Descriptive Summary

Title: Lockheed Corporation, Aero Club, and National Aeronautic Association collection

Inclusive Dates: 1896-1995

Bulk Dates: 1943-1980

Collection Number: mssLockheed

Extent: 46 boxes (18.7 linear feet)

Repository: The Huntington Library, Art Collections, and Botanical Gardens

The Huntington Library
1151 Oxford Road
San Marino, California 91108
Phone: (626) 405-2191
Fax: (626) 449-3477
Email: reference@huntington.org
URL: http://www.huntington.org

Abstract: Archival material documenting the history of the Lockheed Corporation as well as the activities of the Aero Club of Southern California and the National Aeronautic Association.

Language of Material: The material is in English.

Access

Collection is open to qualified researchers by prior application through the Reader Services Department.

Publication Rights

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Preferred Citation

[Identification of Item], Lockheed Corporation, Aero Club, and National Aeronautic Association collection, The Huntington Library, San Marino, California.

Acquisition Information

Gift of California State Library, March 2012.

Biography

Lockheed Corporation was an American aerospace company; it was founded in 1926 by Allan Lockheed. The company merged with Martin Marietta in March 1995 to become Lockheed Martin Corporation. The National Aeronautic Association (NAA) is the oldest aviation organization in the United States. The Aero Club of Southern California is the local chapter of the NAA.

Scope and Content

The first series contains manuals (the majority of those are for different models of aircraft), reports, directories, newsletters, publications and photographs related to the Lockheed Corporation. Many of the manuals are published by the Curtiss-Wright Corporation and the Wright Company. There are photographs of: Harvey C. Christen, Amelia Earhart, Clarence L. Johnson and the Lockheed Baseball team among others. There are also three photograph albums mostly containing photographs of various aircraft and Lockheed employees; these also contain photographs of Charles Lindbergh, Jimmy Doolittle and other pilots.

The second series contains documents, meeting minutes, journals, magazines, newspaper clippings, and photographs all related to three organizations: Aero Club, National Aeronautic Association and International Aeronautic Federation (FAI). The series also contains information about membership, award ceremonies, conferences and other events (such as the Gordon Bennett Balloon Race). There are magazines and publications related to several topics including: aviation, ballooning, parachuting and sport aerobatics.

The third series includes VHS tapes and audiocassettes related mostly to the Lockheed Corporation. There are also several volumes of books, the majority of which deal with aviation (some of which came from Lockheed). There are six objects including two awards.

Much of the collection was previously owned by various individuals: Violet Ritz-Rigby, former president of the Aero Club of Southern California and member of the FAI Public Relations Committee; Carol L. Osborne, aviation collector; and Ed Lund and Ann Voigt, Lockheed employees.
**Arrangement**
Collection is arranged in the following manner: Lockheed Corporation (Boxes 1-36); Aero Club and National Aeronautic Association (Boxes 37-40); and Audiovisual, Objects and Printed Books (Boxes 41-46).

**Personal Names**
Christen, Harvey C., 1910-1993
Doolittle, James Harold, 1896-1993
Earhart, Amelia, 1897-1937 -- Photographs
Johnson, Clarence L., 1910-1990
Lindbergh, Charles A. (Charles Augustus), 1902-1974 -- Photographs

**Corporate Names**
Aero Club of Southern California
Air pilots -- Photographs
Air pilots -- United States
Airplanes -- Design and construction
Airplanes -- Photographs
Curtiss-Wright Corporation. Wright Aeronautical Division
International Aeronautic Federation
Lockheed Aircraft Corporation
Lockheed Corporation
Lockheed Martin
National Aeronautic Association (U.S.)
Wright Company

**Subjects**
Aeronautics -- United States -- History -- 20th century -- Sources
Aeronautics -- United States -- Societies, etc. -- History
Aerospace industries -- United States -- History -- 20th century
Ballooning
Parachuting

**Genre**
Annual reports
Audiovisual materials
Directories
Ephemera
Letters (correspondence)
Manuals (instructional materials)
Minutes (administrative records)
Newsletters
Photograph albums
Photographs
Telephone directories

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**Lockheed Corporation**
Physical Description: Boxes 1-36

**Box 1**
**Folder 1**
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Folder 3  
Champion 1961 Airline Spark Plug and Igniter Operating Data (1961)

Folder 4  
Constellation Model 049 Maintenance Parts Catalog (1947-1950)  
Folder 1 of 2

Folder 5  
Constellation Model 049 Maintenance Parts Catalog (1947-1950)  
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Folder 6  
The Construction, Application, and the Use of the Performance Curves by George C. Hagen (1957)

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Manuals: DC-6 - DC-7  
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DC-6 and L-749 General Policy Manual (1962)  
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Development of the Lockheed P-80A Jet Fighter Airplane by Clarence L. Johnson [1944]

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Folder 5  
F.A.A. Approved Training Program (1961)

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The Flying Tiger Line, Inc.: Training Program (1957-1961)

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Box 5  
**Manuals: L-049 - L-749**

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**L-049 Maintenance Manual (1962)**

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**L-749 Maintenance Manual (1962)**

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Folder 3  
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Folder 4  
**L-749 Operations Manual (1962)**

Box 6  
**Manuals: Lockheed Aircraft Corporation: Erection and Maintenance - Manufacture's Detail**

Folder 1  
**Lockheed Aircraft Corporation, Erection and Maintenance Instructions for Navy Model XPZV-1 Pilot Line (1946-1947)**

Folder 2  
**Lockheed Aircraft Corporation, Flight Engineer's Course Outline Model 1049-H, Part II of II (1956)**

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Folder 3  
**Lockheed Aircraft Corporation, Flight Engineer's Course Outline Model 1049-H, Part II of II (1956-1957)**

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Folder 4  
**Lockheed Aircraft Corporation, Handbook of Instructions for the Structural Repair of Lockheed Models 18, Army Model C, and Navy Model R50 (1943, Sep. 15)**

Folder 5  
**Lockheed Aircraft Corporation, Manufacturer's Detail Model Specification for the Lockheed Constitution Airplanes Model 89-24-02 (1945)**

Box 7  
**Manuals: Lockheed Aircraft Corporation, Manufacture's Preliminary - Lockheed Report 10052**

Folder 1  
**Lockheed Aircraft Corporation, Manufacture's Preliminary Detail Model Specification for the Constellation GCA Carrier (1947-1948)**

Folder 2  
**Lockheed Aircraft Corporation: Preliminary Detail Specification for Supply of Lockheed Model 89 Airplanes to the United States Navy (1943, Sep. 10)**

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**Manuals: Lockheed Report: 10052-11020**
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Box 11
Manuals: Lockheed Report 9154 - NASA
Folder 1

Folder 2
Missile Systems Division: Typing Guide and Publications Formats (1967, Sep.)
Two copies.

Folder 3
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Box 12  
**Manuals: Northwest - Preliminary WAD**  
**Northwest Airlines Manual Boeing 377 (1949-1959)**  
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Folder 3  
**Preignition in Aircraft Reciprocating Engines by Jonas Anderson (1956)**

Folder 4  
**Preliminary Design Charts for Ballistic Vehicles Volume II Vehicle-Performance Trade-Offs (1959, Dec.)**  
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Folder 5  
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**Preliminary Design Charts for Ballistic Vehicles Volume III Trajectory Optimization (1960, June)**

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**Manuals: PV-1**  
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Box 18
Folder 1
Manuals: W.A.D. - Wright Aircraft Engines Model 956C18CA1

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Folder 5
Wright Aeronautical Division Installation Approval Code for Wright 745C18BA3 Engine with Forged Cylinder Heads (1957)

Folder 6
Wright Aeronautical Division Performance Characteristics - Reciprocating Engines - Commercial Models (1953-1955)

Folder 7
Wright Aeronautical Division Specification No. N940, Aircraft R-3350-40 (1958)

Folder 8

Folder 9
Wright Aircraft Engines Injection Turbo Compound Models 972TC18DA (1-4), 981TC18EA (1), 988TC18EA (1-6) R3350 (34, 38, 91) Operating Instructions... (1956-1958)

Folder 10
Wright Aircraft Engines Engine Operation Notes (1954, Sep. 15)

Folder 11
Wright Aircraft Engines Model 749C18BD1 Operating Instructions Misc 856677 #5 (1950-1953)

Folder 12
Wright Aircraft Engines Model 956C18CA1 Engine Specification No. 956-E, Misc 956 copy 1E, 14E (1946-1951)

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Wright Aircraft Engines Model 972TC18DA Parts Catalog, Misc 43 #1 (1958-1959)

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Wright Aircraft Engines Models 972TC18DA-1, -2 and R3350-34 Operating Instructions, Misc 972TC18DA1 #3 (1953-1955)

Folder 3
Wright Aircraft Engines Model 972TC18DA-1-2 Operating Instructions, Misc 972TC18DA1 #3 (1952, Dec.)

Folder 4
Wright Aircraft Engines Models 972TC18DA-1-2-3-4 Engine Specification No.'s 972-C-F-G, Misc 972 #7, #14, #14G (1950-1956)

Folder 5
Wright Aircraft Engines Model 972TC18DA3 Engine Specification No. 972-E (Variants B and C) (1950-1953)

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<p>| Folder 7 | Wright Aircraft Engines Model 975C18CB1 Engine Specification No.'s 975C-D, Misc 975 #14C (1950-1957) |
| Folder 8 | Wright Aircraft Engines Model 975C18CB1 Operating Instructions, Misc 975C18CB1 copy 11 (1952, May) |
| Folder 9 | Wright Aircraft Engines Model 977C9HD1 Engine Specification No. 977-C (1955-1958) |
| Folder 10 | Wright Aircraft Engines Model 981TC18EA1 Engine Specification No. 981-C, Misc 981-C #14 (1953-1956) |
| Folder 12 | Wright Aircraft Engines Model 988T18EA Parts Catalog, Misc 7 #5 (1960, June) |
| Folder 15 | Wright Aircraft Engines Model 990C7BA1 Engine Specification No. 990, Misc 990 #1 (1953, Apr. 5) |
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| Folder 17 | Wright Aircraft Engines Model 998C9HE1 Engine Specification No. 998-B, Misc 998-B, Misc 20 #7, #14 (1958-1959) |
| Box 20 | Manuals: Wright Aircraft Engines Model TC18DA |
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| Box 22  | Manuals: Wright Aircraft Engines Model TC18EA - Wright Aircraft Series C18B |
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| Box 24  | Manuals: Wright Aircraft Engines Series: TC18 - TC18DA |
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| Box 25  | Wright Aircraft Engines Series TC18 Overhaul Instructions, Misc 46 #1 Vol. III [undated] |
| Folder 2 | Wright Aircraft Engines Series TC18 Overhaul Instructions, Misc 46 #1 Vol. III [undated] |
| Folder 3 | Wright Aircraft Engines Series TC18DA Overhaul Instructions Book Two, Misc 46 #4 Vol. II (1958-1961) |
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<td>Folder 3</td>
<td>Wright Aircraft Engines Standard Practices, Misc 70 #1 (1967, July 14)</td>
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<td>Folder 4</td>
<td>Wright Aircraft Engines Turbo-Compound Overhaul Manual Repair, Misc 46 #1 Vol. II [1958]</td>
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<td>Folder 2</td>
<td>Wright Aircraft Engines Turbo Compound Models 972TC18DA and 988TC18EA Maintenance Manual, Misc 55 #1 (1958-1959)</td>
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Manuals: Wright Aircraft Engines Turbo Compound Models 972TC18DA - Wright Turbo-Compound

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Wright Cyclone Engines Model 745C18BA3 Engine Specification No. 745-G, Misc 745 #1G (1945-1957)

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Wright Cyclone Engines Model 749C18BD1 Engine Specification No. 749-E, Misc 749, copy 1E (1945-1949)

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Wright Cyclone Engines Model: 956C18CA1 Operating Instructions Misc 956C18CA1 copy 1, 6 (1951, June)

Folder 7

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Folder 8

Wright Turbo-Compound Engine TC18EA Series Model R-3350-32W Installation Data, AED-35, Misc AED-35 #19 (1956, Jan.)

Box 29

Lockheed Publications: Assistant - Lafayette

Folder 1

Assistant to the General Superintendent Constellation: Job Description [1947?]

Folder 2

A Chronicle of the Aviation Industry in America 1903-1947 (1948)

Folder 3


Folder 4

Days of Trial and Triumph: A Pictorial History of Lockheed (1969, Dec.)

Two copies.

Folder 5

Giving Shape to Imagination - Lockheed (1984, Oct.)

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Folder 7

Invitation: An Evening with Roy Anderson (1977, Oct. 11)

Folder 8

The Lafayette Escadrille by its Commander Major General Georges Thenault [undated]

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LMSC Directory 1983, April (1983, Apr.)

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<td>Lockheed: Engineering &amp; Scientific Job Descriptions [before 1971]</td>
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<td>Lockheed Investor News and Letters to Shareholders (1976-1985)</td>
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Folder 10 Of Men and Stars: A History of Lockheed Aircraft Corporation (1957-1958)
Folder 11 Testing Einstein with Orbiting Gyroscopes: Gravity Probe B [undated]
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Folder 2  Amelia Earhart, 1897-1937 [1932]
Folder 3  David L. Ferguson, 1938-2011 [1990s]
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Folder 4  Clarence L. Johnson, 1910-1990 ([1950s-1990)
Folder 5  Robert Earl Johnson (1965)
Folder 6  Lockheed Baseball Team (1935)
Folder 7  Printed Items [undated]
Folder 8  Unidentified Photos [undated]

Box 35  Photograph Album ([1930s]-1995)
        On spine: "Scrapbook."

Box 36  Photograph Albums ([1930s]-1947)
        Two albums. On cover of one: "Treasures."

Aero Club, National Aeronautic Association and International Aeronautic Federation

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Folder 3  Aero Club of Southern California Correspondence (1990-1991)
Folder 4  Aero Club of Southern California Howard Hughes Award Winners (1981-1990)
Folder 5  Aero Club of Southern California Invitations/Events (1983-1993)
Folder 6  Aero Club of Southern California Memos/Membership, etc. (1981-1992)
Folder 9  Ballooning: The Journal of the Balloon Federation of America (1992, Fall)

Box 38  Blackboard - For the Record
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         Photocopies.

Folder 2  Denham Scott - Southern California Industrial News (1967-1969)

Folder 3  FAI 1990 General Conference, Budapest, Hungary (1990)


Folder 6  Fédération Aéronautique Internationale PR Committee (1990-1991)


Folder 8  For the Record: Official Publication of the National Aeronautic Association
         (1986-1993)

Box 39  Gordon Bennett - National Aeronautic Association Correspondence
Folder 1  Gordon Bennett Balloon Race (1981-1990)

Folder 2  Hang Gliding: The Publication of the United States Hang Gliding Association
         (1992, Aug.)

Folder 3  Miscellaneous Correspondence (1990-1991)

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Folder 6  NAA Awards Ceremony (1991)

Folder 7  National Aeronautic Association Awards (1990-1991)

Folder 8  National Aeronautic Association Board of Directors - 1990 (1990-1992)

Folder 9  National Aeronautic Association By-laws, Operating & Business Plan, Mission and
         Organization (1990-1991)

Folder 10 National Aeronautic Association Correspondence (1989-1991)

Box 40  National Aeronautic Association Membership - Voyager
Folder 1  National Aeronautic Association Membership, Meeting and Brainstorming Session
         Minutes (1990-1991)

Folder 2  National Aeronautic Association Memo/Membership, etc. (1985-1993)


Folder 4  National Aeronautic Association Releases/News (1990-1992)


Folder 6  Newspaper Clippings (1992)
Folder 7  Parachutist (1992, Aug.)
Folder 8  Sport Aerobatics (1992, Aug.)
Folder 9  USAF/Northrop B-2 (1992)
Folder 10  Voyager (1986-1988)

Audio-Visual, Objects and Printed Books
Physical Description: Boxes 41-46

Box 41  VHS Tapes
Lockheed Update (1991, Apr.)
Lockheed Update (1992, Mar.)
Lockheed Update (1992, July)
Lockheed Update (1992, Dec.)
Lockheed Update (1993, Mar.)
Lockheed Update (1993, Sep.)
Folder of slides (1973)

Box 42  Audiocassette Tapes
Development Digest Managers Workshop (1971, Jan.)
Jack Woodman Glendale Rotary Club [undated]
LMC Board at Palmdale (1971, July 8)
LMC Board at Palmdale (1971, July 8)
LMC Board C. S. Wagner (1971, June 10)
LMC Gil Stratton Mtg (1971, Aug. 10)
Lockheed's Tribute to Dan Haughton Steel Drum Band (1971, Sep. 11)
[Lockheed's Tribute to Dan] Haughton (1971, Sep. 11)
NMA Board Meeting - Dayton (1972, June 24)

Box 43  Printed Books
Advances in Aeronautical Sciences Volume 1 (1959)
Advances in Aeronautical Sciences Volume 2 (1959)
Amelia, My Courageous Sister by Muriel Earhart Morrissey and Carol L. Osborne (1987)
Enemies of Peace and Freedom of the Peoples published by Ministry of Foreign Affairs of the Rumanian People's Republic (1952)
Internal Ballistics of Solid-Fuel Rockets by R. N. Wimpress (1950)

Box 44  Printed Books
Manned Spacecraft: Engineering Design and Operation edited by Paul E. Purser, Maxime A. Faget and Norman F. Smith (1964) - with handwritten note from Ann Voigt
Space Materials Handbook edited by Claus G. Goetzel and John B. Singletary (1962) - with handwritten note by J. P. Nash
Soviet Strategy for Nuclear War by Joseph D. Douglass, Jr. and Amoretta M. Hoeber (1979)

Box 45  Printed Books
Rocket Propulsion Elements by George P. Sutton (1949)
A Study of the Sky by Herbert A. Howe (1896)
### Box 46

**Objects (1964-1984)**

Six items, including two awards (one is broken).

### Oversize Folder

**Oversize item: Testing Einstein with Orbiting Gyroscopes: Gravity Probe B [undated]**

Item from Box 33, folder 11.