., at 41,000 ft and				
	300 knots airspeed (Mach 0.82 or about 540 mph TAS) on				
	a 300° heading saw a flashing [?] red oval luminous object				
	in the 10 o'clock position. Object split into 4 similar red				
	oval objects vertically a number of times, each separated				
	by about 2,000 ft and each emitting a "red ray," then				
	retracting the lowest objects up into the top object.				
	Albuquerque radar tracked the object 39 miles ahead of				
	the Lear jet moving on the same heading, with no				
	transponder signal and at that moment the object blinked				
	off visually for 30 secs then blinked on. Albuquerque				
	control contacted a National Airlines DC-8 over Casa				
	Grande, Ariz., whose pilot confirmed the Lear pilot's				
	reports. Albuquerque control warned the Lear that the				
	object suddenly darted towards the Lear at high speed				
	within secs until the radar blips merged [possibly 39 miles in 10 secs or roughly 14,000 mph]. Object flooded the				
	Lear with intense red light so bright the pilot had difficulty				
	seeing his instrument panel, and it maintained position in				
	front of the Lear for a few mins then, then blinked out then				
	came on again and started falling back behind the left				
	wing, then pulled forward again. (Sparks; When the				
	object blinked off radar at Albuquerque controllers would				
	lose the object then regain it when it blinked on again (?).)				
	Both UFO and Lear jet made left turns over Winslow,				
	Ariz., then Los Angeles Center radar picked up both				
	targets. Past Flagstaff the object climbed at a 30° angle				
	disappearing to the W in <10 secs. (Sparks; Hynek UFO				
	Exp ch. 7, case RV-1; NARCAP; BB files??)				
1672.	Jan. 16, 1967. Charleston, South Carolina. (Sparks;				
	McDonald list)				
1673.	Jan. 26, 1967. Near Coffeen, Illinois. 9 p.m. John Cox,		1	20	
	Methodist minister, driving on Route 185 saw a 60 ft				
	object, flat on the bottom, rounded on top, 10 ft thick,				
	cross the road silently 300 ft away, at low speed. (Sparks;				
	Vallée Magonia 813; Hynek-CUFOS-Willy Smith files)				

4 6 - 4						
1674.		Jan. 30, 1967. 5 miles SW and 20 miles W of Crosby,	1 min	7	1/5	
		North Dakota. 8:04 a.m. (CST). Delton Schwanz,				
		commercial pilot of 29 years' experience and past AAF/AF				
		service, with wife Della and children Robert, Roger and				
		Diane saw a bright white sharply outlined lozenge-shaped				
		object (length/width ratio 4:1) to the W elevation 15°-20°				
		momentarily stopped then moving in level flight to the				
		left, with a smooth climb in the SW, dropped white				
		"strips" of light that descended vertically, disappeared to				
		the S at azimuth 170° by ascending to about 30°-45°				
		elevation. George Larsen (Larson?) and Larry Pateof				
		(Pace?) were independent witnesses driving by car 20				
		miles W of Crosby near intersection of Hwys 5 and 85				
		who saw large white light move rapidly from W to S				
		dropping a "piece" of the object and disappearing				
		suddenly. (Sparks; Hynek-CUFOS-Willy Smith files;				
		Hynek UFO Exp, case DD-11)				
1675.	11350	Feb. 6 [9?], 1967. Odessa, Delaware. 8:45 p.m. Donald	2 mins	2		
10,0.		and Marie Guseman saw a large, Saturn-shaped object, 50				
		ft in diameter and 20 ft high, with 2 bright lights, a green				
		light on one side red light on the other, hover motionless				
		over the trees, then slowly move N and suddenly				
		disappear. (Sparks; Berliner)				
1676.	11355	Feb. 12, 1967. Grand Rapids, Mich. 3:40 a.m. Lou	4-10 secs	1		
1070.	11333	Atkinson saw 4 fluorescent, football-shaped objects, a	+ 10 Sees	1		
		dull, almost grey luminous color, fly NE in a very rigid				
		formation with a chirping noise. (Sparks; Berliner)				
1677.	11383	Feb. 16, 1967. Stoughton, Wisc. 9:11 p.m. Miss Lynn	5-6 mins	1		
10//.	11303	Marsh saw a light with faded edges follow her car.	J-0 IIIIIS	1		
		(Sparks; Berliner)				
1678.	11394	Feb. 20, 1967. Oxford, Wisc. 3:10 a.m. USAF	2 mins	1		
10/8.	11394	veteran/truck driver Stanton Summer saw an orange-red	2 1111115	1		
		object fly parallel to his truck. (Sparks; Berliner)				
1679.		Feb. 23, 1967. Glasgow AFB, Montana. (Sparks;				radar
10/9.						Tauai
1690	11419	McDonald list; Saunders/FUFOR Index) Feb. 27, 1967. Grand Haven, Mich. 8:19-9:30 p.m.	1 1 1 1	4 1		
1680.	11419		1 hr 11	4+		
		Sheriff Grysen, wife and others saw a large white light,	mins			
		with smaller red and green lights to the sides, make an				
		almost instantaneous 90° left turn, shoot out over the road				
		and stop, [then] moving too fast to follow. (Sparks;				
1601	-	Berliner) March 2, 1067, Hallaman AED/White Sanda Missila	1 1	******		*****
1681.		March 2, 1967. Holloman AFB/White Sands Missile	1 hr 6	many		radar-
		Range. 10:25-11:31 a.m. (Sparks; NICAP website;	mins		1	visual
1692	1	Condon Rpt.)	1		1	
1682.		March 5, 1967. Minot AFB, North Dakota. ADC radar				
		tracked an unidentified target descending over the				
		Minuteman ICBM missile silos of the 91st Strategic				
		Missile Wing. Base security teams saw a metallic, disc-				
		shaped object ringed with bright flashing lights moving				
		slowly, maneuvering, then stopping and hovering about				
		500 ft above ground. Object circled directly over the				
		launch control facility. F-106 fighters were scrambled but				
		at that moment object climbed straight up and disappeared			1	
		at high speed. (Sparks; Ray Fowler; etc.)	<u> </u>		<u> </u>	

					ı	
1683.	11454	March 6, 1967. Benton Harbor, Mich. 12:01 a.m. Jerome	40+ mins	2		
		Wolanin, assistant news director of radio station and				
		former policeman, and wife, saw a round saucer or oval-				
		shaped object with red, green and yellow lights around				
		bottom rim which pulsated red, flying level, E to W,				
		joined by 2nd object from W. 1st object opened top, 2nd				
		came over and hovered for 30 secs and disappeared.				
		Objects made hissing sound. (Sparks; Berliner)				
1684.	11460	March 6, 1967. Galesburg-Moline [?], Illinois. 4:25 a.m.		1		
		Deputy Sheriff Frank Courson saw an object shaped like a				
		rubber cup placed under a furniture leg, with a dome set in				
		the cup, bottom spinning rapidly, rim pulsating red, which				
		approached and passed overhead at low altitude, making a				
		hissing sound. (Sparks; Berliner)				
1685.		March 9 [11?], 1967. Galesburg, Illinois. 7:10 p.m. 2	10+ secs	2		
		housewives [Powell and McKee?] saw an object shaped				
		like a pancake with a rounded top, pulsating red, and red				
		lights around its rim, which approached and seemed to				
		explode with a brilliant white light that lasted 10 seconds				
		and almost blinded them. Object accelerated to the N and				
		disappeared. (Sparks; Berliner; Saunders/FUFOR Index)				
1686.		March 9, 1967. Follansbee, West Virginia. 9 p.m. 3		3		
1000.		witnesses driving on Route 2 saw a round car-sized object,		3		
		with several lights on the underside, hovering at rooftop				
		level, which left suddenly at high speed. (Sparks; Vallée				
		Magonia 824)				
1687.	11480	March 9, 1967. Onawa, Iowa. 9:05 p.m. Jack Lindley	2 mins	1		
1007.	11400	saw a bright white, saucer-shaped object, as big as a jet	2 1111115	1		
		airliner, fly straight and fast to the E. (Sparks; Berliner)				
1688.				1		nhotos?
1088.		March 12, 1967. Rochester, Minn. Boy Hrubetz went out		1		photos?
		to buy a newspaper and saw a car-sized, inverted				
		mushroom-shaped object hovering 30 ft above ground,				
		then tilted at a 45° angle, oscillated, and left to the NW. 3				
		photos reportedly taken. (Sparks; Vallée Magonia 825;				
1.600		Saunders/FUFOR Index)				F1 50
1689.		March 16, 1967. Near Roy (about 30 miles NE of		sever		EM?
		Lewistown), Montana. Oscar ("O") Flight [November		al		missile
		Flight?] of Malmstrom AFB, USAF 341st Strategic				deactivatio
		Missile Wing, had unexplained deactivation of 6-8				n
		Minuteman nuclear ICBM's within several secs of each				
		other during UFO close encounters involving a red saucer-				
		shaped object in early morning hours. USAF security				
		guard injured and medivacked out. Capt. Robert Salas				
		was Deputy Missile Combat Crew Commander on duty at				
		O Flight. Similar event occurred with Echo Flight later in				
		the morning (?). (CUFON; NICAP; not in BB files??)				
1690.		March 16, 1967. 15 miles N of Lewistown, Montana.	15+ mins	sever		EM?
		8:45 a.m. Echo ("E") Flight of 10 Minuteman nuclear	??	al		missile
		ICBM's of Malmstrom AFB, USAF 341st Strategic				deactivatio
		Missile Wing, SAC, were inexplicably deactivated within				n
		10 secs of each other and for 1 day after UFO's hovered				
		near 2 missile silos. Followed a series of UFO sightings				
		during early morning hours by USAF security teams.				
		Similar unexplained deactivation of Minutemans occurred				
		with O-Flight earlier in the morning. (Sparks; CUFON;				
		NICAP; not in BB files??)				
		<u> </u>				

1691.	11541	March 22, 1967. Wapello, Iowa. 10:20 p.m. Douglas	1 min	1	
		Eutsler, 15, saw a fluorescent, solid, multicolored lights stand still, then fly away at high speed. (Sparks; Berliner)			
1692.	11551	March 24 [26?], 1967. Belt, Montana. 9 p.m. Truck	several	1 +	
1092.	11331	driver Ken Williams saw a dome-shaped object, emitting a	mins +?	many	
		bright light, land in a ravine. As he approached, it took off	iiiiis · ·	?	
		and settled back, hidden from the highway. Numerous			
		other reports came in from this area and at dawn police			
		and a Malmstrom AFB helicopter made a search without			
		success. (Sparks; Berliner; cf. Vallée Magonia 827)			
1693.	11559	March 26, 1967. New Winchester, Ohio (40.717° N,	30 mins	5	
		82.919° W). 4 p.m. Man, woman, three boys, saw an oval			
		object, like copper or brass with the sun shining on it, fly			
		from SE to NW with tumbling motion. (Hynek UFO Exp			
		ch. 6, case DD-12; Saunders/FUFOR Index)			
1694.		April 10-11, 1967. Houma, Louisiana. (Sparks;			radar
		McDonald list; Saunders/FUFOR Index)			
1695.		April 16, 1967. Shoreline at NE corner of Ramey AFB,	5 mins	2	photo
		Puerto Rico. Bet. 5 and 6 a.m. (EST). USAF Airman/2nd			
		Guillermo Padilla and Airman Henry, 72nd Bombardment			
		Wing, SAC, saw a disc shaped object with two levels and			
		a reddish band slightly above midesection, floating or			
		hovering just above the water. Object went left to right			
		and back a short distance then rose from right to left, and			
		Padilla took a photo. Object reversed path and			
1.000		disappeared. (Sparks; Tony Rullan)	10.15	() 0	
1696.		April 17, 1967. Jefferson City, Missouri. 9 p.m. School	10-15	6+?	
		principal and 3? teachers (Pistone, Wilson, Metz) in	mins		
		separate cars were driving home and saw a huge 300 ft			
		WWI helmet shaped object come over the cliff then over their cars bathing them in intense light. Object hovered			
		over power lines for about 10 mins then headed towards			
		the airport. Principal drove over to airport and found 2			
		more witnesses, attorneys. Ozark Airliner crew saw 2			
		large round flat objects below the plane on final landing			
		approach moving in various directions. (Sparks; Hynek			
		UFO Exp ch. 8, case CEI-7; Weinstein;			
		Saunders/FUFOR Index)			
1697.	11677	April 21, 1967. South Hill, Virginia. Approx. 8:50-8:55	10+ secs	1+1?	
		p.m. Business manager Clifton N. Crowder found the road	?		
		blocked to the W on his way home by an aluminum			
		storage-tank-shaped object with dome top, 16-18 ft tall 12			
		ft wide, landed in the road ahead on 4 legs 3-3.5 ft long			
		about 500 ft away. He turned on his high beams for a			
		better look for about 5 secs at 250 ft, the object emitted			
		white flames and took off. Burned area found in the road			
		and holes along with charred matches. Norman Martin			
		who lived nearby saw a bright light from the area at the			
		time [but with no details corroborating Crowder, hence			
		case remains single-witness with physical evidence			
		(charred matches) suggestive of hoax IFO]. (Sparks;			
1.000		Vallée Magonia 836; BB; Klass; etc.)			1
1698.		April 27, 1967. Green Lake, Wisc. 10 p.m. 4 boys with		4	binoculars
		binoculars saw a cone-shaped object with a blue			
		underside, and a top that changed from red to orange to			
		white, come lower with oscillating motions, illuminating			
L		the woods 1/2 mile away. (Sparks; Vallée Magonia 838)	I		

1699.		May 16, 1067, Culf of Maying (at 27025 6' N. 00014.7'	50 mins	1	DV
1099.		May 16, 1967. Gulf of Mexico (at 27°25.6' N, 90°14.7'	50 mins	4	RV,
		W [approx. 170 miles S of New Orleans]). 10:10 p.m.			binoculars
		(EST). Ship Master Donald W. Dee and 3rd Mate Homer			
		Hawthorne, seamen Earle Bradley and Eric Koster, crew			
		of Pacific Coast Transport ship SS Point Sur heading 295°			
		True at 15 knots, sighted 6 red point source lights pacing			
		the ship at azimuth 350° to 365° (005°) True; the 2 at 350°			
		were at 10° and 14° elevation, confirmed by sporadic radar			
		returns as at 12,000 ft at 11 miles [nm?] for the 10° object.			
		Through 7 x 50 binoculars object would appear to be			
		brilliant yellow with red lights across upper 2/3, to naked			
		eye blended to reddish-orange point source. Objects			
		pulsated with 4-1/2 sec period and approx 1 to 3 brightness			
		ratio. Lower objects rose and fell near horizon. (Sparks;			
		Castner/CUFOS; Hynek UFO Exp ch. 7, case RV-9)			
1700.	11744	May 17, 1967. Rural Hall, North Carolina. 8:30 p.m.	5 mins	1	
1,00.	11,	Red Ledford [Parker?] saw a round, orange-colored object,		-	
		similar in size to a small aircraft, zigzag back and forth			
		over a jet that was heading NE. (Sparks; Berliner;			
		Saunders/FUFOR Index)			
1701.		June 2, 1967. McKeesport, Penn. Clark and Smith.		2	
1,01.		Conflicting data on whether to ID this as IFO meteor.			
		(Sparks; Hynek-CUFOS-Willy Smith files;			
		Saunders/FUFOR Index)			
1702.	11815	June 24, 1967. Austin, Texas. 3:12-1/2 a.m. (CDT).	9-1/2	1	
1702.	11015	Artist/UFO researcher ex-contactee Ray Stanford near	mins	1	
		Mansfield Dam saw a solid, blue-white, elliptical object	IIIIIIS		
		fly from NW to NE and stop, seemingly in response to			
		flashlight signal, for 1.5 minutes. Object then continued			
		along its original path at high speed and disappeared			
1703.	11831	behind clouds. (Sparks; Berliner) June 29, 1967. Scotch Plains, New Jersey. 1:30 a.m.	8-10	1	
1/03.	11031		mins	1	
		Truck driver Damon Brown saw an oyster-shaped object	IIIIIIS		
		200 ft wide 25-30 ft thick with a huge red light at each			
		end, one light on the bottom, and a row of blue lights			
		along the bottom, which circled an aircraft, hovered,			
		moved rapidly, then followed the witness' car for about			
		500 ft, veered S and departed at great speed. (Sparks;			
1704	11070	Berliner)	2.5	1	EM
1704.	11869	July 10, 1967. 5 mi S of Lizelia (near Meridian),	3-5 secs	1	EM
		Mississippi. 5:50 p.m. After his car stalled and radio			
		faded out, golf pro Harold Washington (Capt., USMC			
		Ret.) saw an object of large size with a dome, the top			
		gunmetal blue, the bottom the color of old lead, moving E			
		about 300 ft over his car, crossing the highway tilted			
		upward to the right, then accelerated and disappeared into			
		the low clouds, with a swishing sound. (Sparks; Berliner;			
4		Randle p. 264)			
1705.		July 21 [19?], 1967. Jewish Creek [Homestead?], Florida.		2	
		2:30 a.m. Barbara Fawcett [Faucett?], 18, and her sister			
		saw a yellow "jagged" object rise above a swamp and land			
		on a hill. USAF investigators found a very large scorched			
		area at the spot. (Sparks; Vallée Magonia 858; APRO			
		July 1967; Saunders/FUFOR Index)			
1706.		July 23, 1967. Popponessett Beach, Mass. Mr. and Mrs.		many	
		McEnroe. (Sparks; Hynek-CUFOS-Willy Smith files;		?	
		Saunders/FUFOR Index)			

1707.	July 30, 1967. Kernville (35.75° N, 118.44° W), China	1 hr 15	2 + 1?	RV,
1707.	Lake NAS / Naval Ordnance Test Station (NOTS), and		+1?	binoculars
	· //	[13?]	T 1!	billoculars
	Edwards AFB, Calif. 10:17 p.m. (PDT). George Petyak	mins		
	and wife Brownie in Kernville first sighted bright yellow			
	star-like light at about 65° elevation to the E [towards			
	direction of Walker Pass and China Lake], later joined by			
	a second similar object appearing to try to "steer" the first			
	onto a "definite course." A second independent			
	observation from China Lake NAS where object was seen			
	[visually and/or on radar] to the W over Walker Pass			
	(about 20 mi distance) [towards direction of Kernville]			
	was reported to Edwards AFB – thus visual sighting lines			
	intersected from opposite directions. Controller (Mr.			
	Buckley?) at Edwards used RAPCON (Radar Approach			
	Control) radar (or used Boron AFS FPS-35 search radar at			
	35°04'44" N, 117°34'45" W) and confirmed visual			
	reported by China Lake but tried to dismiss 100 knot (115			
	mph) target as merely civil aircraft that "frequently" fly			
	over the area [but light aircraft try to avoid mountain			
	passes]. Kernville witnesses reported by phone during			
	sighting to Boron AFS ADC radar site (with FPS-35 long-			
	range search radar) then to Lt. Smith at Edwards AFB			
	where RAPCON radar tracked unidentified target near			
	Lake Isabella S (or SE?) of Kernville witnesses [S/SE by			
	5-10? mi] for "several sweeps" at about 10:30 p.m. PDT			
	traveling S at 50-60 mph. Kernville witnesses reported			
	one object in the E joined by the second object, both			
	appearing like bright stars but moving in circles relative to			
	actual star background in clear sky; used binoculars from			
	time to time through which UFO appeared bright blue.			
	First seen to their E but traveling S, disappearing suddenly			
	in clear sky at 11:30 p.m. PDT in the direction of			
	Lancaster [S to SSE] at about 50° elevation, estimated			
	height about 30,000 to 40,000 ft. (Sparks; McDonald list;			
1500	Saunders/FUFOR Index; Condon Rpt p. 122; BB files)			
1708.	Sept. 11, 1967. Kincheloe AFB, Mich. 10 p.m. Radar			radar
	tracks of 17 objects. (Sparks; McDonald list;			
1500	Saunders/FUFOR Index)	1 .	1.50	
1709.	Oct. 18, 1967. Lake Charles, Louisiana. 9 p.m. John	1 min	1 [2?]	
	Herbert [and Sonnier?] saw a bright, fiery ball flash 4			
	times while moving E, just above tree tops. (Sparks;			
	Berliner; Saunders/FUFOR Index)			
1710.	Oct. 21 [20?], 1967. Blytheville AFB, Ark. (35.96° N,	15-30	3	RV
	89.95° W). 6:16 a.m. [7:16 p.m.?] 2 control tower	secs		
	operators, one named Warren, and an observer at the S end			
	of the runway saw 2 dark oblong table-latter shaped			
	objects with 7 ft long exhaust at about 1,200-1,500 ft			
	height fly E to W, tracked by RAPCON radar at a distance			
	of 2 miles, make a turn to the SW when they disappeared.			
	(Sparks; Hynek UFO Exp ch. 6, case DD-3)			

1711.		Nov. 8, 1967. 70 mi W of Omaha (Offutt AFB), Neb. 2:45 a.m. (CST). USAF pilot and a radar operator Maj. Vanevenhoven were aboard an EC-135, callsign "A&E 144 Alpha" SAC "Looking Glass" Airborne Command Post for backup command, control and launch of all U.S. nuclear forces, flying at 255 [knots?]. Pilot sighted a large, fast-moving ball of light that changed color from red to yellow to white [possible meteor fireball?]. Radar operator tracked fast-moving target. 2 inbound TWA airline crews to Chicago O'Hare Airport also reported visual sighting to Chicago Center FAA control. Somewhat later [1 min??] EC-135 radar operator tracked 5-6 targets at high speed grouped within a 1-1/2 to 5 mile radius, for 2-3 mins. Sighting was accidentally disclosed to Univ. of Colorado UFO Project and thereafter the AF stalled and resisted investigation till termination of Colorado Project investigations, and supplied meager info. (Sparks; Roy Craig papers; BB files)	2-4 mins	4+		radar aboard SAC Nuclear Airborne Command Post
1712.		Feb. 4, 1968. Redlands, Calif. (34.06° N, 117.19° W). 7:20-7:25 p.m. (PST). Numerous witnesses Tetzlaff and others saw a 50-60 ft circular object with 7 lights on the bottom, 8-10 lights on top alternating in color, head NE [or ENE] for about 1 mile at about 300 ft altitude, hover, jerk forward, hover, shot up vertically, hover, wavered to the NW, climbed in altitude slightly, then shot off to the NW at high speed, disappearing. (Sparks; Hynek UFO Exp app. 4; Saunders/FUFOR Index)	5 mins	100's	20	
1713.	12235	Feb. 9, 1968. Groveton, Missouri. 3:20 (4:30?) [4:20?] a.m. Mr. R. W. Bland noted animal disturbance drawing his attention to a 100 ft circular object about 300-350 ft away hovering about 20-25 ft above ground, lighting up ground, trees, cows, etc. Object had 7 yellowish-green lighted portholes about 2-2.5 ft wide in the center of each concave side (?), and made a whirring [or pulsating?] noise. Disappeared to SW at 45° (?) elevation without tilting. Witness alluded to disappearance of cows in the past. (Sparks; Berliner; cf. Hynek UFO Rpt pp. 193-5)	1-5 mins	1	30	
1714.		March 6, 1968. Amarillo, Texas. Hottinger. (Sparks; McDonald list; Saunders/FUFOR Index)				
1715.		July 11, 1968. Eielson AFB, Alaska (64.68° N, 147.06° W). (Sparks; McDonald list; Saunders/FUFOR Index)				radar
1716.		Aug. 21, 1968. Ottsville, Penn. Witness Shrieberg took photo of object in an irregular jerky path. (Sparks; Randle p. 264)				photo

1717. 12498	Sept. 15, 1968. W of Cross City to 12 miles W of Ocala, Florida. 9:30 p.m. [12:31 a.m.?] Missionary pilot Ray [Jay?] Cole, flying a Twin Beech C45H twin-engined utility plane at 9,500 ft heading 120° at 200 mph true airspeed, with a pilot passenger Ray Rushing, saw a white [?] light with pale green light flashing less than once per sec at their flight level, moving up and down vertically by about 500-1,000 ft for 15 mins maintaining distance then turned right about 10° climbed at a 15° angle until vanishing when 12 miles out from Ocala. 2nd light, very bright white also flashing pale green and at about 5,000 ft height, then suddenly appeared on a collision course, made a 90° turn at about 2 miles away and 500 ft below, then	15 mins +?+?	2?	RV?
	descended and receded to about 15 miles away and disappeared with distance to the W of Ocala. Later, ground radar said a target was following them [?]. (Sparks; NARCAP; Berliner)			
1718.	Sept. 17, 1968. Nellis AFB, Nevada. 1 a.m. 2 air traffic controllers Abrams and another including supervisor saw nocturnal light. (Sparks; Hynek UFO Exp ch. 5, case NL-3)	40 mins	2	
1719.	Oct. 24, 1968. About 30 miles NW of Minot AFB, North Dakota. 3:30-4:40 a.m. (CDT). USAF Minot AFB ground radar tracked unidentified object correlated with orange glow and radioed it to the attention of the USAF crew of B-52H bomber (call sign JAG 31) on a 290° heading at 2,000 ft as a UFO target at 1 o'clock position to the NW at 24 miles, then 15 miles at 3:35 a.m. At 3:52 a.m., Minot radioed the B-52H that base weather radar was also tracking target now at 1 o'clock position and 3 miles from the B-52H. At 3:58 Minot requested IFF transponder identification from the B-52H and the B-52H radio transmitter failed for 4 mins. B-52H crew saw and radar tracked bright red-orange object [?] at 9 o'clock position at 35 miles then 1.25-1.5 miles, traveling at estimated 3,000 mph. Radar scope photos show at least 4 multiple unidentified targets making it difficult to assume continuity, i.e., determine which object is the same from frame to frame. Radar scope photos 771 to 772 show UFO target first at 138° azimuth from B-52H at 2.85 mi then 3 secs later at 242° and 1.7 mi from the aircraft, which might indicate 4,000 mph average velocity (peak velocity about 7,000 mph) and about 140 g's linear acceleration, if it can be assumed to be the same object. Then 3 secs later in frame 773 the object (if the same) moved to 40° azimuth at 1.7 mi range, average speed about 4,000 mph again, if the same object. UFO landing for 45 mins at location "AA-43." UFO sightings at Minuteman ICBM nuclear missile sites N, O, J [?], and M Flights, 91st Strategic Missile Wing, including strange EM effects such as security alarms activated at outer and inner rings around silos, outer [silo?] door opened and combination lock of inner door moved. Witnesses included Maj. Bradford Runyon, S/Sgt Bond, S/Sgt Smith, radar navigator Patrick McCaslin, Richard Clark, et al. (Sparks; Project 1947; Randle; Hynek UFO Rpt pp. 137-9 [misdated as 1966]; Tom Tulien; NARCAP; BB files; etc.)	1 hrs 48 mins+	16+ [20+ ?]	RV, EM, radar scope photos

1720.	12567	Nov. 23, 1968. Newton, Georgia (31.3° N, 84.36° W).	3-4 mins	1	40	EM
		8:05 p.m. Witness Mr. Jones, an accountant, saw				
		collimated beam 5-6 ft wide come down from a point				
		about 200 ft ahead and 75 ft off the ground illuminating				
		trees after car radio faded to static. Beam retracted slowly				
		like a ladder to a fuzzy scintillating main light, oval-				
		shaped yellowish-white about 100 [or 120-150?] ft wide,				
		which then changed to brighter reddish-orange, rose				
		vertically disappearing in less than 15 secs. Car restarted				
		spontaneously. (Sparks; Berliner; cf. Hynek UFO Rpt				
		pp. 189-191)				
1721.	12607	Jan. 17, 1969. Crittendon, Virginia. 3:24 a.m. Roman K.	2 mins	1		
		Lupton, test facility mechanic, awakened by strange				
		electric motor type sound, saw several amber lights, one				
		blinking, in elliptical formation, with humming sound, fly				
		forward slowly while moving up and down, then turn and				
		disappear. Several neighbors heard the sound without				
		seeing the object(s). (Sparks; Berliner; Randle p. 265)				
1722.		Jan. 17, 1969. Bradenton, Florida. 11:30 p.m. 15-year-		1		
		old boy McDonald saw several disc-shaped objects.				
		(Sparks; Randle p. 265)				
1723.		March 14, 1969. Thailand. USAF crew of KC-135 tanker				
		saw a cylindrical object larger than the plane that departed				
		on approach. (Sparks; Weinstein; BB files??)				

Standard Abbreviations

a.m. ante meridien (time before 12 noon, counting from 12 midnight or 0000 hours)

A/1c Airman First Class (military rank)
A/2c Airman Second Class (military rank)
A/3c Airman Third Class (military rank)
AACS Airways and Air Communications Service

AAF U.S. Army Air Forces (became USAF Sept. 18, 1947)

ACW USAF Aircraft Control & Warning radar site

ACWRON USAF Aircraft Control & Warning Radar Observation Network, Air (later Aerospace) Defense Command USAF Air (later Aerospace) Defense Command (now subsumed under US Strategic Command and

NORAD)

ADT Atlantic Daylight [Saving] Time (ADT + 3 hours = UTC-GMT-Z time)

AEC U.S. Atomic Energy Commission

AESS U.S. Atomic Energy Commission (now Dept. of Energy) Atomic Energy Security Service

AEW&C USAF Airborne Early Warning & Control airborne radar system

AFB USAF Air Force Base

AFOSI USAF Office of Special Investigations

AFS USAF Air Force Station (typically a radar site)

AHST Alaska-Hawaii Standard Time (AHST + 10 hours = UTC-GMT-Z time)

AMC USAF Air Materiel Command, Wright Field later Wright-Patterson AFB, Dayton, Ohio

approx. approximately

APRO Aerial Phenomena Research Organization, Tucson, Ariz. (defunct 1988)

arcmin arc minute (angular unit of measurement = 1/60 of a degree)

Asst. Assistant

AST Atlantic Standard Time (AST + 4 hours = UTC-GMT-Z time)
BB USAF Project Blue Book, Wright-Patterson AFB, Dayton, Ohio

Bet. Between

BOAC British Overseas Airways Corp.

CAA U.S. Civil Aeronautics Administration (now Federal Aviation Administration)

CAP USAF auxiliary Civil Air Patrol
Capt. Captain (military or naval rank)
Cdr. USN Commander (naval rank)

CDT Central Daylight [Saving] Time (CDT + 5 hours = UTC-GMT-Z time)

cf. confrere (compare) (typically used here to indicate a source used in addition to the Berliner list entry, or a

discrepant account)

CFS Canadian Forces Station

CIA U.S. Central Intelligence Agency
CIC U.S. Army Counter Intelligence Corps

Co. Company

Col. Colonel (military rank)

Corp. Corporation

Cpl. Corporal (military rank)

CPO Chief Petty Officer (naval rank)

CST Central Standard Time (CST + 6 hours = UTC-GMT-Z time)

CUFON Computer UFO Network

CUFOS J. Allen Hynek Center for UFO Studies, Chicago, Ill.

Dept. Department Det. Detachment

DoD U.S. Department of Defense

Dr. Doctor

DST Daylight Saving Time E East (azimuth 90°)

ECM Electronic Counter Measures

EDT Eastern Daylight [Saving] Time (EDT + 4 hours = UTC-GMT-Z time)

ELINT Electronic Intelligence
EM Electro Magnetic effects
ENE East North East (azimuth 67.5°)

equiv equivalent

ESE East South East (azimuth 112.5°)

EST Eastern Standard Time (EST + 5 hours = UTC-GMT-Z time)

FBI U.S. Federal Bureau of Investigations

FEAF USAF Far East Air Force

FI Fighter Interception (squadron or wing)

FO First Officer

FOIA U.S. Freedom of Information Act (5 U.S. Code 552)

ft feet (or foot) linear unit of measurement (= 0.3048 meter or 30.48 cm)

g unit of gravitational acceleration at earth's surface (= 32.2 ft/sec² or 9.8 m/sec² approx.)

G-2 U.S. Army intelligence division (of a given command or unit or staff)

GCA Ground Control (or Controlled) Approach (radar system for air traffic control)

GCI Ground Controlled Intercept (air defense radar)

GMT Greenwich Mean Time (now generally UTC, Coordinated Universal Time; U.S. military terminology Z or

Zebra or Zulu time)

GOC U.S. Ground Observer Corps (auxiliary of USAF Air Defense Command)

hr hour (time unit of measurement)

Hwv Highway

IAC U.S. National Security Council Intelligence Advisory Committee (now National Foreign Intelligence Board)

IAS Indicated Air Speed (conversion to true air speed depends on altitude, temperature, pressure)

ICBM Intercontinental Ballistic Missile

IFF Identification Friend or Foe encrypted radar transponder system

IFO Identified Flying Object

JCS U.S. Defense Department Joint Chiefs of Staff jg junior grade (part of military rank) (also JG) knots (unit of speed measurement =1.150779 mph)

lb. pound (unit of weight = 0.454 kilogram mass, approx., under standard gravity)

Lt Col. Lieutenant Colonel (military rank)
Lt. Lieutenant (military rank)

M/Sgt. Master Sergeant (military rank)

MAC USAF Military Airlift Command (formerly MATS now Air Mobility Command)

Mag Magnetic (compass bearing or aircraft heading)

Maint. Maintenance

Maj. Major (military rank)

MATS USAF Military Air Transport Service (now Air Mobility Command)

MCAS USMC Marine Corps Air Station

MDT Mountain Daylight [Saving] Time (MDT + 6 hours = UTC-GMT-Z time)

min minute (time unit of measurement)

mph miles per hour (unit of speed measurement = 1.609344 km/hr or 1.46667 ft/sec approx., in statute miles of

5,280 feet)

MST Mountain Standard Time (MST + 7 hours = UTC-GMT-Z time)

Mtn. Mountain

N North (azimuth 0° or 360°)

NACA U.S. National Advisory Committee on Aeronautics (now NASA)

NAS USN Naval Air Station NE North East (azimuth 45°)

NICAP National Investigations Committee on Aerial Phenomena website
N.M. New Mexico (see elsewhere for complete list of U.S. state abbreviations)

n.mi. nautical miles

NNE North North East (azimuth 22.5°) NNW North North West (azimuth 337.5°)

NORAD North American Aerospace Defense Command (U.S.-Canadian joint command)

NW North West (azimuth 315°)

NYC New York City

Ofcr. Officer

OPC Office of Policy Coordination (CIA covert action office, 1948-52)

Ops Operations

p.m. post meridien (time after 12 noon)

PDT Pacific Daylight [Saving] Time (PDT + 7 hours = UTC-GMT-Z time)

PFC Private First Class (military rank)

PST Pacific Standard Time (PST + 8 hours = UTC-GMT-Z time)

Pvt. Private (military rank)
RAAF Royal Air Force (U.K.)
RAF Royal Australian Air Force
RAPCON Radar Approach Control
RCAF Royal Canadian Air Force

Recon Reconnaissance
re-eval re-evaluation
Ret. Retired
Rpt Report
Rt. Route

RV Radar-Visual (Hynek UFO Classification)

S South (azimuth 180°)

SAC USAF Strategic Air Command (now U.S. Strategic Command)

SE South East (azimuth 135°)

sec second (time unit of measurement)
SFC Sergeant First Class (military rank)

Sgt. Sergeant (military rank)
SIGINT Signals Intelligence
s/n serial number
Sq Squadron

SSE South South East (azimuth 157.5°)
S/Sgt Staff Sergeant (military rank)
SSW South South West (azimuth 202.5°)

Supv. Supervisor

SW South West (azimuth 225°)

TAS True Air Speed (IAS corrected for altitude, temperature, pressure)

T/Sgt. Technical Sergeant (military rank)

TWA Trans World Airlines UFO Unidentified Flying Object

UK United Kingdom

USAF U.S. Air Force U.S. Marine Corps USMC

U.S. Navy USN

Union of Soviet Socialist Republics (now Russia) West (azimuth 270°) USSR

W

WNW West North West (azimuth 292.5°) West South West (azimuth 247.5°) WSW