

MS-361 Richard Hoener Collection

Collection Number: MS-361

Title: Richard Hoener Collection

Dates: 1920-1999 (Bulk 1940-1960)

Creator: Hoener, Richard F., 1918-2007

Summary/Abstract:

This collection consists of personal correspondence, publications and photographs related to Richard Hoener's work at Wright-Patterson Air Force Base. The collection also contains publications related to aviation and memorabilia that he has collected over the years.

Quantity/Physical Description: 8.2 linear feet

Language(s): English, French, German

Repository:

Special Collections and Archives, University Libraries, Wright State University, Dayton, OH 45435-0001, (937) 775-2092, library-archives@wright.edu

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

Restrictions on Use:

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Preferred Citation:

[Description of item, Date, Box #, Folder #], MS-361, Richard Hoener Collection, Special Collections and Archives, University Libraries, Wright State University, Dayton, Ohio

Processed by: Sara Boteler, Winter 2010
Dawne Dewey, Summer 2017, additions

Revisions: Select publications that are available in the reading room were removed from Series II by Toni Vanden Bos, September 2021.

Arrangement:

The collection is arranged into four series:

- Series I: Personal, 1920-1997
 - Subseries IA. Career, 1943-1994
 - Subseries IB. Work Related Information, 1920-1997

- Subseries IC. Reports/Memos, 1924-1988
- Subseries ID. Flight Records/Log Books, 1940-1951
- Subseries IE. Directories, 1924-1958
- Subseries IF. Other, 1970, undated
- Series II: Publications, 1920-1999
 - Subseries IIA. Reports, 1920-1990
 - Subseries IIB. Manuals, 1932-1966
 - Subseries IIC. Newsletters/Bulletins, 1944-1997
 - Subseries IID. Books, 1943-1995
 - Subseries IIE. Articles, 1945-1983
 - Subseries IIF. Magazines, 1935-1965
 - Subseries IIG. Other, 1924-1999
- Series III: Audio/Visual, 1918-1919, circa 1950-1994, undated
 - Subseries IIIA: Photographs, 1949-1963, undated
 - Sub-subseries IIIA1: Military Aircraft, undated
 - Sub-subseries IIIA2: Civilian Aircraft, undated
 - Sub-subseries IIIA3: Personal, 1949-1963
 - Subseries IIIB: Negatives, undated
 - Subseries IIIC. Slides, 1918-1919, 1965, circa 1980, undated
 - Subseries IIID: Other, 1994, undated
- Series IV: Memorabilia, 1969, 1974, 1990, undated

Biographical/Historical Note:

Richard Hoener was born on April 18, 1918, in Brooklyn, New York. Hoener attended the University of Alabama and received a B.S. in Aeronautical Engineering in 1939. According to *Capstone Engineer Magazine*, a publication of the University of Alabama, "During World War II, he served as a captain in the U.S. Army as a test pilot flying B-17s and other aircraft as they came off the assembly line to certify their airworthiness. Following the war, he served in civilian capacity as the head of the static testing laboratory at Wright-Patterson Field until 1974. He then moved to Long Island, N. Y., and worked with Fairchild Republic as the chief design engineer for the A-10 Attack Jet. He retired from Fairchild Republic, and returned to Kettering, Ohio."¹ Mr. Hoener was a member of the Huffman Prairie Aviation History Society and volunteered in the Special Collections and Archives at Wright State University. He died on May 19, 2007.

Scope and Content

The collection is arranged into four series.

Series I, Personal, contains information related to Richard Hoener's life and career in the military. This includes military orders he received and covers a ten year span of his military career. Flight performance data relating to various aircraft, as well as letters of appreciation and commendations that he received over his career, are included in this series. There are also reports that were internally generated for use by the United States Air Force. The series is organized into 6 categories: Career, Work Related Information, Reports/Memos, Flight Records/Log Books, Directories, and Other.

¹ From Capstone Engineer Fall 2007 issue which can be found at <http://coeweb.eng.ua.edu/news/magazine.htm>

Series II, Publications, contains publications that Richard Hoener collected over the years, most of which are aviation related. This includes magazines as well as newsletters. The series is organized into 7 categories: Technical Reports, Manuals, Newsletters/Bulletins, Books, Articles, Magazines, and Other, This series includes a few publications that are in French and German. Legal Size material is located in Box 12.

Series III, Audio/Visual, consists primarily of photographs that include military as well as civilian aircraft. The aircraft files are labeled by manufacturer while the photos themselves are identified with model number, as well as type of engine; the oversized photos of airplanes are only identified by model. The majority of personal photos are not identified. There is a subseries of negatives/slides containing photos mostly personal in nature. The third subseries contains VHS videos that are aviation related, and oversized aviation maps.

Series IV, Memorabilia, consists of several trophies, slide rulers, a special edition magazine related to the moon landing, and other commemorative materials.

Subject Terms

Persons

Hoener, Richard F., 1918-2007

Places

Dayton (Ohio)

Wright-Patterson Air Force Base (Ohio)

Subjects (General)

Airplanes

Airplanes-- Flight testing

World War, 1939-1945--Veterans

Material Types

Correspondence

Technology - - Documentation

Memorabilia

Photographs

Publications (documents)

Occupations

Aviators

Air Force Officers

Collection Inventory

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
Series I: Personal			1920-1994
		Subseries IA. Career	1943-1994
1	1	Orders	1943-1944
1	2	Copy of Discharge	1944
1	3	Immunization Register	1944
1	4	Air Reserve	1945-1953
1	5	Financial	1945-1974
1	6	Orders	1945-1950
1	7	Efficiency Rating	1946-1960
1	8	Job Applications and Descriptions	1947-1969, Undated
1	9	Personal Leave	1947-1960
1	10	Letter of Appreciation	1954-1973
1	11	Letter of Commendation	1956 August 30
1	12	Certificates	1959-1969, Undated
1	13	Memo: Outstanding Performance	1959 July
2	1	Recommendation for Incentive Award	1963 December 13
2	2	An Appraisal of Structures Technology- 1964 by Roger A. Anderson AIAA Paper No. 64-531	1964
2	3	Certificate-Superior Performance with photos	1965
2	4	Thank You Letters	1967-1989
2	5	Job Vacancies	1968
2	6	Aircraft Laboratory Reunion '94 w/pictures	1994 September 30 – October 1
2	7	Disposition Forms	Undated
2	8	Personal Resume	Undated
2	9	Project Record Computation Book- C.A.A. Ground Instruction University of Dayton	Undated
		Subseries IB. Work Related Information	1920-1997
2	10	Regulations for Operations of Aircraft	1920 January
2	11	A. A. F. Issue Record	1944-1946
2	12	Airplane Type Rating Examination	1944-1946, Undated
2	13	Stability and Control Course Material	[1944]
2	14	Performance Data AT-6F-44-81893	1945 October - November
2	15	Flight Performance Data P-51D 44-75021	1945 November 2 - 1946 February 11
2	16	Flight Performance Data B-253 45-8832	1945 December 1- 1946 January 20
2	17	Correspondence	1945-1972, Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
2	18	Spin Test AT-6C 41-2301	1946 January-February
2	19	Class Notes	1949, Undated
3	1	Notes for Project No. AE 741	1949
3	2	Weapons Orientation Course	1957 July
3	3	Fatigue Program	1958 December
3	4	Personal Notebook	1960-1963
3	5	Newspaper Clippings	1963-1997, Undated
3	6	Structures Information	1967 February 2, Undated
3	7	Executive Orientation Course in Data Automation ODF6854-4	1967 April - October
3	8	SST 68/69	1968-1969, Undated
3	9	Some Historical Notes on Criteria by Albert Epstein	1973 September
3	10	Recollections Chapter 5 Wright Field & Aircraft Laboratory World War II 1941-1945	1989 November 14
3	11	By-laws of the Dayton Laboratories branch of the Scientific Research Society of America	Undated
3	12	F-101 Life Expectancy Graph	Undated
3	13	Fatigue Certification Program – Ti Structure	Mar. 27 [?] – Sep. 25 [?]
3	14	Full Scale Airplane Fatigue Testing Constraints and Areas Open to Investigation For Compressing the Time For Conducting Room Temperature Fatigue Testing	Undated
3	15	Historical Background – Aircraft Laboratory from August 1907-July 1956	Undated
3	16	“Holey” Bible Notebook	Undated
3	17	Load time dependent Relaxation of Residual Stresses	Undated
3	18	Stability and Control Flight Test of B-25J Airplane by F.J. Ascani, L.F. Helmuth and R.F. Hoener	Undated
4	1	Unidentified Graphs	Undated
4	2	Design in Brittle Materials by F.R. Shanley	Undated
		Subseries IC. Reports/Memos	1924-1988
4	3	The Engineering Division – A Consideration of its Status With Respect to the Air Service and the Aeronautical Industry in the United States and Abroad. Serial No. Misc. No. 238	1924 November 20
4	4	Estimated Data for Structural Analysis Report No. 2363, Model No. P38E	1941 August 5
4	5	Static Test Loads Report No. 2370, Model No. P-38E	1941 September 3– 1941 September 9

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
4	6	Memo: Survey of Scientific Personal Resources of the USAF	1949 December 5
4	7	Memo: Record of Completed Training	1952 June – 1962 July
4	8	Memo: Structural Test on the F-89 Airplanes	1952 December 4
4	9	T-37A Wing Fatigue Test Spectrum Report No. WCLSS6-58-2	1958 June
4	10	Memo: 28 December Commander's Management Conference	1960 December 28
4	11	Memo: Physical Examinations for Civilian Executives	1965 January 8; 1972 June 12
4	12	Memo: Structural Test in the 50 Megawatt Facility in Support of Project 651G	1967 April-May
4	13	Memo: Executive Assignment System Inventory Record	1967 June 5
4	14	Memo: Trip Report	1968 June 7-8
4	15	Executive Assignment System	1968
4	16	U.S. Civil Service Commission	1969-1970
4	17	Compensation Data for Scientist and Engineers in In-House Activities	1970
4	18	Blue Ribbon Defense Panel	1970 August 26
4	19	First Release 340 Program-Complete Airframe Static Test Outline	1981 March 26
4	20	Memo: Project Heritage	1987 April 21
4	21	FDL History Project	1988 July 13
4	22	Memo: Executive Board Meetings	Undated
4	23	Memo: Open House	Undated
		Subseries ID. Flight Records/Log Books	1940-1951
4	24	Student Pilot Log Book	1940
4	25	Student Pilot Rating Book Secondary	1941
4	26	Royal Canadian Air Force Pilot's Flying Log Book	1943-1944
4	27	Flight Record	1944 July – 1950 December
4	28	Flight Record	1944-1951
5	1	Pilots Training Record	1944
5	2	Individual Flight Record	1947-1950
5	3	AF Manual 62-10 Examining The Instrument Pilot	1948 February
		Subseries IE. Directories	1924-1958
5	4	Wright-Patt Directories	1924-1941
5	5	Aircraft Laboratory Directorate of Laboratory Personnel Directory	1958 August
5	6	Specialties List: Roster of Scientists and Engineers in	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
		Federal Service	
		Subseries IF. Other	1970, Undated
5	7	Sermons	1970
5	8	Greeting Cards	Undated
5	9	Humor	Undated
5	10	Profile NACA	Undated
Series II: Publications, 1920-1995			
		Subseries IIA. Reports	1920-1990
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
5	11	Air Corps Technical Report. Structural Test Conducted on the Lockheed P-38E Airplane	Undated
5	12	<i>Analysis of Student Longitudinal Stability Flight Test</i> by Robert B. Allan	1947 May 23
5	13	"Analysis of Wing Truss Stresses Including The Effect of Redundancies" Report No. 92	1920
5	14	<i>Army Air Force Technical Report No. 5069 Performance Flight Testing Methods in Use</i> by Paul F. Bikle	1944 February 15
5	15	"B-70 Structural Test at WADC WCLSST"	Undated
5	16	"Detail Requirements for Structural Fatigue Certification Programs" Technical Memorandum WCLS-TM-58-4 Project 1367, Project 1370	1958 June 27
5	17	"The Effects of Load Interaction and Sequence on the Fatigue Behavior of Notched Coupons" by John M. Potter	1971 December 7-8
5	18	"For the Record: The Other Side of the C-5 Story Statements Before the Committee on Armed Services United States House of Representatives" By Daniel J. Haughton, Thomas J. Haley and Thomas R. May	1969 June 17
5	19	"Handbook on Pressure-Breathing Demand Oxygen Equipment" T. O. No. 03-50-31	1944 July 30
5	20	<i>The History of Static Test and Air Force Structures Testing</i> by Bernard C. Boggs Technical Report AFFDL-TR-79-3071	1979
5	21	"Instrument Flying Army Air Force Instrument Approach System" Technical Order No. 30-100F-1; No 30-100F-2	1945 January 15
5	22	"Instrument Flying Basic and Advanced" Technical Order No. 30-100A-1; 30-100B-1; 30-100F-1	1944 January 15
6	1	"Instrument Flying Instrument Trainer Instruction Guide" Technical Order No. 30-100C-1	1943 August 1
6	2	<i>The International System of Units Physical Constants and</i>	1964

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
		<i>Conversion Factors</i> by E.A. Mechtly NASA SP-7012	
6	3	“NASA Metric System Study” by Philip F. Ecker and Owen Carlson NASA CR-1555	1970 February
6	4	“National Aeronautics and Space Administration Research Advisory Committees Office of Advanced Research Technology”	1964 November
6	5	“National Advisory Committee For Aeronautics Report No. 514 The Measurement of the Field of View From Airplane Cockpits” By Melvin N. Gough	1935
6	6	“National Advisory Committee For Aeronautics Report No. 599 Flight Test of the Drag and Torque of the Propeller in Terminal-Velocity Dives” by Richard V. Rhode and Henry A. Pearson	1937
6	7	“Notes on Stability and Control” by Francis W. Rollins From a series of lectures given by Courtland D. Perkins	1945 March
6	8	“Performance Flight Methods Jet Propelled Aircraft” by Nathan Robert Rosengaten AAF Technical Report 5239	1945 June 22
6	9	“Proposed Revision to MIL-008867A Fatigue Test Conformance Criteria”	Undated
6	10	<i>The Safety of Aircraft Structures</i> By A. M. Freudenthal WADC Technical Report 57-131, ASTIA Document No. AD 130910	1957 July
6	11	<i>Space Technology Volume II Spacecraft Mechanical Engineering</i> by James L. Adams NASA SP-66	1965
6	12	“The SST and the National Interest (SST White Paper)” a presentation by William M. Magruder	1971 July
6	13	“Stability and Control Flight Test of B-25 Airplane” by F. J. Ascant, L.F. Helmuth, and R.F. Hoener	Undated
6	14	<i>Standard for Metric Practice</i> E380-70E, IEEE Std 268-1976, Z210.1-1976	1977 September
6	15	<i>A Synopsis of Flying Wing Development 1908-1953</i> by Richard O. Hallion	1986 January 9
6	16	<i>Variations In Fatigue life of Military Aircraft</i> by George N. Mangurian	Undated
6	17	“Vertiflite Article A Status Review of Non-Helicopter V/STOL Aircraft Development” By B. Lindenbaum	1990 March-April
		Subseries IIB. Manuals	1932-1966
6	18	Air Force Flight Dynamics Laboratory	Undated
6	19	Aircraft Icing A.M. Pamphlet 138 Issued by the Department of the Air Member for Training Air Ministry	1943 March
7	1	<i>Airplane commander Training Manual for the Superfortress B-29</i> AAF Manual No. 50-9	1945 February 1
7	2	<i>Airplane Commander Training Manual for the B-32</i>	1945 July 15

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
		<i>Dominator AAF Manual 51-126-7</i>	
7	3	<i>Concise Circular Slide Rules No. 28</i>	Undated
7	4	<i>Elementary Flying Training</i>	1943 April
7	5	<i>A Guide to AAFTB Army Air Force Technical Base Wright-Patterson Fields</i>	1947
7	6	“How to use the Douglas Sky Rule” by A.A. Mahoff	Undated
7	7	<i>The Log, Log Duplex Slide Rule: A Self Teaching Manual with tables of Settings, Equivalentents, and Gauge Paints</i> by William E. Breckenridge	1932
7	8	<i>Pilot’s Manual</i>	1943
7	9	<i>Pilots Training Manual for the A-26</i>	Undated
7	10	<i>Pilots Training Manual for the B-25 AAF Manual No. 50-11</i>	1945 April 1
7	11	<i>Pilot Training Manual for the C-46 Commando AAF Manual No. 50-16</i>	Undated
7	12	<i>Pilot Training Manual for the C-47</i>	Undated
7	13	<i>Pilot Training Manual for the Skytrain C-47</i>	Undated
7	14	<i>Pilot Training Manual for the Lightning P-38</i>	Undated
7	15	<i>Pilot Training Manual for the Mustang P-51</i>	Undated
7	16	<i>Pilot Training Manual for the Thunderbolt P-47</i>	Undated
8	1	<i>Radio Operator’s Information File</i>	1945
8	2	<i>Words of the Computer: An Abridged Glossary of Terms Used in Modern Information Processing</i>	1966
		Subseries IIC. Newsletters/Bulletins	1944-1997
8	3	AIAA Bulletin Vol. 1 No. 7	1964 July
8	4	AIAA Bulletin Vol. 5 No. 1	1968 January
8	5	HQ ASD Bulletin (3 issues)	1965, 1966, 1968
8	6	ASD Personal Briefs Newsletter	1972 January-March, June
8	7	<i>Fairchild Hiller News</i> Vol. 8, No. 4	1971 April
8	8	<i>Flight Test Historian</i> Issue No. 3	1997 April
8	9	Information Bulletin No. 5 “Living off the Southwest Pacific Tropics”	1944 January 15
8	10	Information Bulletin No. 11 “Poisonous and Dangerous Fishes”	1944 February 5
8	11	Saab-Fairchild 340	1983 January/ February
8	12	Bolling AFB, HQ Research and Technology Division Staff Bulletin Number 2	1966 January 11

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
8	13	"The Source" Newsletter of the Fairchild Republic Company Library Vol. 1 No. 4	1981 January-February
8	14	Tomorrow Through Research Newsletter by Southwest Research Institute	1971
8	15	"University of Alabama Alumni Bulletin" Volume XX Number 3	1967 Winter
		Subseries IID. Books	1943-1995
8	16	<i>Dunking Sense</i> , Training Division Bureau of Aeronautics	May 1943
8	17	<i>F-84 High Speed Flight Characteristics</i> , published by direction of WPAFB	Undated
8	18	<i>Wright Laboratory Handbook of Research and Development Facilities</i>	Undated
8	19	<i>High Speed Flight Characteristics of Jet Aircraft</i> published by direction of WPAFB	Undated
8	20	<i>Ice Formation on Aircraft Aerology Series No. 1</i>	Undated
8	21	<i>Influence du Chambrage en Balistique Interieure</i> par W.F. Knacsedt et J.L. Politzer	1967
9	22	<i>Parachute Sense</i> Issued by Training Division Bureau of Aeronautics United States Navy	1943 May
8	23	<i>Technical Foundations for Future Aerospace Vehicles Third Edition</i> by Air Force Flight Dynamics Laboratory	1964 December
8	24	<i>What you should know about....Radioactive Fallout PA-7</i>	1955
8	25	<i>Wright Brothers Historical Walking Trail Huffman Prairie Flying Field Wright-Patterson Air Force Base</i>	1991 June 23
8	26	<i>Wright Field Five Foot Wind Tunnel</i> by James F. Aldridge	Undated
8	27	<i>Wright Field Five-Foot Wind Tunnel: A National Historic Mechanical Engineering Landmark</i>	1995 March 22
		Subseries IIE. Articles	1945-1983
8	28	"Aeronautical Structures Technology-1965" By Richard Hoener AIAA Paper No. 65-368	1965
8	29	"Air Force Air Frame Technology" by W.E. Lamar, R.F. Hoener and W.J. Myktow AIAA Paper No. 68-212	1968 February
8	30	"Another Historical Note on the 1.5 Factor of Safety" by Albert Espsein	Undated
9	1	"An Appraisal of Structures Technology" by Roger A. Anderson AIAA Paper No. 64-531	1964 June 29 – July 2
9	2	<i>Army, Navy, CAA, Standard Airport Traffic Control Procedures</i>	1945 October 15
9	3	"Avions Delanne" Societe Anonyme Francaise de Recherches Aeronautiques	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
9	4	“Basic Information Regarding Strength and Operation of DC-4 and DC-3 Airplanes”	1946 October
9	5	“BMW Gas turbine 6012”	Undated
9	6	“Classic Fighters” by Captain Elliot J. Ryan	1960 September
9	7	“Fatigue and Fracture Mechanics” by Herbert F. Hardrath AIAA Paper No. 70-512	1970 April 22-24
9	8	“If You Do Know Basic....If You Don’t know Basic...”	Undated
9	9	“Investigation of Electrostatic Discharge in Aircraft Fuel Tanks During Refueling” by E. Radgowski, and R. Albercht 78-105	1978 August
9	10	Irwin’s 240-pound Article	1967 December
9	11	“Military Fatigue Handbook” by Walter J. Crinhlow	1972 November
9	12	“NGT Sub-Scale Flight Demonstrator – A Cost-Effective Approach to Aircraft Development” by G. Rosenthal	1982 October
9	13	“Notice Techique Du Napier ‘Rapier’ Moteur d’Aviation a Refroidissement por Air” A.Q.V. e. 135	Undated
9	14	“Practical Method of Crack Growth Analyses for Fighter Aircraft” by M. Levy, A. Sikuo, K. Grube AIAA 80-0405R reprinted from Journal of Aircraft Volume 18 Number 2, Feb. 1981 page 150	1981 February
9	15	“Rating Aircraft Structural Materials for Potential Weight and Cost Effectiveness” by George M. Lehman	Undated
9	16	“Reprint from ‘Full Scale Fatigue Testing of Aircraft Structures’”	1960
9	17	“Return to Malaysia” by Alan Smith	Undated
9	18	“Stress intensity Factors for Two Cracks Emanating From Two holes And Approaching Each Other” by A.S. Kuo, S. Saul, and M. Levy	1983
9	19	“Structural Design Considerations for Cryogenic Fueled Hypersonic Cruse Vehicles” by William H. Goesch, Frank D. Boensch, and Lawrence R. Phillip AIAA Paper No. 68-1088	1968
9	20	“Thin Shells in a Aerospace Structures” (Von Karman Lecture) by Nicholas J. Hoff AIAA Paper No. 66-1022	1966 November-December
9	21	“The Ultimate Strength of Damaged Structure Analysis Methods with Correlating Test Data” by Walter J. Crichlow	1960
9	22	“U.S. Fighters Army-Air Force 1925 to 1980s” by Lloyd S. Jones (copy)	Undated
9	23	“What about Beryllium” by Louis L. Dachs	Undated
		Subseries IIF. Magazines	1935-1965
9	24	<i>American British Aircraft</i> Supplement to Flight	1935 May 23

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
9	25	"The Bristol Review" Engine Issue No. 14	1938 November
9	26	<i>Decca Navigator News</i>	1962 November
9	27	"Lockheed SST State-of-the-Art Report"	Undated
9	28	<i>S.N.C.A.N. Societe National De Construction Aeronautiques Du Nord</i>	Undated
9	29	<i>Survival Under Atomic Attack</i> Reprint of the Official U.S. Government Booklet	Undated
9	30	"United States Air Force Report Fiscal Year 1965"	1965
		Subseries IIG. Other	1924-1999
9	31	Aeronautical Systems Center Oral History Interview, Mr. Jon T. Graves, Deputy Director F-22 System Program Office Conducted By Dr. Paul C. Ferguson Office of History W.P.A.F.B.	1995 January 6
9	32	<i>Arming the Skies: Wright-Patterson Air Forces Base in World War II</i> by Christopher L. Seibert	1995
9	33	"Bristol Aircooled Radical Sleeve-Valve Aero-Engines Single and Double Row"	Undated
9	34	<i>Catalogue officiel Du XXVE Salon International De L'Aeronautique Et De L'espace</i> Aeroport Du Bouget de 7 Juin au 16 Juin 1963	1963 June
10	1	<i>Caudron-Renault Goeland</i>	Undated
10	2	<i>Caudron-Renault Simoun</i>	Undated
10	3	<i>Cloud Dancer Aeroplane Works, Inc. "Jenny"</i>	Undated
10	4	Commemorative Brochures	1989 June, 1992 September, Undated
10	5	<i>Cunningham-Hall Aircraft Corp. Rochester N.Y.</i>	Undated
10	6	<i>Escher Wyss Helices et Regulateurs</i>	Undated
10	7	Fairchild Republic Company "T-46A" Primary Jet Trainer for the United States Air Force	Undated
10	8	"La Cigale"	Undated
10	9	"Licenses of Fairey Aviation Co. LTD"	Undated
10	10	'Merline' Engine	Undated
10	11	Moteurs D'Aviation San Soupapes 'Bristol'	Undated
10	12	<i>The Multipurpose Trainer Fairchild Republic T-46A and AT-46A</i>	Undated
10	13	National Sport Aircraft, Inc. 'Genie'	Undated
10	14	Programs	1963-1999
10	15	<i>Tau Beta Pi The 1982 Register of Major Alumnus Contributors</i>	1982
10	16	"Taylor Cub E-2" TL670.3 .C61 ?	Undated
10	17	International Air Races Dayton, Ohio October 2, 3, 4, 1924 Program	1924

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
11A	1	National Air Races Official Program, Cleveland	1931
11A	2	National Air Races Official Program and Log, Cleveland	1934
11A	3	National Air Races Official Program and Log, Cleveland	1937
11A	4	National Air Races Official Directory and Log, Cleveland	1939
11A	5	National Aircraft Show Registration and News, Detroit	1932
11A	6	National Aircraft Show Official Directory and Log, Dayton	1954
12	1	<i>Catalogue de Profils D'Ailes</i>	1930 November
12	2	<i>Catalogue de Profils D'Ailes</i>	1931 March
12	3	<i>The De Havilland Gipsy Minor Engine</i>	[1938]
12	4	"A 'Flying Squirrel' Flight"	1935 August 15
12	5	<i>Hispano Suiza A.Q.V.e.136</i>	Undated
12	6	<i>Koolhoven Aeroplanes</i>	Undated
12	7	<i>Luffahrt-Zubehor luffahrt-verlag walter zuerl</i>	Undated
12	8	<i>Ministry of Aviation Technical Information The Analysis of Vibration</i>	1963
12	9	<i>Moteurs Potez</i>	Undated
12	10	<i>The New Series 'Bristol' Mercury and Pegasus Air Cooled Radical Engines</i>	Undated
12	11	<i>Wright Laboratory Success Stories A review of 1995</i>	1995
12	12	<i>Wright Laboratory Wright-Patterson Air Force Base, Ohio Technology for the Future</i>	Undated
12	13	<i>XVII Air Material Area Wright-Patterson Air Force Base 15 Day Active Duty Tour</i>	1950 July 16-30
12	14	<i>Your Retirement System: Questions and Answers concerning the Federal Civil Service Retirement Law Pamphlet 18</i>	1949 October, 1959 April
12	15	<i>Zlinska Letecka A.S. "Zlin XII"</i>	Undated
Series III: Audio Visual			1918-1994, undated
		Subseries IIIA: Photographs	1949-1963, Undated
		Sub-subseries III.A.1. Military Aircraft	Undated
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
13	1	Aerona, Airspeed, Avro, Beechcraft	Undated
13	2	Bell, Bellenca, Berliner	Undated
13	3	Boeing, Boulton, Bristol	Undated
13	4	Consolidated, Convair, Culver, Curtiss P-2	Undated
13	5	Curtiss P-36 – Curtiss XP-60	Undated
13	6	Curtiss XP-3A – Curtiss YIP-36	Undated
13	7	Dayton-Wright, DeHavilland, DeWoitine, Diggs Dart,	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
		Douglass C-39	
13	8	Douglass C-47 – Douglass O-38S	Undated
13	9	Douglass Y10-43, Eberhardt, Engineering Division, Ercoupe, Fairchild PT 19	Undated
13	10	Fairchild XPT-23, Flecher, Fleetwing, Fokker, Ford, General Aircraft, General Dynamics, Great Lakes, Grumman, Huff-Daland, Keystone OA-2	Undated
13	11	Laiser-Kaufman, Ling-Temco-Vought (LTV), Detroit-Lockheed, Lockheed P-38E	Undated
13	12	Lockheed P-38G, Loening, Martin, McDonnell, Messerschmitt, Mohawk, North American AT-6	Undated
13	13	North American B-25 – North American P-51	Undated
14	1	North American P-64 – Northrop XP-61	Undated
14	2	Northrop YP-61, Parkard LePere, Pasat Ornithopter, Phillips Multiplane, Piper, Republic, Ryan XPT-16	Undated
14	3	Oversized pictures – F-22, B-2, F-16, F-15 *[located in OS Loc. 83 file 6]	Undated
14	4	Ryan PT-20, Salmson, Seversky, Sperry Messenger, St. Louis	Undated
14	5	Stearman –Stinson	Undated
14	6	Supermarine, Taylor Craft, Thomas Morse, Verville	Undated
14	7	Vickers, Vought, Vultee, Waco	Undated
		Sub-subseries III.A.2. Civilian Aircraft	Undated
14	8	Aeronca, American, Arrow, Barkley-Grow, Beech, Bellanca	Undated
14	9	Boeing, Brewster, Clark, Duramold, Commondaire, Consolidated, Culver, Curtiss-Wright, Curtiss, DeHavilland, Detroit-Lockheed, Dormony, Douglas, Fairchild, Federal	Undated
14	10	Fokker, Grumman, Harlow, Howard, Huff-Deland, Kinner	Undated
14	11	Lockheed, Luscombe, Mercury, Meyers, Monocoupe, New Standard, North American	Undated
14	12	Northrop, Phillips, Piper, Porterfield, Rearwin	Undated
14	13	Ryan, Seversky, Sikorsky, Southern, Spartan, St. Louis, Standard	Undated
14	14	Stearman, Stinson, Thomas Morse, Timm, Travel Air, Vega, Verville, Vought, Waco	Undated
15	1	Movie Airplanes	Undated
15	2	Miscellaneous Aerial View New York, ETC	Undated
15	3	Miscellaneous Missiles/Aircraft Structures	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
15	4	Unidentified planes	Undated
		Sub-subseries III.A.3. Personal	1949-1963
15	5	Wright-Patterson Air Force Base Open House 1 of 7	[ca. 1950s]
15	6	Wright-Patterson Air Force Base Open House 2 of 7	[ca. 1950s]
15	7	Wright-Patterson Air Force Base Open House 3 of 7	[ca. 1950s]
15	8	Wright-Patterson Air Force Base Open House 4 of 7	[ca. 1950s]
15	9	Wright-Patterson Air Force Base Open House 5 of 7	[ca. 1950s]
15	10	Wright-Patterson Air Force Base Open House 6 of 7	[ca. 1950s]
15	11	Wright-Patterson Air Force Base Open House 7 of 7	[ca. 1950s]
15	12	Unidentified group pictures	Undated
15	13	Unidentified Reception pictures	Undated
15	14	No. 1 British Flying Training School, No. 18 Course, Group no. 1 and 2 pictures	Undated
15	15	XVII Air Force Service Command Course Book for Active Book with pictures	1949 September 15- 29,
15	16	Projects Big Wind & Structures, Photos	1958 August 8-11
15	17	Photos- Memories Recovery and Crew Station Branch	Undated
15	18	ASV-1 Launch photographs and information	1963 November
15	19	Unidentified gathering	Undated
15	20	Mechanical Branch photo collage	Undated
15	21	SAE A-12 Aircraft Shock Struts	1952 July1
15	22	Mechanical Branch Test Laboratory	Undated
15	23	Unidentified people	Undated
16	1	Douglas O-46A	Undated
16	2	Douglas O-46A	Undated
16	3	Douglas O-46A	Undated
16	4	Douglas O-46A	Undated
16	5	Douglas O-46A	Undated
16	6	7-Plane line-up of Douglas O-46A's	Undated
16	7	Douglas O-46A	Undated
16	8	Line of 4 Douglas O-46A	Undated
16	9	Line of 6 Douglas O-46A	Undated
16	10	Douglas O-46A	Undated
16	11	Douglas O-46A	Undated
16	12	Douglas O-46A	Undated
16	13	Martin B-10	Undated
16	14	Mitsubishi A5M2B	Undated
16	15	Mitsubishi A6M5 "Resen" (ZERO) Japanese	Undated
16	16	Mitsubishi A6M5 "Resen" (ZERO) Japanese	Undated
16	17	Mitsubishi G4M3 Japanese	Undated
16	18	Mitsubishi J2M3 "Raiden" Japanese	Undated
16	19	Mitsubishi J2 M3 "Raiden" Japanese	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
16	20	Mitsubishi J2 M3 "Raiden" (Thunderbolt) Japanese	Undated
16	21	Mitsubishi J2 M3 "Raiden" (Thunderbolt) Japanese	Undated
16	22	Nakajima B6N1 "Tenzan" Japanese	Undated
16	23	Nakajima Ki-43-Ia "Hayabusa" Japanese	Undated
16	24	Nakajimi Ki-44-Ic "Shoki" Japanese	Undated
16	25	Yokosuka D4Y2 "Swisei" (Comet) Japanese	Undated
16	26	Yokosuka P1Y1 Navy Bomber Ginga Model 11 Japanese	Undated
16	27	Martin B-10	Undated
		Subseries IIB: Negatives	Undated
16	28	3 unidentified men – 1 presenting award to another in front of shelves	Undated
16	29	3 unidentified men- 1 presenting award to another	Undated
16	30	3 unidentified men – one presenting an award	Undated
16	31	3 unidentified men – in front of a computer	Undated
16	32	Unidentified men – 1 man in a uniform	Undated
16	33	Aircraft Laboratory 1 of 7	Undated
16	34	Aircraft Laboratory 2 of 7	Undated
16	35	Aircraft Laboratory 3 of 7	Undated
16	36	Aircraft Laboratory 4 of 7	Undated
16	37	Aircraft Laboratory 5 of 7	Undated
16	38	Aircraft Laboratory 6 of 7	Undated
16	39	Aircraft Laboratory 7 of 7	Undated
16	40	Unidentified group photo	Undated
16	41	Louie Division	Undated
16	42	Louie Division	Undated
16	43	10 year group picture	Undated
16	44	Presentation of an award	Undated
		Subseries IIC. Slides	1918-1919, 1965, circa 1980, Undated
16	45	Table 1 slide X of 16	[ca. 1980]
16	46	Flight Regimes graph Fig. 1 slide 1 of 16	[ca. 1980]
16	47	Flight Regimes graph Fig. 2 slide 2 of 16	[ca. 1980]
17	1	Speed Trends fig. 3 slide 3 of 16	[ca. 1980]
17	2	Grass Weight Trends Fig. 4 slide 4 of 16	[ca. 1980]
17	3	Trends of Aircraft Noise Fig. 5 slide 5 of 16	[ca. 1980]
17	4	Changing Trends in Aircraft Materials Fig. 6 slide 6 of 16	[ca. 1980]
17	5	Structural Weight Fraction Trends Fig. 7, slide 7 of 16	[ca. 1980]
17	6	Materials Usage Fig. 8, slide 8 of 16	[ca. 1980]

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
17	7	F-4 Beryllium Rudder Fig. 9 Slide 9 of 16	[ca. 1980]
17	8	Fig. 10, slide 10 of 16	[ca. 1980]
17	9	Manufacturing Breakdown, Fig. 11 Slide 11 of 16	[ca. 1980]
17	10	Hypersonic Aircraft Structure, Fig. 12 Slide 12 of 16	[ca. 1980]
17	11	Table 2, Slide 13 of 16	[ca. 1980]
17	12	Specific Strength Fig. 13 Slide 14 of 16	[ca. 1980]
17	13	Compression Structure Comparison Fig. 14, Slide 15 of 16	[ca. 1980]
17	14	Graph, Fig. 15 Slide 16 of 16	[ca. 1980]
17	15	Kettering Missile	Undated
17	16	1 st U.S. Missile – Tested 1918-1919 by “Boss” Kettering	1918-1919
18	1	Materials Usage Fig. 8	Undated
18	2	Trends of Aircraft Noise	Undated
18	3	Material Specific Table 2	Undated
18	4	Aeronautical Structures Technology, slide 1 of 18	1965
18	5	Aeronautical Structures Technology, slide 2 of 18	1965
18	6	Aeronautical Structures Technology, slide 3 of 18	1965
18	7	Aeronautical Structures Technology, slide 4 of 18	1965
18	8	Aeronautical Structures Technology, slide 5 of 18	1965
18	9	Aeronautical Structures Technology, slide 6 of 18	1965
18	10	Aeronautical Structures Technology, slide 7 of 18	1965
18	11	Aeronautical Structures Technology, slide 8 of 18	1965
18	12	Aeronautical Structures Technology, slide 9 of 18	1965
18	13	Aeronautical Structures Technology, slide 10 of 18	1965
18	14	Aeronautical Structures Technology, slide 11 of 18	1965
18	15	Aeronautical Structures Technology, slide 12 of 18	1965
18	16	Aeronautical Structures Technology, slide 13 of 18	1965
19	1	Aeronautical Structures Technology, slide 14 of 18	1965
19	2	Aeronautical Structures Technology, slide 15 of 18	1965
19	3	Aeronautical Structures Technology, slide 16 of 18	1965
19	4	Aeronautical Structures Technology, slide 17 of 18	1965
19	5	Aeronautical Structures Technology, slide 18 of 18	1965
		Subseries IID: Other	1994, Undated
20	1	Aviation Maps *[located in OS loc. 83 File 6]	Undated
20	2	VHS – Test Pilots Navy London Airshow, Air Force One, High Flyers, Rocket Ranch, Lindbergh	Undated
		Series IV: Memorabilia	1969, 1974, 1990, Undated
20	3	Commemorative Magazines	Undated

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
20	4	Dead Reckoning Computer	Undated
20	5	Slide Rulers	Undated
20	6	Pins	Undated
20	7	Pins	Undated
20	8	Pins, Tie Tack, plaques	Undated
20	9	Volunteer Recognition – Wright Brothers’ 1905 Hanger Replica construction Award	Oct. 1990
20	10	Commemorative Items	Undated
20	11	Commemorative Items (includes Charles Lindbergh mirror)	Undated
20	12	Commemorative Items	Undated
20	13	Officer’s Touch Football Championship Trophy	Undated
20	14	50 th Anniversary No. 1 British Flying Training School Mug	Undated
20	15	Special Test Instrument award	Undated
20	16	A piece of the Rock (Ne Pier for 150 ton Crane) for 26 years of service to Structures Test Facility	1974 February 23
20	17	Titanium Sponge produced by Oremet	1969

*Oversized Material Loc. 52 files 1 & 2