



# Smithsonian

*National Air and Space Museum*

## Garland Fulton Collection

Allan Janus

2003



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## Collection Overview

<b>Repository:</b>	National Air and Space Museum Archives
<b>Title:</b>	Garland Fulton Collection
<b>Date:</b>	1914-1964 (bulk 1918-1945)
<b>Identifier:</b>	NASM.XXXX.0101
<b>Creator:</b>	Fulton, Garland, 1890-1974
<b>Extent:</b>	20.8 Cubic feet (45 boxes)
<b>Language:</b>	English .
<b>Summary:</b>	<p>This collection consists of material gathered by Captain Garland Fulton, USN. Comprising 20 cubic feet, the Fulton Papers includes correspondence and memoranda regarding the U.S. Navy's LTA program from the 1920s to the beginnings of the expansion of the Navy's LTA program prior to World War II. There is also extensive material on Naval airship policy, and on defense policy between the world wars. As head of the Lighter-than-Air Design Section of the Bureau of Aeronautics, Fulton was an insider in the art of defense procurement and spending - his memoranda and letters provide an illuminating look into defense policy and congressional affairs between the World Wars. Of particular interest is Fulton's correspondence from his service as Inspector of Naval Aircraft during the construction of the USS Los Angeles in Friedrichshafen, Germany, 1922-1924. His correspondence with other leading figures in LTA and naval affairs - William A. Moffett, Ernest J. King, Jerome Hunsaker, Karl Arnstein, Hugo Eckener, F. W. von Meister, and Charles E. Rosendahl are an invaluable resource of the heroic period of airship development. The collection also includes technical data on airships, airship design, and naval architecture. There are many photographs, including photos documenting the construction and the first flight of the Los Angeles.</p>

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## Administrative Information

### Immediate Source of Acquisition

Naval Aviation History Foundation, Gift, 1981

### Processing Information

When the NASM Archives received the Garland Fulton Papers from the U.S. Naval Historical Foundation, it was found that a preliminary sort had been made on approximately 25% of the collection. Some of Fulton's correspondence had been filed together, and some subject categories, mainly dealing with LTA topics, had been established. NASM staff kept some of NHF's subject headings and developed other appropriate subjects and performed a thorough sort of the entirety of the collection.

Edited by Allan Janus, 2003. Encoded by Tyler Love, 2013; edited by Allan Janus, 2020.

## Preferred Citation

Garland Fulton Collection, Accession XXXX-0101, National Air and Space Museum, Smithsonian Institution.

## Restrictions on Access

No restrictions on access.

## Conditions Governing Use

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## Biographical / Historical

Captain Garland Fulton, USN, one of the U.S. Navy's leading proponents of lighter-than-air (LTA) flight, was born in University, Mississippi on May 6, 1890. He was appointed to the U.S. Naval Academy in 1908. His roommate at the Academy was Richard E. Byrd (1888-1957), and another classmate was Donald W. Douglas, later founder of the Douglas Aircraft Company. Serving at the Academy during Fulton's career as a midshipman was Lieutenant Ernest J. King, later head of the Bureau of Aeronautics (BuAer), 1933-1937, and Commander in Chief, U.S. Fleet (COMINCH) during World War II. An early advocate of naval aviation, King sparked Fulton's interest in aeronautics. Fulton graduated from the Naval Academy in 1912. Following duty with the fleet, Fulton attended the Massachusetts Institute of Technology (MIT), studying naval architecture and, under Commander (and Dr.) Jerome C. Hunsaker, aeronautical engineering. Fulton received his master's degree in 1916. Fulton entered the Naval Construction Corps in 1915, serving in the Industrial Department at the New York Navy Yard, where, during World War I, he was in charge of mounting guns on armed merchant ships. In May 1918, Fulton asked to be assigned to aeronautical engineering duties in the Aviation Section of the Navy's Bureau of Construction and Repair. Fulton transferred to the Bureau of Aeronautics when that organization was founded in 1921. In 1922, now a lieutenant commander, Fulton was sent to Europe to assist in the negotiations for the purchase of the "Reparations Airship" to replace the German rigid airships that had been awarded to the United States by the Versailles Treaty but were destroyed by their crews before transfer to the US. As Inspector of Naval Aircraft (INA), Fulton served at the Zeppelin works (Luftschiffbau-Zeppelin) at Friedrichshafen, Germany during the construction and flight trials of the rigid airship LZ 126. Assigned the service designation ZR-3, the airship was christened the USS Los Angeles upon its delivery to the US Navy at the Lakehurst Naval Air Station, NJ in 1924. Fulton resumed his service at the Bureau of Aeronautics in Washington DC after the completion of Los Angeles. As head of the Bureau's Lighter-Than-Air Design Section until his retirement, Fulton oversaw the design and construction of the USS Akron (ZRS-4) and the USS Macon (ZRS-5), and worked actively to help further the acceptance of large airships in both the Navy and in commerce. Under Fulton's guidance, expansion of the Navy's non-rigid airship (blimp) program was initiated in the years prior to the United States' entry into World War II.

Garland Fulton retired from the Navy with the rank of captain in 1940 and joined the Cramp Shipbuilding Company of Philadelphia as a director. After retirement from Cramps as vice president in charge of engineering in 1947, Fulton served on several corporate boards of directors. In later years, Fulton was a frequent unofficial consultant to the Navy and industry on LTA issues. He continued to correspond with other participants of the airship age, including Admiral Thomas G.W. "Tex" Settle, Admiral C.E. Rosendahl, Commodore George H. Mills (NASM Collection 1994-0022), Jerome C. Hunsaker (NASM Collection XXXX-0001), Karl Arnstein, and F.W. "Willy" von Meister. As the dean of American airshipmen, Fulton frequently served as a source of information to airship historians like Douglas Robinson, Richard Smith, Robin Hingham, and William Althoff. Fulton wrote extensively on LTA and aeronautical history, and planned to write a history of U.S. Naval Aviation until prevented by failing health. Garland Fulton died on October 24, 1974 --the same day as his friend George Mills. They were buried on the same day in Arlington National Cemetery.

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## Scope and Contents

The Garland Fulton Collection consists of material gathered by Captain Garland Fulton, USN (1890-1975), naval officer and proponent of lighter than air (LTA) flight. The collection was originally donated by Fulton's estate to the U.S. Naval Historical Foundation of Washington D.C. in 1979, and was transferred to the National Air and Space Museum as a permanent deposit in 1982. The collection was formally donated to NASM in May of 2000. Comprising 16 cubic feet, the Fulton Papers includes correspondence and memoranda regarding the US Navy's LTA program from the 1920s to the beginnings of the expansion of the Navy's LTA program prior to World War II. There is also extensive material on Naval airship policy, and on defense policy between the world wars. As head of the Lighter-Than-Air Design Section of the Bureau of Aeronautics, Fulton was an insider in the art of defense procurement and spending --his memoranda and letters provide an illuminating look into defense policy and congressional affairs between the World Wars. Of particular interest is Fulton's correspondence from his service as Inspector of Naval Aircraft during the construction of the USS Los Angeles in Friedrichshafen, Germany, 1922-1924. His correspondence with other leading figures in LTA and naval affairs --William A. Moffett, Ernest J. King, Jerome Hunsaker, Karl Arnstein, Hugo Eckener, F.W. von Meister, and Charles E. Rosendahl are an invaluable resource of the heroic period of airship development.

The collection also includes technical data on airships, airship design, and naval architecture. There are many photographs, including photos documenting the construction of the Los Angeles.

The collection includes books on lighter-than-air history naval history, and engineering. A number of the books have been transferred to the NASM branch of the Smithsonian Institution Libraries; others were transferred with the permission of the Fulton family to other institutions. Several books with personal inscriptions were retained with the collection.

The collection also includes a series of photographs of airships, including many detailing the construction and first flight of the Los Angeles.

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## Arrangement

The Garland Fulton Collection is arranged in the following series:

Series I: Personal Files, Correspondence, Fulton's Writings

Subseries 1 --Biography, personal papers

Subseries 2 --Correspondence

Subseries 3 --Papers, articles, and notes by Garland Fulton

Series II: Lighter Than Air (LTA)

Subseries 1 --Navy airships; Navy LTA policy and doctrine

Subseries 2 --Civilian and foreign airships

Subseries 3 --LTA, general

Subseries 4 --LTA articles, papers and data

Subseries 5 --LTA general publications

Subseries 6 --LTA gases

Series III: Aeronautics, general

Series IV: Publications, Papers, Reports, Journals

Subseries 1 --Arranged by organization and/or individuals

Subseries 2 --Technical papers, reports, journals  
Subseries 3 --Magazines, journals, papers, reports  
Subseries 4 --Newspapers, clippings  
Series V: US Navy, general  
Series VI: Miscellaneous documents  
Series VII: Photographs  
Series VIII: Books  
Series IX: Oversized Material

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

### Subjects:

- Aeronautics
- Airships
- USS Akron (ZRS-4)
- USS Los Angeles (ZR-3)
- USS Macon (ZRS-5)

### Types of Materials:

- Correspondence
- Memorandums
- Photographs
- Technical reports

### Names:

- United States. Navy -- Aviation

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## Container Listing

### Series 1: Personal Files, Correspondence, Fulton's Writings

#### 7 Boxes

##### Box 1

Scope and Contents: This series consists of general biographical material, correspondence, and papers and articles written by Garland Fulton.

#### Subseries 1.1: Biography, personal papers

Box 1, Folder 1	<a href="#">Garland Fulton -- biographical papers, undated</a>
Box 1, Folder 2	<a href="#">Navy personnel records, undated</a>
Box 1, Folder 3	<a href="#">Flight log books, undated</a>
Box 1, Folder 4	<a href="#">Family, miscellaneous, undated</a>
Box 1, Folder 5	<a href="#">Cramp Shipbuilding Co., Philadelphia, undated</a>

#### Subseries 1.2: Correspondence, 1912-1974

Arrangement: Fulton's correspondence, dating from 1912 to 1974, is arranged chronologically in several groupings. Letters which were found loose in file folders have been kept together. Also included in the collection were several files of docketed letters and memoranda dating from 1937 to 1941. The docketed letters were titled with a range of dates, though it was found that the dates of the correspondence did not always match the stated date range. The date range written on the docketed letters is recorded below in the listings for Box 4, followed by the actual dates of the correspondence in brackets. This is followed by a section of Fulton's memoranda, dating from 1919 to 1959.

Box 1, Folder 6	<a href="#">Correspondence, 1912-1920</a>
Box 1, Folder 7	<a href="#">Correspondence as Inspector, Naval Aircraft, Friedrichshafen [USS Los Angeles construction], 1922-1924</a>
Box 1, Folder 8	<a href="#">Correspondence, 1922</a>
Box 1, Folder 9	<a href="#">Correspondence, 1923</a>
Box 1, Folder 10	<a href="#">Correspondence, 1924</a>
Box 1, Folder 11	<a href="#">Correspondence, 1925</a>
Box 1, Folder 12	<a href="#">Correspondence, 1926</a>

Box 2, Folder 1	Correspondence, 1927
Box 2, Folder 2	Correspondence, 1928
Box 2, Folder 3	Correspondence, 1929
Box 2, Folder 4	Correspondence, 1930
Box 2, Folder 5	Correspondence, 1931
Box 2, Folder 6	Correspondence, 1932
Box 2, Folder 7	Correspondence, 1933
Box 2, Folder 8	Correspondence, 1934
Box 2, Folder 9	Correspondence, 1935
Box 2, Folder 10	Correspondence, 1936
Box 2, Folder 11	Correspondence, 1937
Box 2, Folder 12	Correspondence, 1938
Box 2, Folder 13	Correspondence, 1939
Box 2, Folder 14	Correspondence, 1940-1941
Box 2, Folder 15	Correspondence, 1944-1945 [1942-1943 not found]
Box 2, Folder 16	Correspondence, 1946-1954
Box 2, Folder 17	Correspondence, 1955-1958
Box 2, Folder 18	Correspondence, 1959
Box 3, Folder 1	Correspondence, 1960
Box 3, Folder 2	Correspondence, 1961
Box 3, Folder 3	Correspondence, 1962
Box 3, Folder 4	Correspondence, 1963
Box 3, Folder 5	Correspondence, 1964
Box 3, Folder 6	Correspondence, 1965



Box 3, Folder 7	Correspondence, 1966
Box 3, Folder 8	Correspondence, 1967
Box 3, Folder 9	Correspondence, 1968
Box 3, Folder 10	Correspondence, 1969-1974
Box 4, Folder 1	Correspondence Docket 1 [Folder 1 of 3], January 1 – December 30, 1938 [October 16, 1937 – April 13, 1938]
Box 4, Folder 2	Correspondence Docket 1 [Folder 2 of 3], January 1 – December 30, 1938 [April 19 – August 16, 1938]
Box 4, Folder 3	Correspondence Docket 1 [Folder 3 of 3], January 1 – December 30, 1938 [August 17 – December 30, 1938]
Box 4, Folder 4	Correspondence Docket 2 [Folder 1 of 5], January 1, 1939 – December 31 1940
Box 4, Folder 5	Correspondence Docket 2 [Folder 2 of 5], January 1, 1939 – December 31 1940
Box 4, Folder 6	Correspondence Docket 2 [Folder 3 of 5], January 1, 1939 – December 31 1940
Box 4, Folder 7	Correspondence Docket 2 [Folder 4 of 5], January 1, 1939 – December 31 1940
Box 4, Folder 8	Correspondence Docket 2 [Folder 5 of 5], January 1, 1939 – December 31 1940
Box 5, Folder 1	Undated Correspondence -- C.E. Rosendahl, undated
Box 5, Folder 2	Undated Correspondence, undated
Box 5, Folder 3	Fulton - Charles Keller Correspondence, 1958-1962 Notes: File added September, 2019.
Box 5, Folder 4	Memoranda, 1919-1922
Box 5, Folder 5	Memoranda, 1923-1924
Box 5, Folder 6	Memoranda, 1925
Box 5, Folder 7	Memoranda, 1926
Box 5, Folder 8	Memoranda, 1927
Box 5, Folder 9	Memoranda, 1928-1929
Box 5, Folder 10	Memoranda, 1930-1931

Box 5, Folder 11	<a href="#">Memoranda, 1932-1933</a>
Box 5, Folder 12	<a href="#">Memoranda, 1934-1935</a>
Box 5, Folder 13	<a href="#">Memoranda, 1936-1937</a>
Box 6, Folder 1	<a href="#">Memoranda, 1938-1939</a>
Box 6, Folder 2	<a href="#">Memoranda, 1940-1947</a>
Box 6, Folder 3	<a href="#">Memoranda, 1950-1956 [1948-1949 not found]</a>
Box 6, Folder 4	<a href="#">Memoranda, 1959</a>
Box 6, Folder 5	<a href="#">Undated memoranda, notes for the record, undated</a>
Box 6, Folder 6	<a href="#">Naval communications system messages, undated</a>

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### Subseries 1.3: Papers, articles and notes by Garland Fulton

Scope and Contents: Garland Fulton wrote extensively on airship technical issues during his career with the Bureau of Aeronautics. Following his retirement from the Navy in 1940, he wrote papers and articles on naval and aeronautical history. Also included are the notes he compiled for his writings.

Box 6, Folder 7	<a href="#">Papers and articles by Garland Fulton, undated</a>
Box 6, Folder 8	<a href="#">Papers and articles by Garland Fulton, undated</a>
Box 7, Folder 1	<a href="#">Papers and articles by Garland Fulton, undated</a>
Box 7, Folder 2	<a href="#">Papers and articles by Garland Fulton, undated</a>
Box 7, Folder 3	<a href="#">Notes on aeronautics and aeronautical history by Garland Fulton, undated</a>
Box 7, Folder 4	<a href="#">Notes on general LTA history by Garland Fulton, undated</a>
Box 7, Folder 5	<a href="#">Notes on submarines by Garland Fulton, undated</a>
Box 7, Folder 6	<a href="#">Miscellaneous notes by Garland Fulton, undated</a>
Box 7, Folder 7	<a href="#">Garland Fulton's notebooks, undated</a>
Box 7, Folder 8	<a href="#">Notes on "The Balloon Almanac", 1786</a>
Box 7, Folder 9	<a href="#">Notes on the use of balloons, Army-Navy war games, 1902</a>

Box 7, Folder 10

Transcripts of balloon mail letters, Siege of Paris, Franco-Prussian War, 1870

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## Series 2: Lighter Than Air (LTA)

### Box 8-28

Scope and Contents: Over his naval career and into his retirement, Garland Fulton collected material relating to LTA. Much of it is of from a technical, engineering, and historic perspective, but much material also deals with Naval LTA policy, and in efforts by the leaders of the Navy to influence legislation public policy and legislation favorably for the Navy's airship program.

### Subseries 2.1: Navy Airships; Navy LTA policy and doctrine

Arrangement: Airship files are arranged alphabetically by the Navy designation.

Box 8, Folder 1	<a href="#">Navy airships -- C-7 -- Notes on erection and inflation, undated</a>
Box 8, Folder 2	<a href="#">Navy airships -- J-4, undated</a>
Box 8, Folder 3	<a href="#">Navy airships -- ZMC-2, undated</a>
Box 8, Folder 4	<a href="#">Navy airships -- ZR-1 Shenandoah, general, undated</a>
Box 8, Folder 5	<a href="#">Navy airships -- ZR-1 Shenandoah -- cost analysis, undated</a>
Box 8, Folder 6	<a href="#">Navy airships -- ZR-1 Shenandoah -- design notes, undated</a>
Box 8, Folder 7	<a href="#">Navy airships -- ZR-1 Shenandoah -- design notes, undated</a>
Box 8, Folder 8	<a href="#">Navy airships -- ZR-1 Shenandoah -- report on crash, September 3, 1925</a>
Box 9, Folder 1	<a href="#">Navy airships -- ZR-2, undated</a>
Box 9, Folder 2	<a href="#">Navy airships -- ZR-3 Los Angeles, general [Folder 1 of 2]</a>
Box 9, Folder 3	<a href="#">Navy airships -- ZR-3 Los Angeles, general [Folder 2 of 2]</a>
Box 9, Folder 4	<a href="#">Navy airships -- ZR-3 Los Angeles -- "Reparation Airship" negotiations [Folder 1 of 2], 1920-1922</a>
Box 9, Folder 5	<a href="#">Navy airships -- ZR-3 Los Angeles -- "Reparation Airship" negotiations [Folder 2 of 2], 1920-1922</a>
Box 9, Folder 6	<a href="#">Navy airships -- ZR-3 Los Angeles -- journal notes, office of Inspector, Naval Aircraft, Friedrichshafen, July 6 - December 1, 1922</a>
Box 9, Folder 7	<a href="#">Navy airships -- ZR-3 Los Angeles -- technical notes and memos, 1923-1928</a>
Box 9, Folder 8	<a href="#">Navy airships -- ZR-3 Los Angeles -- Army notes, 1924</a>
Box 9, Folder 9	<a href="#">Navy airships -- ZR-3 Los Angeles -- German report, 1924</a>

Box 10, Folder 1	Navy airships -- ZR-3 Los Angeles -- report on proposed tests, April 1934
Box 10, Folder 2	Navy airships -- ZR-3 Los Angeles -- civil status, undated
Box 10, Folder 3	Navy airships -- ZR-3 Los Angeles -- construction, undated
Box 10, Folder 4	Navy airships -- ZR-3 Los Angeles -- memos and notes on proposed North Pole flight, 1925, undated
Box 10, Folder 5	Navy airships -- ZR-3 Los Angeles -- portion of gas cell fabric, undated
Box 10, Folder 6	Navy airships -- ZRS-4 Akron / ZRS-5 Macon program, undated
Box 10, Folder 7	Navy airships -- ZRS-4 Akron / ZRS-5 Macon program -- design notes and memoranda, undated
Box 10, Folder 8	Navy airships -- ZRS-4 Akron, general, undated
Box 10, Folder 9	Navy airships -- ZRS-4 Akron, general, undated
Box 10, Folder 10	Navy airships -- ZRS-4 Akron, general, undated
Box 10, Folder 11	Navy airships -- ZRS-4 Akron -- weight summary, memoranda on excess weight, undated
Box 10, Folder 12	Navy airships -- ZRS-4 Akron -- Crash, April 6, 1933
Box 11, Folder 1	Navy airships -- ZRS-5 Macon, general [Folder 1 of 4], undated
Box 11, Folder 2	Navy airships -- ZRS-5 Macon, general [Folder 2 of 4], undated
Box 11, Folder 3	Navy airships -- ZRS-5 Macon, general [Folder 3 of 4], undated
Box 11, Folder 4	Navy airships -- ZRS-5 Macon, general [Folder 4 of 4], undated
Box 11, Folder 5	Navy airships -- ZRS-5 Macon -- notes, reports, memoranda on fin attachment, 1935
Box 11, Folder 6	Navy airships -- ZRS-5 Macon -- operating manual, Goodyear-Zeppelin Corp., 1934
Box 11, Folder 7	Navy airships -- "Rigid Airship No.6", contract, May 17, 1938
Box 12, Folder 1	Navy airships, general, undated
Box 12, Folder 2	Navy airship cost analysis, 1923-1924
Box 12, Folder 3	Navy airship specifications for bids, 1924 & 1938

Box 12, Folder 4	Navy LTA bases, general, undated
Box 12, Folder 5	Navy LTA bases -- NAS Lakehurst, undated
Box 12, Folder 6	Navy LTA bases --NAS Sunnyvale [Moffett], undated
Box 12, Folder 7	Navy LTA bases -- report on siting LTA bases, undated
Box 12, Folder 8	Navy LTA expansion & airship procurement, 1936-1940
Box 12, Folder 9	Navy LTA personnel, undated
Box 12, Folder 10	Navy non-rigid airship casualty statistics, 1942-1945
Box 12, Folder 11	Navy non-rigid airship manual, 1920
Box 12, Folder 12	Navy non-rigid airship patrols, January-February 1940
Box 13, Folder 1	Navy -- USS Patoka -- airship mooring instructions, undated
Box 13, Folder 2	Navy -- Rigid Airship Manual, 1927
Box 13, Folder 3	Navy -- "Training airship" concept and specifications, undated
Box 13, Folder 4	Navy -- training material for airship aviators [Folder 1 of 2], undated
Box 13, Folder 5	Navy -- training material for airship aviators [Folder 2 of 2], undated
Box 13, Folder 6	Navy -- transcripts from Congressional hearings on Navy LTA policy [Folder 1 of 3], undated
Box 14, Folder 1	Navy -- transcripts from Congressional hearings on Navy LTA policy [Folder 2 of 3], undated
Box 14, Folder 2	Navy -- transcripts from Congressional hearings on Navy LTA policy [Folder 3 of 3], undated
Box 14, Folder 3	Navy -- LTA policy -- legislation, investigations, appropriations [Folder 1 of 3], undated
Box 14, Folder 4	Navy -- LTA policy -- legislation, investigations, appropriations [Folder 2 of 3], undated
Box 14, Folder 5	Navy -- LTA policy -- legislation, investigations, appropriations [Folder 3 of 3], undated
Box 14, Folder 6	Navy -- Airship policy and doctrine, undated

**Subseries 2.2: Civilian and foreign airships**

Arrangement: Arranged by manufacturer or designer.

Scope and Contents: This subseries includes civilian and foreign airships and airship proposals.

Contents:

Box 15, Folder 1	Aereon III drawings, undated
Box 15, Folder 2	American Cellular Dirigible Air-Ship [Simeon Trent], undated
Box 15, Folder 3	American Investigation Corp., undated
Box 15, Folder 4	American Zeppelin Transport, Inc., undated
Box 15, Folder 5	Army -- RS-1 flight report, Oct. 1928
Box 15, Folder 6	Army -- TC-13, TC-14 -- operations, undated
Box 15, Folder 7	Connecticut Aircraft Co. -- DN-1 and general, undated
Box 15, Folder 8	De Bausset "Arctic Explorer" concept, 1888
Box 15, Folder 9	Dupuy de Lome airship, 1872
Box 15, Folder 10	General Development Corp., 1956
Box 15, Folder 11	Goodyear airship operations, 1937
Box 15, Folder 12	Goodyear, general, undated
Box 15, Folder 13	International Zeppelin Transport Corp. -- outline of operating plan, 1930
Box 15, Folder 14	Metalclad Airship Corp., undated
Box 15, Folder 15	Munk airship control proposal, 1940
Box 15, Folder 16	Nederlandsche Luchtschip Reederij [Netherlands Airship Company], undated
Box 15, Folder 17	Pacific Zeppelin Transport Co. Ltd., 1931
Box 16, Folder 1	Parseval-Natz PN.30 Airship, undated
Box 16, Folder 2	R.26, undated
Box 16, Folder 3	R.33, undated
Box 16, Folder 4	R.100, R.101 engine development, undated

Box 16, Folder 5	R.100, undated
Box 16, Folder 6	R.101 crash -- report of the court of inquiry, 1930, undated
Box 16, Folder 7	R.101, general, undated
Box 16, Folder 8	Respress Airship, undated
Box 16, Folder 9	Schütte-Lanz vs. Zeppelin patents dispute, 1923
Box 16, Folder 10	Schütte-Lanz patents status, 1930
Box 16, Folder 11	Schütte-Lanz, general, 1930
Box 16, Folder 12	Slate Airship, 1930
Box 16, Folder 13	Strauss Bascule Bridge Co. -- proposed rigid airship framework design, 1925
Box 16, Folder 14	Transatlantisches-Luftschiff-Verkehrssyndikat LRö I [Luftschiff Rösler I], 1925
Box 16, Folder 15	Virginia Airship Co., 1925
Box 17, Folder 1	Wilder (Lawrence) -- airship design proposal, 1928
Box 17, Folder 2	Zeppelin, general, undated
Box 17, Folder 3	Zeppelin, general -- ephemera [timetables, baggage labels], undated
Box 17, Folder 4	Zeppelin, general -- publications, undated
Box 17, Folder 5	Zeppelin commercial service, undated
Box 17, Folder 6	Zeppelin -- maneuvering commands cards, undated
Box 17, Folder 7	Zeppelin -- permit to operate airships in US, 1938, undated
Box 17, Folder 8	Zeppelin -- request to US for helium allotment, 1937, undated
Box 17, Folder 9	Zeppelin -- LZ 4 [report with photographs], undated
Box 17, Folder 10	Zeppelin -- LZ 114 [Navy L 72; surrendered to France, renamed Dixmude], undated
Box 17, Folder 11	Zeppelin -- LZ 120 Bodensee and LZ 121 Nordstern -- report, undated
Box 17, Folder 12	Zeppelin -- LZ 120 Bodensee, undated
Box 18, Folder 1	Zeppelin -- LZ 127 Graf Zeppelin, undated



Box 18, Folder 2	<a href="#">Zeppelin -- LZ 127 Graf Zeppelin flight reports, 1932-1934</a>
Box 18, Folder 3	<a href="#">Zeppelin -- LZ 128 design notes, undated</a>
Box 18, Folder 4	<a href="#">Zeppelin -- LZ 129 Hindenburg, general, undated</a>
Box 18, Folder 5	<a href="#">Zeppelin -- LZ 129 Hindenburg, general, undated</a>
Box 18, Folder 6	<a href="#">Zeppelin -- LZ 129 Hindenburg report by LCDR George H. Mills; also includes flight reports on LZ 127 Graf Zeppelin, 1934</a>
Box 18, Folder 7	<a href="#">Zeppelin -- LZ 129 Hindenburg tickets, timetables, menus, passenger list, undated</a>
Box 18, Folder 8	<a href="#">Zeppelin -- LZ 129 Hindenburg wreck -- accident investigation reports, May 6, 1937, undated</a>
Box 18, Folder 9	<a href="#">Zeppelin -- LZ 130 Graf Zeppelin II, undated</a>
Box 18, Folder 10	<a href="#">Zodiac airships catalogue, undated</a>

### Subseries 2.3: LTA General

**Arrangement:** The subseries is arranged with airship topics first, followed by balloon topics, LTA in general, and LTA materials. Individual papers and collections of papers on LTA subjects will be found in the following Subseries 4.

**Scope and Contents:** This subseries includes material on more general aspects of LTA.

Box 19, Folder 1	<a href="#">Aircraft/airship hook--on experiments</a>
Box 19, Folder 2	<a href="#">Airship activities, World War I [Folder 1 of 2]</a>
Box 19, Folder 3	<a href="#">Airship activities, World War I [Folder 2 of 2]</a>
Box 19, Folder 4	<a href="#">Airship activities, World War I -- German airship losses</a>
Box 19, Folder 5	<a href="#">Airship costs analysis</a>
Box 19, Folder 6	<a href="#">Airship handling and mooring, general</a>
Box 19, Folder 7	<a href="#">Airship handling and mooring -- mooring masts</a>
Box 19, Folder 8	<a href="#">Airship hangers, general</a>
Box 19, Folder 9	<a href="#">Airship hangers -- proposed Baltimore airship hanger, 1936</a>
Box 20, Folder 1	<a href="#">Airship motors, general</a>

Box 20, Folder 2	Airship motors -- Beardmore Diesel Airship Engine
Box 20, Folder 3	Airship navigation
Box 20, Folder 4	Airship patents
Box 20, Folder 5	Airship transport systems studies
Box 20, Folder 6	Airships -- British airships, general
Box 20, Folder 7	Airships -- commercial airship operations
Box 20, Folder 8	Airships -- nuclear powered airships
Box 20, Folder 9	Airships -- rigid airship papers, data
Box 20, Folder 10	Airships -- Soviet airships, general
Box 20, Folder 11	Airships -- water recovery designs for airships
Box 20, Folder 12	Balloons -- Aero Club of Pennsylvania, meetings minutes, 1911-1913
Box 20, Folder 13	Balloons -- barrage balloons
Box 20, Folder 14	Balloons -- Explorer I and II flights, 1034-1935
Box 20, Folder 15	Balloons -- kite, captive balloons
Box 20, Folder 16	Balloons -- Raven Vulcoon
Box 20, Folder 17	LTA -- design and construction
Box 20, Folder 18	LTA -- lighter than air vs. heavier than air analysis
Box 20, Folder 19	LTA materials -- Duralumin and aluminum alloys
Box 20, Folder 20	LTA materials -- gas cell material and airship fabrics
Box 20, Folder 21	LTA research -- University of Akron grant application

#### Subseries 2.4: LTA papers, articles, and data

Arrangement: Files are arranged alphabetically by title or description, followed by general topics.

Scope and Contents: This subseries includes both individual papers and collections of papers and articles on aspects of LTA.

Box 21, Folder 1	Airship Construction: the Zeppelin Airship -- W.E. Dörr, [nd; c.1923]
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Box 21, Folder 2	Airships as a Means of Transportation with Special Reference to the Points which Effect their Practicality -- Walther Leyensetter, 1919
Box 21, Folder 3	Airships in Naval Warfare -- Helmut Beelitz , [nd] undated
Box 21, Folder 4	American and German Airship Operating Technique -- compiled by NAS Lakehurst officers, 1935
Box 21, Folder 5	Large Airships in Peace and in War -- Jean du Plessis , [nd] undated
Box 21, Folder 6	Search plans for a ZRCV: a Discussion of the Scouting Potential of the Rigid Airship Plane Carrier" -- CDR R.G. Kopff, USNR, 1945
Box 21, Folder 7	Study of Lighter Than Aircraft Application and a Proposed Program for Organization and Development -- Air Corps Material Division report, 1937
Box 21, Folder 8	Papers by Karl Arnstein, Goodyear--Zeppelin Corp., 1929-1938
Box 21, Folder 9	Papers by Hugo Eckener, Deutsche Zeppelin Reederei, 1925-'38
Box 22, Folder 1	Speeches, papers and articles by ADM William A. Moffett, 1920-1932
Box 22, Folder 2	Speeches, papers and articles by ADM C.E. Rosendahl, 1927-1962
Box 22, Folder 3	Daniel Guggenheim Airship Institute papers, 1933-1935
Box 23, Folder 1	Special Committee on Airships [Durand Committee] reports, 1935-1936
Box 23, Folder 2	Special Committee on Airships [Durand Committee] reports, 1935-1936
Box 23, Folder 3	Airship design wind tunnel tests report
Box 23, Folder 4	Airship technical drawings
Box 23, Folder 5	German LTA technical data
Box 23, Folder 6	Technical comparisons of airships
Box 24, Folder 1	LTA technical publications
Box 24, Folder 2	LTA technical reports and data
Box 24, Folder 3	LTA papers, articles, speeches [Folder 1 of 2]
Box 24, Folder 4	LTA papers, articles, speeches [Folder 2 of 2]

Box 24, Folder 5      [LTA notes, general](#)

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### Subseries 2.5: LTA general publications

Scope and Contents:      Garland Fulton collected articles on all aspects of LTA. This subseries includes both publications devoted to LTA, and general interest publications with articles on LTA. Also included are manufacturers' publications and miscellaneous LTA articles and publications.

Box 25, Folder 1      [Buoyant flight: the Bulletin of the Lighter-Than-Air Society Vols 21-22 \[incomplete\], Nov-Dec 1973 – Jan-Feb 1975](#)

Box 25, Folder 2      [Wingfoot Lighter-Than-Air Society Bulletin Vols 12-13, Nov 1964 – March 1966](#)

Box 25, Folder 3      [Wingfoot Lighter-Than-Air Society Bulletin Vols 14-15, Nov 1966 – Oct 1968](#)

Box 25, Folder 4      [Wingfoot Lighter-Than-Air Society Bulletin Vols 16-17, Dec 1968 – March 1970](#)

Box 25, Folder 5      [Goodyear-Zeppelin publications](#)

Box 25, Folder 6      [LTA booklets, general, undated](#)

Box 26, Folder 1      [Magazines with LTA articles \[Folder 1 of 2\], undated](#)

Box 26, Folder 2      [Magazines with LTA articles \[Folder 2 of 2\], undated](#)

Box 26, Folder 3      [Publications on airships in World War II, undated](#)

Box 26, Folder 4      [Miscellaneous LTA articles, undated](#)

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### Subseries 2.6: LTA Gases

Scope and Contents:      As a highly-placed airshipman, Garland Fulton had a deep interest in the lifting gases used in LTA, hydrogen and helium. He collected material relating both to the physical nature of gases and also to the curious political aspects of helium that emerged in the 1920s and '30s. Fulton was a participant in the political controversy that arose when Hugo Eckener attempted to purchase helium (a monopoly of the US government) for the Zeppelin company following the destruction of the Hindenburg in 1937.

Box 27, Folder 1      [Gases, general](#)

Box 27, Folder 2      [Helium controversy of 1937-1938](#)

Box 27, Folder 3      [Helium -- correspondence, papers, reports](#)

Box 27, Folder 4      [Helium, general \[Folder 1 of 5\]](#)

Box 27, Folder 5      [Helium, general \[Folder 2 of 5\]](#)

Box 27, Folder 6      [Helium, general \[Folder 3 of 5\]](#)

Box 28, Folder 1      [Helium, general \[Folder 4 of 5\]](#)

Box 28, Folder 2      [Helium, general \[Folder 5 of 5\]](#)

Box 28, Folder 3      [Hydrogen, general](#)

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## Series 3: Aeronautics, General

### Box 28-30

Scope and Contents: Garland Fulton also collected material that dealt with non-LTA aspects of aeronautics. This series includes both technical and historical material on aeronautics. More technical material will be found in the following Series IV, Subseries 1.

Arrangement: Arranged alphabetically by title, name or description.

Box 28, Folder 4	<a href="#">Aero Club of Pennsylvania; photocopy of Hugh L. Willoughby scrapbook, 1908-1910</a>
Box 28, Folder 5	<a href="#">Aeronautical history -- photocopies of books, undated</a>
Box 28, Folder 6	<a href="#">Aeronautical publications, general, undated</a>
Box 28, Folder 7	<a href="#">Air commerce -- papers, reports, undated</a>
Box 28, Folder 8	<a href="#">Air commerce -- policy, undated</a>
Box 29, Folder 1	<a href="#">Aeronautical book catalogues -- Maggs Bros., London, undated</a>
Box 29, Folder 2	<a href="#">Aircraft motors -- Le Rhone Type C 80 hp; Type J 110 hp -- instructions, undated</a>
Box 29, Folder 3	<a href="#">Aircraft motors -- Liberty 12 -- instructions for installation, inspection and maintenance, undated</a>
Box 29, Folder 4	<a href="#">Aircraft motors -- Maybach 260 HP, undated</a>
Box 29, Folder 5	<a href="#">Aircraft motors -- Union Aircraft Engine -- information and instructions, undated</a>
Box 29, Folder 6	<a href="#">Aviation articles, papers, notes, undated</a>
Box 29, Folder 7	<a href="#">Convertible aircraft, undated</a>
Box 29, Folder 8	<a href="#">Commercial flying boats -- data on Pacific flights [Pan American Airways operations, 1936-1939], 1936-1939</a>
Box 29, Folder 9	<a href="#">German aviation reports, 1920-1921</a>
Box 29, Folder 10	<a href="#">Handbook of Instructions for Airplane Designers -- Engineering Division, Air Service, 1920</a>
Box 29, Folder 11	<a href="#">Handbook of Instructions for Airplane Designers, Vol 1 -- Material Division, US Army Air Corps, 6th Edition, 1931</a>
Box 29, Folder 12	<a href="#">Handbook of Instructions for Airplane Designers, Vol 2 -- Material Division, US Army Air Corps, 6th Edition, 1931</a>

Box 30, Folder 1	<a href="#">Huff Airplane patent, 1938</a>
Box 30, Folder 2	<a href="#">Lightening, electrical hazards in aeronautics, undated</a>
Box 30, Folder 3	<a href="#">Manual for Inspection of Aircraft, US Navy, 1919</a>
Box 30, Folder 4	<a href="#">Naval Aviation -- US Navy publication, 1910-1960</a>
Box 30, Folder 5	<a href="#">Pan American Airways -- summary of operations, 1937-1938</a>
Box 30, Folder 6	<a href="#">Royal Flying Corps training manual, part 1, 1914</a>
Box 30, Folder 7	<a href="#">Superiority of Flying Boats in Transocean Service -- Aeronautical Chamber of Commerce of America, 1937</a>
Box 30, Folder 8	<a href="#">Transatlantic air service proposals, undated</a>
Box 30, Folder 9	<a href="#">US Army Air Service handbooks, technical reports, publications, undated</a>
Box 30, Folder 10	<a href="#">US Navy Bureau of Construction and Repair -- General Specifications for Airplanes -- Specification No. 100-A, April 1919</a>
Box 30, Folder 11	<a href="#">Miscellaneous aviation publications, undated</a>

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## Series 4: Publications, Papers, Reports, Journals

8 Boxes

Box 31-38

### Subseries 4.1: Publications arranged by organization and/or individuals

Box 31, Folder 1	Daniel Guggenheim Fund publications
Box 31, Folder 2	J.C. Hunsaker papers
Box 31, Folder 3	Testimony by J.C. Hunsaker in Duralumin lawsuit [United States of America vs. Aluminum Company of America] [Folder 1 of 2], 1940
Box 31, Folder 4	Testimony by J.C. Hunsaker in Duralumin lawsuit [United States of America vs. Aluminum Company of America] [Folder 2 of 2], 1940
Box 32, Folder 1	National Academy of Sciences publications
Box 32, Folder 2	National Advisory Committee for Aeronautics [NACA] annual reports [incomplete], 1920-1930
Box 32, Folder 3	National Advisory Committee for Aeronautics [NACA] annual reports [incomplete], 1931-1939
Box 32, Folder 4	National Advisory Committee for Aeronautics [NACA] reports [Folder 1 of 2]
Box 32, Folder 5	National Advisory Committee for Aeronautics [NACA] reports [Folder 2 of 2]
Box 33, Folder 1	National Advisory Committee for Aeronautics [NACA] technical reports and memoranda [Folder 1 of 2]
Box 33, Folder 2	National Advisory Committee for Aeronautics [NACA] technical reports and memoranda [Folder 2 of 2]
Box 33, Folder 3	National Advisory Committee for Aeronautics [NACA] miscellaneous publications
Box 33, Folder 4	National Aeronautics and Space Administration [NASA] papers and reports
Box 33, Folder 5	Navy Bureau of Aeronautics [BuAer], general
Box 34, Folder 1	Navy Bureau of Aeronautics [BuAer] Design Memoranda [C.P. Burgess design memos], undated
Box 34, Folder 2	Navy Bureau of Aeronautics [BuAer] rigid airship design questionnaire, summary of results, 1936



Box 34, Folder 3	Navy Bureau of Aeronautics [BuAer] specifications, undated
Box 34, Folder 4	Navy Bureau of Aeronautics [BuAer] Technical Note No. 151 -- Commercial Aspect of Airship Transport -- G.H. Scott , [1925]
Box 34, Folder 5	Navy Bureau of Aeronautics [BuAer] Technical Note No. 185 -- Extracts Relating to Airships -- G. de Montjou, 1928
Box 34, Folder 6	Navy Bureau of Aeronautics [BuAer] Technical Note No. 185 -- Extracts Relating to Airships -- G. de Montjou, 1928
Box 35, Folder 1	Navy Bureau of Construction and Repair -- bulletins, 1913-1939
Box 35, Folder 2	Navy Bureau of Engineering -- report on water recovery in airships, 1936
Box 35, Folder 3	Science Advisory Board annual report, 1935

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#### Subseries 4.2: Technical papers, reports, journals

Box 35, Folder 4	Technical journals [Folder 1 of 2], undated
Box 35, Folder 5	Technical journals [Folder 2 of 2], undated
Box 35, Folder 6	Technical papers, reports, publications [Folder 1 of 3], undated
Box 35, Folder 7	Technical papers, reports, publications [Folder 2 of 3], undated
Box 36, Folder 1	Technical papers, reports, publications [Folder 3 of 3], undated

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#### Subseries 4.3: Magazines, journals, papers, reports -- general

Box 36, Folder 2	Aeronautical Journal, July 1920
Box 36, Folder 3	Aeronautical World, Sept 1902
Box 36, Folder 4	Journal of the Royal Aeronautical Society [incomplete], 1924-1929
Box 36, Folder 5	Naval Engineers Journal, Dec 1969
Box 36, Folder 6	Technology and Culture [incomplete], 1964-1967
Box 37, Folder 1	United States Naval Institute Proceedings [incomplete], 1967-1969
Box 37, Folder 2	United States Naval Institute Proceedings [incomplete], 1970-1973

Box 37, Folder 3	<a href="#">Magazines and journals, general</a>
Box 37, Folder 4	<a href="#">German language aviation magazines</a>
Box 37, Folder 5	<a href="#">German language magazines and journals, general</a>
Box 37, Folder 6	<a href="#">Scientific papers and reports</a>
Box 37, Folder 7	<a href="#">World War II history [report -- no author, no date], undated</a>

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## Subseries 4.4: News clippings

### 1 Boxe

Note: Oversized photocopies of newspapers are stored in Box 45.

Box 38, Folder 1	<a href="#">News clippings, 1901-1920</a>
Box 38, Folder 2	<a href="#">News clippings, 1921-1928</a>
Box 38, Folder 3	<a href="#">News clippings, 1929</a>
Box 38, Folder 4	<a href="#">News clippings, 1930</a>
Box 38, Folder 5	<a href="#">News clippings, 1931-1940</a>
Box 38, Folder 6	<a href="#">News clippings, 1941-1950</a>
Box 38, Folder 7	<a href="#">News clippings, 1951-1960</a>
Box 38, Folder 8	<a href="#">News clippings, 1961-1974</a>
Box 38, Folder 9	<a href="#">Undated news clippings, undated</a>
Box 38, Folder 10	<a href="#">German language newspapers and clippings</a>

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## Series 5: US Navy, general

### Box 39

Scope and Contents: This series includes material on non-LTA aspects of the US Navy and naval activities. It includes documents, reports, and manuals.

Box 39, Folder 1	<a href="#">Analysis of [Naval] flight operations, fiscal year 1932</a>
Box 39, Folder 2	<a href="#">Bureau of Aeronautics [BuAer], general</a>
Box 39, Folder 3	<a href="#">Naval Construction Corps officers, aviation duty, 1926</a>
Box 39, Folder 4	<a href="#">Naval Construction Corps officers, flight training, 1929-1930</a>
Box 39, Folder 5	<a href="#">Naval history</a>
Box 39, Folder 6	<a href="#">Naval legislation [non-LTA]</a>
Box 39, Folder 7	<a href="#">Navy Department Reorganization Board [Folder 1 of 2], 1921</a>
Box 39, Folder 8	<a href="#">Navy Department Reorganization Board [Folder 2 of 2], 1921</a>
Box 39, Folder 9	<a href="#">Navy doctrine papers</a>
Box 39, Folder 10	<a href="#">Navy reports and manuals, general</a>
Box 39, Folder 11	<a href="#">Navy technical personnel</a>
Box 39, Folder 12	<a href="#">Miscellaneous Navy documents</a>

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## Series 6: Miscellaneous Documents

### Box 39

Box 39, Folder 13	<a href="#">Brochures, pamphlets</a>
Box 39, Folder 21	<a href="#">Incomplete, Partial Documents</a>
Box 39, Folder 14	<a href="#">Corporate reports</a>
Box 39, Folder 15	<a href="#">German papers and reports</a>
Box 39, Folder 16	<a href="#">Legislation, Congressional reports</a>
Box 39, Folder 17	<a href="#">Maps and charts</a>
Box 39, Folder 18	<a href="#">Report of trip to Germany and France by LCDR J.M. Shoemaker, 1929</a>
Box 39, Folder 19	<a href="#">Summary of F.W. von Meister's life, 1942</a>
Box 39, Folder 20	<a href="#">Miscellaneous documents and ephemera</a>

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## Series 7: Photographs

### 3 Boxes

#### Box 40-42

Arrangement: Photographs in the Fulton Papers have been sorted into several groups:

- A group of portraits, including several of Garland Fulton, other individuals, and group shots.
- Photographs of U.S. Navy airships has been sorted into files of rigid airships and non-rigids and then arranged alphabetically by Navy designation. These are followed by a small group of non-LTA Navy photographs.
- Airships arranged by country of origin, including a large group of Zeppelin airships.
- A small group of miscellaneous LTA photographs.
- Miscellaneous photographs.

Box 40, Folder 1	Portraits -- Garland Fulton, undated
Box 40, Folder 2	Portraits, undated
Box 40, Folder 3	Group photographs, undated
Box 40, Folder 4	Naval personnel, undated
Box 40, Folder 5	Navy rigid airships -- ZMC--2, undated
Box 40, Folder 6	Navy rigid airships -- ZR-1 Shenandoah, undated
Box 40, Folder 7	Navy rigid airships -- ZR-3 Los Angeles [Folder 1 of 2], undated
Box 40, Folder 8	Navy rigid airships -- ZR-3 Los Angeles [Folder 2 of 2], undated
Box 40, Folder 9	Navy rigid airships -- ZR-3 Los Angeles construction, undated
Box 40, Folder 10	Navy rigid airships -- ZR-3 Los Angeles -- Zeppelin and Navy personnel during construction, undated
Box 40, Folder 11	Navy rigid airships -- ZR-3 Los Angeles accident, undated
Box 40, Folder 12	Navy rigid airships -- ZR-3 Los Angeles stereographic photographs, undated
Box 40, Folder 13	Navy rigid airships -- ZRS-4/5 type concepts, undated
Box 40, Folder 14	Navy rigid airships -- ZRS-4 Akron, undated
Box 41, Folder 1	Navy rigid airships -- ZRS-5 Macon, undated
Box 41, Folder 2	Navy non-rigid airships -- B Type, undated

Box 41, Folder 3	Navy non-rigid airships -- C Type, undated
Box 41, Folder 4	Navy non-rigid airships -- DN-1, undated
Box 41, Folder 5	Navy non-rigid airships -- J-3, Lakehurst hanger, undated
Box 41, Folder 6	Navy non-rigid airships -- K-2, first flight, Akron, undated
Box 41, Folder 7	Navy non-rigid airships -- TC-14, undated
Box 41, Folder 8	Navy non-rigid airships -- postcards, undated
Box 41, Folder 9	Navy balloons, undated
Box 41, Folder 10	Navy -- Great Lakes Naval Station, 1919
Box 41, Folder 11	Navy -- NAS Lakehurst, undated
Box 41, Folder 12	Navy -- USS Patoka airship tender, undated
Box 41, Folder 13	British rigid airships, undated
Box 41, Folder 14	German rigid airships -- LZ 127 Graf Zeppelin, undated
Box 41, Folder 15	German rigid airships -- LZ 127 Graf Zeppelin, round the world flight, 1929
Box 41, Folder 16	German rigid airships -- LZ 129 Hindenburg, undated
Box 41, Folder 17	German rigid airships -- LZ 129 Hindenburg panorama photographs, undated
Box 41, Folder 18	German rigid airships -- Zeppelin airships, undated
Box 41, Folder 19	Zeppelin calendar, 1933
Box 41, Folder 20	Zeppelin calendar, 1934
Box 42, Folder 1	Zeppelin calendar, 1935
Box 42, Folder 2	Zeppelin calendar, 1936
Box 42, Folder 3	Zeppelin calendar, 1937
Box 42, Folder 4	Zeppelin calendar, 1938
Box 42, Folder 5	Zeppelin calendar, 1939
Box 42, Folder 6	Italian airship -- SR.I, undated

Box 42, Folder 7	<a href="#">Airship concepts, artists' impressions, undated</a>
Box 42, Folder 8	<a href="#">Unidentified airship -- releasing a pigeon, undated</a>
Box 42, Folder 9	<a href="#">Balloons -- history, undated</a>
Box 42, Folder 10	<a href="#">Hangers, airship landing and mooring facilities, undated</a>
Box 42, Folder 11	<a href="#">Aerial photographs, undated</a>
Box 42, Folder 12	<a href="#">Aircraft, undated</a>
Box 42, Folder 13	<a href="#">Aircraft -- flying boats and seaplanes, undated</a>
Box 42, Folder 14	<a href="#">Friedrichshafen, Germany, undated</a>
Box 42, Folder 15	<a href="#">Submarines, undated</a>
Box 42, Folder 16	<a href="#">Weather charts, undated</a>
Box 42, Folder 17	<a href="#">World War I, miscellaneous, undated</a>

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## Series 8: Books

### 1 Boxe

#### Box 43

Scope and Contents: A group of Garland Fulton's books, mainly on LTA, aviation, maritime history, and engineering came to NASM with his papers. A number of them have been transferred to the NASM branch of the Smithsonian Institution Libraries. Others, which duplicated titles held by the library, have been transferred to other institutions. Four books which include inscriptions or dedications to Garland Fulton have been retained with his papers.

Box 43, Folder 1	<a href="#">Eckener, Hugo -- Im Zeppelin uber Länder und Meere; Verlagshaus Christian Wolff, Flensburg. Inscription by F.W. von Meister, 1949</a>
Box 43, Folder 2	<a href="#">Robinson, Douglas -- The Zeppelin in Combat; G.T. Foulis &amp; Co Ltd, London. Inscription by Douglas Robinson, 1962</a>
Box 43, Folder 3	<a href="#">Rosendahl, C.E. What about the Airship? Charles Scribner's Sons, New York. Inscription by C.E. Rosendahl, 1938</a>
Box 43, Folder 4	<a href="#">Rosendahl, C.E. -- What about the Airship? Charles Scribner's Sons, New York. Inscription by C.E. Rosendahl, no date., UNDATED</a>

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## Series 9: Oversized Material

### 2 Boxes

#### Box 44-45

Box 44, Folder 1	Photocopy of early airship scrapbook, compiled by Capt. Chambers, USN, c.1910–1913
Box 44, Folder 2	Photo portraits -- Garland Fulton, ADM David Taylor, unidentified, undated
Box 44, Folder 3	Photographs -- airships, aircraft, balloons, naval scenes, undated
Box 44, Folder 4	Panorama photograph of Curtiss NC flying boat with Navy personnel, undated
Box 44, Folder 5	Airship photographs [Folder 1 of 2], undated
Box 44, Folder 6	Airship photographs [Folder 2 of 2], undated
Box 44, Folder 7	Fulton's certificate of membership in US Naval Institute, undated
Box 44, Folder 8	Oil painting on board of unidentified 19th century American steamship -- painting is broken in two pieces, undated
Box 45, Folder 1	Technical drawings, proposed Navy airship base, Sunnyvale, CA, 1931
Box 45, Folder 2	Newspaper photocopies, 1921-1928
Box 45, Folder 3	Newspaper photocopies, 1929
Box 45, Folder 4	Newspaper photocopies, 1930
Box 45, Folder 5	Newspaper photocopies, 1931-1940
Box 45, Folder 6	Newspaper photocopies, 1950-1966
Box 45, Folder 7	German language newspaper photocopies
Box 45, Folder 8	<p>Foldout diagrams from untitled report [NASM-9A20096, pages 15 and 25], Schütte-Lanz vs. Zeppelin patents dispute, circa 1923</p> <p>Notes: Foldout pages removed from document during processing for flat storage. See Box 16, Folder 9, "Schütte-Lanz vs. Zeppelin patents dispute" for the original untitled document [NASM-9A20096]. Note that page 15 is extremely fragile and has separated into several pieces along the original fold lines.</p>

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