

MS-370, Hugh S. Lippman Papers

Collection Number: MS-370

Title: Hugh S. Lippman

Dates: 1923-1967

Creator: Hugh S. Lippman

Summary/Abstract:

The collection includes biographical and career information about Mr. Lippman; business correspondence; technical reports from Materiel Division, Aeronautical Systems Division, and the Aircraft Laboratory; staff rosters and flow charts for Wright-Patterson Air Force Base; records from litigation cases involving aircraft component patents; correspondence between the Dayton-Wright Company and the Manufacturers Aircraft Association, and photographs from McCook and Wright Fields. Most items are related to the work that Mr. Lippman was involved in at Wright Patterson Air Force Base.

Quantity/Physical Description: 4.5 linear feet

Language(s): English

Repository: (Required)

Special Collections and Archives, Paul Laurence Dunbar Library, Wright State University, Dayton, OH 45435-001, (937) 775-2092

Restrictions on Access: There are no restrictions on accessing material in this collection.

Restrictions on Use:

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Preferred Citation: (Required)

(Box Number, Folder Number), (MS-370, Hugh S. Lippman Papers), Special Collections and Archives, University Libraries, Wright State University, Dayton, Ohio

Acquisition:

The Hugh S. Lippman Papers were given to Wright State University Special Collections and Archives by Nancy Lippman Hoke, Mr. Lippman's daughter, in January of 2007.

Accruals: Additional material was added to the collection in April, 2011.

Revisions: Revised by Jeremy Katz (April, 2011)

Processed by: Andrea Green (March, 2008)

Arrangement:

The Hugh S. Lippman Papers are organized into nine series:

- Series I: Personal and Biographical Information
- Series II: Materiel Division
- Series III: Aeronautical Systems Division
- Series IV: Aircraft Laboratory
- Series V: Litigation Records for Aircraft Patents
- Series VI: Dayton-Wright Company Correspondence
- Series VII: McCook Field Alumni Reunion Materials
- Series VIII: Photographs
- Series IX: Airplane Blueprints and Data Charts
- Series X: Buttons and Pins

Biographical/Historical Note

Hugh S. Lippman was born in Dayton, Ohio, on October 19, 1902. He attended Van Cleve School and graduated from Steele High School before beginning his studies at the University of Illinois and the Ohio State University. He started his career at McCook Field, the Army Air Corps predecessor to Wilbur Wright Field, and then eventually to Wright-Patterson Air Force Base. One project in which he was involved during this time was developing the first United States Air Force cockpit, as well as creating a scale mannequin to be used in testing.¹ He also took great pride in his work to develop the first in-flight refueling projects around 1929.

In 1945, Mr. Lippman, along with nine other civilian employees at Air Technical Services Command, was awarded an emblem for meritorious civilian service during World War II. He received this for his overall work on Air Force aircraft. Newspapers lauded him as a great contributor, but Mr. Lippman was very humble, insisting that he was just doing his job.

Mr. Lippman moved on to take a number of different roles at WPAFB, including Project Engineer, Civilian Director of Evaluations (Engineering Division), Laboratory Staff, Civilian Chief of Operations, Technical Director of the Aircraft Laboratory, and finally Technical Director/Deputy for Test and Support. He retired from WPAFB in 1965 after a nearly 43-year career. Mr. Lippman passed away in 1989.

Scope and Content

The following acronyms related to Wright-Patterson Air Force Base are used in the Hugh S. Lippman Papers:

- WADC**—Wright Air Development Command
- WADD**—Wright Air Development Division
- ASD**—Aeronautical Systems Division

The Hugh S. Lippman Papers document many of the projects completed and correspondence exchanged at Wright-Patterson Air Force Base, as well as the order of personnel in many divisions. By using these documents, researchers can discover how Mr. Lippman was

¹ <http://cockpiteval.home.att.net/BodySizeMilAircraft.htm>

involved in these projects, a vast majority of which took place during the run up to WWII, WWII itself, and then the Cold War.

Series I, Personal Papers, contains documents Mr. Lippman's career at Wright-Patterson Air Force Base in the form of official job descriptions, newspaper articles, and work-related correspondence. Also included are transcriptions of several talks and speeches that he gave at various conferences and meetings.

Series II, Materiel Division, contains the departments in which Mr. Lippman worked went through several name changes and fell under different areas of command; therefore, the series are arranged according to the area of command under which the documents fall. All materials related to Mr. Lippman's time at Materiel Division are collected in this series. Most prominent in this series are the technical reports and memos relating to projects undertaken in the Materiel Division between 1929 and 1942.

Series III, Aeronautical Systems Division, contains staff rosters and flow charts for the ASD, WADC, and WADD. The series also includes project descriptions for the ASD.

Series IV, Aircraft Laboratory, contains project lists and reports, technical reports and memos, staff rosters, and general information, including history about the Aircraft Laboratory that Mr. Lippman collected as the technical director for a portion of his career.

Series V, Patent Litigation Papers, contains patents filed by the departments in which Mr. Lippman worked throughout his career at Wright-Patterson Air Force Base. The patents are arranged numerically by ascending patent number, and the names of inventions are noted in the finding aid. Because patents fall under different categories and because patent issue dates vary, the patent files are not in chronological order. Many of the patent files include blueprint drawings of the inventions, as well as hand-written notes regarding court cases. Blueprints for Patent #1,400,177 are located in the oversize area, as well as blueprints for C.C. (Court of Claims) #43479. (Location 74, Folders 1 and 2)

Series VI, Dayton-Wright Company Correspondence, contains correspondence composed between the Dayton-Wright Company and the Manufacturer's Aircraft Association. This correspondence, composed between 1919 and 1923, documents the communication between the two companies, including letters regarding the exchange of funds as they bought ideas from each other.

Series VII, McCook Field Alumni Reunion, contains staff lists and charts, photographs, and phone directories related to the reunion

Series VIII, Photographs, contains photographs of airplanes taken by Materiel Division. Also, the photographs Mr. Lippman used in preparation for the McCook Field Alumni Reunion are in this series. Many of the photographs are general photographs of airplanes and personnel at Wright Patterson Air Force Base. Box 7 contains, in its original order, the pages of a scrapbook given to Mr. Lippman by coworker M. Cassell.

Series IX, Airplane Blueprints and Data Charts (Oversize), contains the data tabulation charts list hundreds of different aircraft types and models and their performance results in areas such as weights and areas, speed, stress analysis, and many others. In addition, blueprints for the Driggs Dart Metal Wing airplane and other miscellaneous aircraft blueprints can be found in this series. The final oversize folder contains oversize photographs and flight maps.

Series X, Buttons and Pins, contains various keepsake button and pins Lippman collected during his lifetime.

Subject Terms (Required)

Persons/Families

Hugh S. Lippman

Organizations/Corporate Names

Army Air Corps

United States Air Force

Places

McCook Field

Wilbur Wright Field

Wright Patterson Air Force Base

Aircraft Laboratory

Dayton (Ohio)

Subjects (General)

Aviation

Engineering

Wright-Patterson Air Force Base (Ohio)

McCook Field (Dayton, Ohio)

Air Force

Material Types

Correspondence

Speeches

Memos

Rosters

Reports

Patents

Blueprints

Directories

Photographs

Occupations

Engineer

Aviator

Collection Inventory

Series I		Personal Papers	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	1	Biographical and Career Information	1945-1965
	2	Work-Related Matters (from personal file)	1952-1959
	3	Business Correspondence	1924-1957
	4	Business Correspondence	1958-1964, Undated
	5	Talks and Speeches	1943, 1961-1969, Undated
Series II		Materiel Division	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	6	Technical Reports	1929-1944
	7	Memos	1936-1942
2	1	Staff Rosters	1947-1965
	2	Miscellaneous—Materiel Division	1934-1951
	3	Work-Related Newspaper Clippings	1936, 1945, 1963
Series II		Aeronautical Systems Division/Wright Air Development Division	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
2	4	Projects and Tasks	1962-1964, Undated
	5	Staff Roster Charts—WADD/WADC	1956-1960
	6	Rosters and Personnel Flow Charts—ASD	1961-1965
	7	Rosters and Directories—WADD/ASD	1950-1962, Undated
Series IV		Aircraft Laboratory	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
2	8	Project Lists	1953-1959, 1964
	9	Projects	Undated
	10	Project Report—interchangeability: Airplane Parts and Components	1945

2a	1	WWII Glider Program	1941, 1976
	2	In-Flight Refueling Project Log Book & News Clips	1929
	3	Aircraft Lab 50 th Anniversary	Apr. 12-13, 1989
3	1	Project Report—Light Bomber (1 of 2)	1944
	2	Project Report—Light Bomber (2 of 2)	1944
	3	Staff Rosters—Aircraft Laboratory	1943-1959
	4	Miscellaneous Technical Reports and Memos	1923, 1934, 1945, 1960, 1962, Undated
	5	History—Aircraft Laboratory (book)	1950
	6	History—Aircraft Laboratory (papers & brochures)	1952-1958
	7	Status Report—Aircraft Laboratory	1959
	8	Aerodynamic Complex Facilities—Brief Description	Undated
	9	Wright Field Telephone Directories	1931-1932, 1940- 1941

Series V: Patent Litigation Papers

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
3	10	General Patent Information	Undated
	11	Correspondence Regarding Patents	1934, 1941, 1943, 1950
	12	Junker Patents	1937
4	1	Litigation—Bell Aircraft Corporation	1948
	2	Patents—Goupil (from personal file)	1934
	3	“Semi-Low Wing Monoplane-Type Airplane”: Patent Application—Des. #95	1934
	4	“J.J. Montgomery Aeroplane,” Patent #831,173	1906
	5	“Martin Bomber”: Glenn L. Martin vs. Unites States	1927
	6	“Pursuit Airplane”: Monteith—Patent #88,978	1932
	7	“L.C. Milburn Prototype”: Patent #90,627	1933
	8	“Slotted Wings”: A.G. Leigh & L.P.R. Co. vs. United States—C.C. #42,314	1933-1934
	9	Calls of the Court: C.C. #'s 42546, 42551, 42553, 42563, 42566, 42575	1937
	10	“Convex Wing Profiles”: Martin vs. United States, C.C. #42546	1937
	11	“Retractable Landing Gear”: Martin vs. United States, Patent #1,306,768	1938
	12	“Aerodynamic Stabilizer”: Martin vs. United States, Patent #1,334,707	1937
	13	“Landing Carriage for Aeroplanes”: Patent #1,360,668	1920
	14	“Wing Section Design”: Martin vs. United States,	1934

		Patent #1,400,177	
	15	“Aeroplane Alighting Device”: Martin vs. United States, Patent #1,431,017	1937
	16	“Landing Gear for Flying Machines”: Martin vs. United States, Patent #1,490,513	1937
	17	“Aircraft Control Mechanism”: Martin vs. United States, Patent #1,492,304	1937
	18	“Aircraft Control Mechanism”: Martin vs. United States, Patent #1,492,304	1924
	19	“Aerofoil End Form”: Martin vs. United States, Patent #1,492,518	1937
	20	“Aeroplane Propulsion Installation”: Martin vs. United States, Patent #1,603,134	1937
	21	“Landing Light Installation”: Martin vs. United States, Patent #1,627,191	1935
	22	Patent Arbitration: #1,891,385 and #1,895,682	1933
	23	“High-Wing Aeroplane”: James V. Martin, Patent #1,973,007	1929
	24	“Aircraft Power Plant”: Patent #2,085,761	1934
	25	Information regarding Patent Photographs	1934
	26	Blueprint Drawings for C.C. #43497 (Oversize) (See Location 74, File 2)	Undated

Series VI: Dayton-Wright Company Correspondence

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
5	1	Correspondence with Manufacturer’s Aircraft Association	1919-1921
	2	Correspondence with Manufacturer’s Aircraft Association	1922-1923
	3	General Correspondence	1921-1923, 1950

Series VII: McCook Field Alumni Reunion

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
5	4	Planning Materials	1967
	5	“Memories of McCook Field” DVD	1989
	6	McCook Memories	Ca. 1967

Series VIII: Photographs

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
6	1	Materiel Division	1951

	2	Dayton Wright Racer	c. 1920
	3	Patent & Litigation Photographs	Undated
	3	McCook Field Reunion	Undated
7	1	Miscellaneous Airplanes and WPAFB Personnel	Undated
	2	In-Flight Refueling Project Photographs	1929
8	1	M. Cassell Scrapbook	1918-1953
9	1	M.G. Cassell's Scrapbook	1922-1940
Series IX: Airplane Blueprints & Data Charts (Oversize)			
<u>Loc</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
74	3	Airplane Data and tabulation Charts	1938, Undated
	4	Driggs Dart Metal Wing Blueprints	Undated
	5	Miscellaneous Airplane Blueprints	Undated
	6	Flight Maps and Photographs	Undated
Series X: Buttons and Pins			
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
10	1	Buttons and Pins	1909-1941