



Walter E. Burnham Papers

Collection Summary

Title:	Walter E. Burnham Papers
Call Number:	MS 80-02
Size:	22.5 linear feet
Acquisition:	Gift of Mrs. Walter E. Burnham to Wichita State University
Processed By:	RJK, 10-1-1980; Reprocessed by JEF, 8-13-1998; Additional Materials Added by JLY: 9-2007; MN, 9-2008
Note:	None
Restrictions:	None

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Restrictions

None

Content Note

The Walter Burnham Papers include correspondence, engineering drawings, photographs, financial documents, and memorabilia relating primarily to his professional career as an aviation engineer.

Biography

Burnham left Beech Aircraft in 1949 after rising to the position of vice-president of research. He then joined the Boeing Company where he worked until retirement in 1965. While at Boeing, Burnham was instrumental in the organization of the Management Research and Development section. He developed and managed this division from its inception in 1958 until his retirement.

Burnham's work, however, was not confined to the aviation industry. He served as a consulting engineer for a

number of businesses and was often called as an expert witness in legal proceedings which required an engineer's testimony. Burnham's two major consulting efforts were for McCauley Industrial Corporation and the Highway Aircraft Company. For McCauley, Burnham designed and developed a propeller for a target-drone aircraft produced by Radio Plane. For Highway Aircraft, he designed the propulsion system for an experimental automobile. The car was powered by a propeller positioned at the rear of the vehicle. Unfortunately, the car malfunctioned on its first test-run and was never put into production. The failure of the vehicle resulted in extensive litigation between Mr. Burnham and the directors of Highway Aircraft.

Walter Burnham's most memorable contribution to the aviation industry was his design, in collaboration with Herb Rawdon, of the Travel Air Model R, or "Mystery Ship." In 1929, the "Mystery-S", as it came to be known, became the first civilian aircraft to win the Thompson Trophy. Burnham and Rawdon were both employees of Walter Beech at the Travel Air Company. Beech had been consistently frustrated in his attempts to defeat the military planes in the National Air Races and win the Thompson Trophy. After the 1928 races, Beech lamented the poor showing of the commercial entries. In response to Beech's remarks, Burnham and Rawdon designed the Model R. They worked on the project totally in their spare time and totally in secret. When they finished, they showed the plans to Beech who immediately ordered the plane into production. The entire project was kept under wraps, hence the designation "Mystery Ship." At Cleveland in 1929 the plane easily outdistanced all other entries in the National Air Races. Although it was never put into full-scale production, the "Mystery Ship" helped bring about fundamental changes in aircraft design.

Burnham was an organizer of the Kansas Engineering Foundation and served on the Kansas State Board of Engineering Examiners for 13 years. He was also a charter member of the Wichita Professional Engineering Society.

After his retirement, Burnham continued to serve as a consulting engineer and was able to devote much more time to his avocation of building and repairing stringed instruments. Burnham played viola for many years in the Friends University Community Orchestra.

Walter Burnham died on February 7, 1976. He was survived by his wife Dorothea, his son Robert, and daughter Patricia.

Detailed Description: Series Listing

Series 1	Box 1 FF 1-4	Biographical, 1931-1965. Arranged alphabetically. Biographical information on Walter Burnham. Included is a personnel file on Burnham as well as a transcript of a retirement dinner given him in 1965.
Series 2	Box 1 FF 5-8	Correspondence, 1934-1973. Letters to and from Walter Burnham are arranged alphabetically by author. Correspondence concerning a particular business (e.g., Beech, Highway Aircraft, etc.) is filed with the papers of the appropriate company in either the Business Papers or Consulting Work series.
Series 3	Box 1 FF9 - Box 2	Literary Productions, 1942-1965. Papers and speeches authored by Walter Burnham.
Series 4	Box 3 - Box 8 FF9	Business Papers, 1928-1974. Arranged alphabetically. Businesses for which Walter Burnham was an employee. Included are Beech Aircraft Co., Boeing, Freedman-Burnham, Inc., Rawdon Brothers Aircraft, Rawdon-Burnham, Inc., and Travel Air.
Series 5	Box 8 FF 10 - Box 17	Consulting Work, 1937-1974. Arranged alphabetically. Businesses and law firms for which Walter Burnham served as a consulting engineer.

Series 6	Box 18 - Box 19 FF 18	Professional Organizations and Clubs, 1947-1975. Arranged alphabetically. Engineering societies and other professional organizations of which Walter Burnham was a member.
Series 7	Box 19 FF 19 - Box 24 FF 6	Burnham Miscellaneous, 1932-1975. Arranged alphabetically. Miscellaneous materials either authored by Walter Burnham or dealing directly with him. Included are materials on Tri-State College, miscellaneous propeller studies, and Burnham's personal interests.
Series 8	Box 24 FF 7 - Box 28	General Files, 1926-1976. Arranged alphabetically. Miscellaneous materials collected and used by Walter Burnham. Included are technical reports, miscellaneous aircraft studies, and varied general subjects.
Series 9	Box 29 - Box 30	Photographs, 1929-1969. Included are photographs from various airplane manufacturers, as well as slides of the construction of the Highway Aircraft vehicle.
Series 10	Box 31	Memorabilia. This box contains a 1/48 scale model of the Travel Air "Mystery Ship."
Series 11	Box 31A - Box 37	Miscellaneous Materials, 1914-1980. Contains miscellaneous materials, some of which are authored by Walter Burnham, that pertain to aeronautics. Included are papers relating to aircraft, technical papers, reports, magazine and journal articles, aeronautical publications, blueprints, drawings, and photographs.
Series 12	Box 38 and Oversized Folders 1 - 3	Oversized Materials. Includes drawings and aeronautical charts.

Detailed Description: Box and Folder Listing

Series 1 – Biographical

Box 1	FF 1	Biographical sketch of Walter Burnham
Box 1	FF 2	Burnham, Walter - personnel file
Box 1	FF 3	Walter Burnham - "The Man with the Plan"
Box 1	FF 4	Clippings

Series 2 – Correspondence

Box 1	FF 5	Correspondence A-D
Box 1	FF 6	Correspondence E-K
Box 1	FF 7	Correspondence L-R
Box 1	FF 8	Correspondence S-Z

Series 3 – Literary Productions

Box 1	FF 9	“Controllable Pitch Propeller”
Box 1	FF 10	“Controllable Pitch Propellers for Light Airplanes”
Box 1	FF 11	Noise reduction paper
Box 1	FF 12	Propeller papers (File 1)
Box 1	FF 13	Propeller papers (File 2)
Box 1	FF 14	“Propeller Structural Problems and Their Effect on Airplane Structures”
Box 2	FF 1	Propellers - automatic and controllable
Box 2	FF 2	Speech material - miscellaneous
Box 2	FF 3	Speeches

Series 4 – Business Papers

Box 3	FF 1	Beech Aircraft Company: Adhesives
Box 3	FF 2	Beech Aircraft Company: Alloys
Box 3	FF 3	Beech Aircraft Company: Bearings - design data
Box 3	FF 4	Beech Aircraft Company: Civil Aeronautics Air Regulations
Box 3	FF 5	Beech Aircraft Company: Correspondence
Box 3	FF 6	Beech Aircraft Company: Electrical Test report
Box 3	FF 7	Beech Aircraft Company: Flight Test - Beech propeller on Cessna 305A
Box 3	FF 8	Beech Aircraft Company: Flight Test - PT19
Box 4	FF 1	Beech Aircraft Company: Little and Associates: Advanced Oil Hydraulic Motors
Box 4	FF 2	Beech Aircraft Company: Lockheed pusher propeller
Box 4	FF 3	Beech Aircraft Company: Magnesium propeller blade
Box 4	FF 4	Beech Aircraft Company: Method of extrapolating power curves
Box 4	FF 5	Beech Aircraft Company: Model 35
Box 4	FF 6	Beech Aircraft Company: Motor Control Devices
Box 4	FF 7	Beech Aircraft Company: Propeller Assembly
Box 4	FF 8	Beech Aircraft Company: Propeller blade profiling machine

Box 4	FF 9	Beech Aircraft Company: Propeller blades
Box 4	FF 10	Beech Aircraft Company: Propeller characteristics
Box 4	FF 11	Beech Aircraft Company: Propeller design
Box 5	FF 1	Beech Aircraft Company: Propeller design notes
Box 5	FF 2	Beech Aircraft Company: Propeller performance
Box 5	FF 3	Beech Aircraft Company: Propeller performance computations
Box 5	FF 4	Beech Aircraft Company: Propeller proposal for Warner powered airplane
Box 5	FF 5	Beech Aircraft Company: Proposal to Goodyear - target drone study
Box 5	FF 6	Beech Aircraft Company: Silicones
Box 5	FF 7	Beech Aircraft Company: Skinner engine sleeve valve
Box 5	FF 8	Beech Aircraft Company: Transmissions
Box 5	FF 9	Beech Aircraft Company: Turbine data
Box 5	FF 10	Beech Aircraft Company: Universal joint
Box 5	FF 11	Beech Aircraft Company: Vibration
Box 5	FF 12	Beech Aircraft Company: Wooden propeller
Box 6	FF 1	Boeing: Boeing Turbo Prop
Box 6	FF 2	Boeing: Controlled machine tools
Box 6	FF 3	Boeing: "Parade of Progress"
Box 6	FF 4	Boeing: "Simulation of the Longitudinal Control System of a Fire-Fighting Glide Bomb"
Box 6	FF 5	Boeing: Talk to community leaders
Box 6	FF 6	Freedman-Burnham, Inc.: Centrifugal twisting moment - preliminary computations
Box 6	FF 7	Freedman-Burnham, Inc.: Correspondence
Box 6	FF 8	Freedman-Burnham, Inc.: Investigation of hub failure - Model PC203, PX203, and PY203 hubs
Box 6	FF 9	Freedman-Burnham, Inc.: Magnesium propeller blades
Box 6	FF 10	Freedman-Burnham, Inc.: Roby propeller
Box 6	FF 11	Freedman-Burnham, Inc.: Stress analysis

Box 6	FF 12	Freedman-Burnham, Inc.: Variable pitch propellers
Box 7	FF 1	Rawdon Brothers Aircraft: Drawings
Box 7	FF 2	Rawdon Brothers Aircraft: Financial matters (File 1)
Box 7	FF 3	Rawdon Brothers Aircraft: Financial matters (File 2)
Box 7	FF 4	Rawdon Brothers Aircraft: Financial matters (File 3)
Box 7	FF 5	Rawdon Brothers Aircraft: Financial matters (File 4)
Box 7	FF 6	Rawdon Brothers Aircraft: Financial matters (File 5)
Box 7	FF 7	Rawdon Brothers Aircraft: Financial matters (File 6)
Box 7	FF 8	Rawdon Brothers Aircraft: Financial matters (File 7)
Box 7	FF 9	Rawdon Brothers Aircraft: Miscellaneous
Box 7	FF 10	Rawdon Brothers Aircraft: Mortgage account (Burnham account)
Box 7	FF 11	Rawdon-Burnham, Inc.: Chassis structure R511
Box 7	FF 12	Rawdon-Burnham, Inc.: Dayton University Tire Test Machine
Box 7	FF 13	Rawdon-Burnham, Inc.: Tri-State Wind Tunnel
Box 8	FF 1	Travel Air: Design data information
Box 8	FF 2	Travel Air: Drawings
Box 8	FF 3	Travel Air: Miscellaneous (File 1)
Box 8	FF 4	Travel Air: Miscellaneous (File 2)
Box 8	FF 5	Travel Air: Model 15 design data and cost estimate
Box 8	FF 6	Travel Air: Monoplane
Box 8	FF 7	Travel Air: "Mystery Ship"
Box 8	FF 8	Travel Air: "Mystery Ship" design analysis handbook (Note: This notebook is shelved after Box 31.)
Box 8	FF 9	Travel Air: "The Story of Travel Air"

Series 5 – Consulting Work

Box 8	FF 10	Alon, Aircraft: (see also: Product Engineering Company): Alon, Inc.
Box 8	FF 11	Alon, Aircraft: Alon, Inc. - FAA
Box 8	FF 12	Alon, Aircraft: Alon, Inc. - Mooney Aircraft

Box 8	FF 13	Alon, Aircraft: Alon, Inc. - receipts
Box 8	FF 14	Alon, Aircraft: Drawing (Note: This drawing is filed in drawer 1 of the oversized documents case.), Engine installation (Note: This drawing is filed in compartment 1 of the rolled documents case.)
Box 9	FF 1	Baker I. V. Alert
Box 9	FF 2	Baker, W. K.
Box 9	FF 3	Barkley-Grow Aircraft
Box 9	FF 4	Bockenstette, Joe - aerial spraying
Box 9	FF 5	Burnham Products
Box 9	FF 6	Burnham Products, Inc. (Note: These drawings are filed in drawer 1 of the oversized documents case.)
Box 9	FF 7	Carlson Company
Box 9	FF 8	Fairhurst, John - mini-pie production
Box 9	FF 9	Flottorp Mfg. Co.: Continental Motors
Box 10	FF 1	Flottorp Mfg. Co.: Correspondence
Box 10	FF 2	Flottorp Mfg. Co.: Drawing - balance fixture (Note: This drawing is filed in drawer 1 of the oversized documents case.)
Box 10	FF 3	Flottorp Mfg. Co.: Drawings
Box 11	FF 1	Flottorp Mfg. Co.: Lycoming-Spencer - Hydro Control Valve
Box 11	FF 2	Flottorp Mfg. Co.: Miscellaneous
Box 11	FF 3	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'B'
Box 11	FF 4	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'C'
Box 11	FF 5	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'D'
Box 11	FF 6	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'E'
Box 12	FF 1	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'F'
Box 12	FF 2	Highway Aircraft: re: Burnham vs. Highway Aircraft: Plaintiff's exhibit 'G'
Box 12	FF 3	Highway Aircraft: Correspondence
Box 12	FF 4	Highway Aircraft: Doty, Johnson, and Summers - re: Burnham vs. Highway Aircraft
Box 12	FF 5	Highway Aircraft: Drawings (Note: These drawings are filed in drawers 1 and 2 of the oversized documents case.), Drawings (Note: These drawings

are filed in compartments 2 and 3 of the rolled documents case.)

Box 12	FF 6	Highway Aircraft: Expenses and invoices
Box 12	FF 7	Highway Aircraft: Miscellaneous
Box 12	FF 8	Highway Aircraft: Reports
Box 12	FF 9	Highway Aircraft: VW engine data
Box 13	FF 1	Ledwinka, J. - propeller hub
Box 13	FF 2	McCauley Industrial Corporation: Contracts
Box 13	FF 3	McCauley Industrial Corporation: Correspondence
Box 13	FF 4	McCauley Industrial Corporation: Expenses and invoices
Box 13	FF 5	McCauley Industrial Corporation: Feathering propeller
Box 13	FF 6	McCauley Industrial Corporation: Feathering propellers
Box 13	FF 7	McCauley Industrial Corporation: Feathering pump unit
Box 14	FF 1	McCauley Industrial Corporation: Feathering systems
Box 14	FF 2	McCauley Industrial Corporation: Feathering systems - preliminary data
Box 14	FF 3	McCauley Industrial Corporation: General management policies
Box 14	FF 4	McCauley Industrial Corporation: Hub design; Hub design - drawings (Note: These drawings are filed in compartment 4 of the rolled documents case.)
Box 14	FF 5	McCauley Industrial Corporation: Lock Thread Corporation
Box 14	FF 6	McCauley Industrial Corporation: Lycoming manufacturing
Box 14	FF 7	McCauley Industrial Corporation: Met-L-Prop - repair and maintenance handbook
Box 14	FF 8	McCauley Industrial Corporation: Patentability search; Propeller assembly (Note: These drawings are filed in compartment 5 of the rolled documents case.)
Box 15	FF 1	McCauley Industrial Corporation: Propeller D2517
Box 15	FF 2	McCauley Industrial Corporation: Propeller data
Box 15	FF 3	McCauley Industrial Corporation: Propeller drawings
Box 15	FF 4	McCauley Industrial Corporation: Propeller E2005
Box 15	FF 5	McCauley Industrial Corporation: Proposal - design no. TP45-4260
Box 15	FF 6	McCauley Industrial Corporation: Radio Plane: Airplane and engine data

Box 15	FF 7	McCauley Industrial Corporation: Radio Plane: Boeing turbine
Box 15	FF 8	McCauley Industrial Corporation: Radio Plane: Constant speed propeller
Box 15	FF 9	McCauley Industrial Corporation: Radio Plane: Correspondence
Box 15	FF 10	McCauley Industrial Corporation: Radio Plane: Miscellaneous
Box 15	FF 11	McCauley Industrial Corporation: Radio Plane: Miscellaneous drawing (Note: This drawing is filed in drawer 2 of the oversized documents case.)
Box 15	FF 12	McCauley Industrial Corporation: Radio Plane: Performance computations
Box 16	FF 1	McCauley Industrial Corporation: Radio Plane: Photos and miscellaneous data
Box 16	FF 2	McCauley Industrial Corporation: Radio Plane: Proposal
Box 16	FF 3	McCauley Industrial Corporation: Radio Plane: Report on RP77 propeller
Box 16	FF 4	McCauley Industrial Corporation: Radio Plane: RP77 drawings
Box 16	FF 5	McCauley Industrial Corporation: Radio Plane: RP77 Lycoming propeller
Box 16	FF 6	McCauley Industrial Corporation: Radio Plane: RP77 performance computations
Box 16	FF 7	McCauley Industrial Corporation: Radio Plane: Target drone
Box 16	FF 8	McCauley Industrial Corporation: Radio Plane: Target drone drawings
Box 16	FF 9	McCauley Industrial Corporation: Radio Plane: Target drone propeller
Box 17	FF 1	McCauley Industrial Corporation: Royalty earnings; Stop latch (Note: This drawing is filed in compartment 6 of the rolled documents case.)
Box 17	FF 2	McCauley Industrial Corporation: Three-way hub
Box 17	FF 3	McCauley Industrial Corporation: Time packet - featuring and radio plane
Box 17	FF 4	McCauley Industrial Corporation: V401/E propeller; Miscellaneous controllable pitch propeller (Note These drawings are filed in compartments 7 and 8 of the rolled documents case.)
Box 17	FF 5	Mooney Corporation
Box 17	FF 6	Plastic Fabricating Company, Inc.
Box 17	FF 7	Professional Engineering Consultants
Box 17	FF 8	Product Engineering and Mfg. Company (see also: Alon Aircraft)
Box 17	FF 9	Product Engineering and Mfg. Co. (Note: These drawings are filed in drawer 2 of the oversized documents case.)

Box 17	FF 10	Ratner, Mattor, and Ratner - re: Omar vs. Parsons Co.
Box 17	FF 11	Rumsey, Richard H.: Fire report
Box 17	FF 12	Rumsey, Richard H.: re: Robbins vs. Union Steel Products
Box 17	FF 13	Short and Short - re: Crabtree vs. Honda
Box 17	FF 14	Stone Propeller Company
Box 17	FF 15	Stone Propeller Company - stress analysis
Box 17	FF 16	Stone Propeller Company - test and correspondence; Stone Propeller Company - two-blade wood propeller (Note: This drawing is filed in compartment 9 of the rolled documents case.)
Box 17	FF 17	Westholt Manufacturing Co.; Woodward Governor Co. - Governor alteration (Note: This drawing is filed in compartment 10 of the rolled documents case.)

Series 6 – Professional Organizations

Box 18	FF 1	Engineers Foundation of Kansas
Box 18	FF 2	Kansas Advisory Council for Kansas Technical Services Program
Box 18	FF 3	Kansas Engineer Society
Box 18	FF 4	Kansas Engineering Society - NSPEE Education Study Committee
Box 18	FF 5	Kansas State Board of Engineering Examiners: Aeronautical engineering exam
Box 18	FF 6	Kansas State Board of Engineering Examiners: Agricultural engineering exam
Box 18	FF 7	Kansas State Board of Engineering Examiners: Chemical engineering exam
Box 18	FF 8	Kansas State Board of Engineering Examiners: Civil engineering exam
Box 18	FF 9	Kansas State Board of Engineering Examiners: Communications engineering exam
Box 18	FF 10	Kansas State Board of Engineering Examiners: Electrical engineering exam
Box 18	FF 11	Kansas State Board of Engineering Examiners: Fire protection engineering exam
Box 18	FF 12	Kansas State Board of Engineering Examiners: Geological engineering exam
Box 18	FF 13	Kansas State Board of Engineering Examiners: Industrial engineering exam

Box 18	FF 14	Kansas State Board of Engineering Examiners: Mechanical engineering exam
Box 18	FF 15	Kansas State Board of Engineering Examiners: Miscellaneous
Box 19	FF 1	Kansas State Board of Engineering Examiners: Petroleum engineering exam
Box 19	FF 2	Kansas State Board of Engineering Examiners: Reports on complaints
Box 19	FF 3	Kansas State Board of Engineering Examiners: Sanitary engineering exam; Society of Automotive Engineers (Note: These documents are filed in compartment 11 of the rolled documents case.)
Box 19	FF 4	Kansas State Board of Engineering Examiners: Structural engineering exam
Box 19	FF 5	Kansas State Board of Engineering Examiners: Suggestions to proctors
Box 19	FF 6	Kansas State Board of Engineering Examiners: Work measurement and method
Box 19	FF 7	National Advisory Committee for Aeronautics: Aerodynamic characteristics - Series 16 (Note: These graphs and drawings are filed in drawer 2 of the oversized documents case.)
Box 19	FF 8	National Advisory Committee for Aeronautics: Aircraft circulars
Box 19	FF 9	National Advisory Committee for Aeronautics: Circulars index
Box 19	FF 10	National Advisory Committee for Aeronautics: Jet ejectors and augmenters
Box 19	FF 11	National Advisory Committee for Aeronautics: Propeller data
Box 19	FF 12	National Advisory Committee for Aeronautics: Review - "Bending and Shearing Stress..."
Box 19	FF 13	National Advisory Committee for Aeronautics: Technical memos
Box 19	FF 14	National Advisory Committee for Aeronautics: Technical notes
Box 19	FF 15	National Advisory Committee for Aeronautics: Technical reports
Box 19	FF 16	National Association of Trade and Technical Schools
Box 19	FF 17	NCSBEE (National Board of Engineering Examiners)
Box 19	FF 18	OX5 Club

Series 7 – Burnham Miscellaneous

Box 19	FF 19	"Airplane History in Wichita" - notes
Box 19	FF 20	Automobile design notes
Box 19	FF 21	Automobile insurance

Box 19	FF 21A	Aviation Safety Manuals of Procedure
Box 19A	FF 1	B-1 Airplane
Box 19A	FF 2	Bowman, J. H.
Box 19A	FF 3	Brakes & transmission
Box 19A	FF 4	Burnstein & Applebee
Box 20	FF 1	Chemistry notebook
Box 20	FF 2	Drafting notebook
Box 20	FF 3	Garden tractor
Box 20	FF 4	Gas rationing - 1944 application
Box 20	FF 5	Houston instruments
Box 20	FF 6	LC2-100 ("Red Baron") - general arrangement
Box 20	FF 7	Miscellaneous aircraft computations
Box 20	FF 8	Miscellaneous conference notes
Box 20	FF 9	Miscellaneous engineering notes
Box 20	FF 10	Miscellaneous receipts
Box 21	FF 1	Noise reduction
Box 21	FF 2	Notes on SAE presentation
Box 21	FF 3	Poultry receipts
Box 21	FF 4	Porterfield NC 34815 records
Box 21	FF 5	Propeller analysis
Box 21	FF 6	Propeller balance computations
Box 21	FF 7	Propeller blade strip analysis
Box 22	FF 1	Propeller performance analysis
Box 22	FF 2	Propeller performance computations
Box 22	FF 3	Propeller prototype - expense
Box 22	FF 4	Propellers: Computations of element characteristics
Box 22	FF 5	Propellers: Hamilton Standard Method of Propeller Performance Calculation

Box 22	FF 6	Propellers: Miscellaneous propeller data
Box 22	FF 7	Propellers: Steel blade design
Box 22	FF 8	Propellers: V 401/E
Box 23	FF 1	Recommendations
Box 23	FF 2	Scherl & Roth, Inc.
Box 23	FF 3	Schober Organ Co.
Box 23	FF 4	Securities
Box 23	FF 5	Slope Tractor Co.
Box 23	FF 6	Smithsonian Institution - National Air and Space Museum
Box 23	FF 7	Snowmobile (File 1)
Box 23	FF 8	Snowmobile (File 2)
Box 23	FF 9	Snowmobile drawings (Note: These drawings are filed in drawer 2 of the oversized documents case.); Snowmobile drawings (Note: These drawings are filed in compartment 12 of the rolled documents case.)
Box 23	FF 10	Synod Mission Causes - Budget Committee
Box 23	FF 11	Tax deductions
Box 23	FF 12	Travel schedule, August-Sept. 1961
Box 23	FF 13	Tri-State College: Bulletin - June 1935
Box 23	FF 14	Tri-State College: English course - summer 1932
Box 24	FF 1	Tri-State College: Grade book and notes
Box 24	FF 2	Tri-State College: Lecture notes
Box 24	FF 3	Tri-State College: Portable wind tunnel
Box 24	FF 4	Tri-State College: Wind tunnel
Box 24	FF 5	Violin data
Box 24	FF 6	West Side United Presbyterian Church

Series 8 – General Files

Box 24	FF 7	AIAA
Box 24	FF 8	Aeronautical charts (Note: These charts are filed in drawer 1 of the oversized documents case.)

Box 24	FF 9	Air Corps Standard Parts Tabulation
Box 24A	FF 1	Air Corps Standards Book
Box 24A	FF 2	Aircraft Tubing Data, 1941
Box 24A	FF 3	Airfoil material
Box 25	FF 1	Airplane design
Box 25	FF 2	"Airplane Design" - War Department Air Service
Box 25	FF 3	"Airwheels for Airplanes"
Box 26	FF 1	Allison
Box 26	FF 2	American Institute of Aeronautics and Astronautics
Box 26	FF 3	Ampac Company
Box 26	FF 4	Atlantic Diesel
Box 26	FF 5	Automobile - postwar; Automobile design - Bob Burnham (Note: These drawings are filed in compartment 13 of the rolled documents case.)
Box 26	FF 5A	Bendix Radio - NA-3 VHF Omni-Directional Navigational System Part 1 Operation manual, 1947
Box 26	FF 6	Bifano-Johnstone Aircraft Co. - JV 101
Box 26	FF 7	Burnham R. W. - "Preliminary Design of a light 4-plane Airplane..."
Box 26	FF 8	Church Union
Box 26	FF 9	Consolidated Vultee Aircraft - "Development of Precision Radio Controlled...Models"
Box 26	FF 10	Controls
Box 26	FF 11	Council of Churches
Box 26	FF 12	Crash studies
Box 26	FF 13	Curtiss Aeroplane and Motor Co. - rib wing
Box 27	FF 1	Department of Commerce - bid information
Box 27	FF 2	Development of Airfoil series
Box 27	FF 3	Ely, Larry
Box 27	FF 4	Friends University Concerts
Box 27	FF 5	General aircraft computations

Box 27	FF 6	Goodyear; House blueprints (Note: These drawings are filed in compartment 14 of the rolled documents case.)
Box 27	FF 7	Imbler, Nancy
Box 27	FF 8	Jet transportation information
Box 27	FF 9	Kansas State College Extension Service - Expansible Farm House
Box 27	FF 10	Lycoming - miscellaneous notebooks
Box 27	FF 11	Lycoming-Spencer
Box 27	FF 12	Main Free Vibrations of an Auto Car
Box 27	FF 13	"Memorandum on an Examination of Aviation Industry and Variable Pitch Propellers"
Box 27	FF 14	Mid-States Industrial Clutch
Box 27	FF 15	Miscellaneous aircraft information (Note: This notebook is filed after Box 31.), Miscellaneous drawings: Airfoils, House sketch, Nose bug, Propeller, Unidentified (Note: These drawings are all filed in compartments 15 and 16 of the rolled documents case.)
Box 27	FF 16	Nevill, Joseph - "The Story of Wichita"
Box 27	FF 16A	Pilot's booklets
Box 28	FF 1	Propeller patents
Box 28	FF 2	Propeller specifications - USAF
Box 28	FF 3	Ranger Engineering Corp. - Installation engines 6-390
Box 28	FF 4	Ranger 6-4400-1 engine
Box 28	FF 5	Rivets
Box 28	FF 6	Rockets
Box 28	FF 7	Rowley Jenny propeller
Box 28	FF 8	Rubber
Box 28	FF 8A	Safety Releases
Box 28	FF 9	Shock absorbers
Box 28	FF 10	Shock absorbers and fuel injector
Box 28	FF 11	Society of Automotive Engineers Index to papers
Box 28	FF 12	Stearman propeller

Box 28	FF 13	Sweet, Bill - "Story of the Mystery-S," <i>Wingspan Magazine</i> , Oct. 1959
Box 28	FF 13A	<i>The Story of Travel Air</i>
Box 28	FF 14	Visciometers theory
Box 28	FF 15	Windmill pump
Box 28	FF 16	Windmill test set-up

Series 9 – Photographs

Box 29	FF 1	Barkley-Grow, Inc.
Box 29	FF 2	Freedman-Burnham, Inc.
Box 29	FF 3	Highway Aircraft (37 slides)
Box 29	FF 4	Miscellaneous aircraft parts
Box 29	FF 5	Miscellaneous aircraft parts and production
Box 29	FF 6	Miscellaneous photos
Box 29	FF 7	Travel Air Company
Box 29	FF 8	Wind Tunnel
Box 30		Engineering graphs (57 lantern slides)

Series 10 – Memorabilia

Box 31		Travel Air "Mystery Ship" - 1/48 scale model
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Series 11 – Miscellaneous Materials

Box 31A		Design Analysis Handbook by H. Rawdon and Walter E. Burnham (original and photocopy)
Box 32	FF 1	Magazine articles from <i>Aero Digest</i> and <i>Aviation</i> dated from 1926-1931
Box 32	FF 1A	Magazine articles from <i>Aero Digest</i> and <i>Aviation</i> dated from 1926-1931
Box 32	FF 1C	Technical Standards Orders
Box 32	FF 2	Technologic Papers of the Bureau of Standards: No. 165 Enamels for sheet iron and steel, July 22, 1920
Box 32	FF 3	Technologic Papers of the Bureau of Standards: No. 200 An investigation of oxyocetylene welding and cutting blowpipes, with special reference to their design, safety, and economy in operation, December 28, 1921

Box 32	FF 4	Scientific papers of the Bureau of Standards No. 235 (1914), 347 (1919), and 426 (1921)
Box 32	FF 5	National Advisory Committee for Aeronautics: Bibliography of Aeronautics, 1932
Box 32	FF 6	The Institute of the Aeronautical Sciences and Aeronautical Library and Museum, New York City (Leaflet)
Box 32	FF 7A	SAE Papers (Society of Automotive Engineers), 1953-1960
Box 32	FF 7B	SAE Papers (Society of Automotive Engineers), 1953-1960
Box 32	FF 7C	SAE Papers (Society of Automotive Engineers), 1953-1960
Box 32	FF 7D	SAE Papers (Society of Automotive Engineers), 1953-1960
Box 32	FF 8	Papers dealing with aircraft engines
Box 32	FF 9	Paper entitled: An "Ideal" Transmission
Box 32	FF 10	Papers dealing with Motor Cars, Motor Coaches, Motor Trucks
Box 32	FF 11	Paper dealing with Tocco Hardening
Box 32	FF 12	Paper entitled "Piston Lacquering, Its Causes and Care," 1945
Box 32	FF 13	Paper entitled "Prevention of Landing Wheel Tires," 1943
Box 32	FF 14	Paper entitled "Method of Applying Production Design to Aircraft," 1943
Box 32	FF 15	Paper entitled "Invention for Victory," 1942
Box 32	FF 16	Paper entitled "Ground Tests vs. Flight Tests of Airplane Engine Installations," 1942
Box 32	FF 17	Paper entitled "Field Maintenance and Repair of Fighting Airplanes," 1943
Box 32	FF 18	Paper entitled "Developments of the Oil Industry in Austria and Romaina," 1946
Box 32	FF 19	Paper entitled "Cold Starting and Fleet Operation," 1945
Box 32	FF 20	Papers dealing with aircraft suspension, 1946
Box 32	FF 21	Papers dealing with aircraft windshields, 1943
Box 32	FF 22	Paper entitled "Substitutes for Tin Manufacture of Automobiles," 1946
Box 32	FF 23	Paper entitled "The Driver's Comfort," 1946
Box 32	FF 24	Papers dealing with automobile design and survey, 1945-1946
Box 32	FF 25	Paper entitled "Methods for Calculating Torsional Vibration," 1945

Box 32	FF 26	Papers dealing with depreciation and retirement of vehicles, 1946
Box 32	FF 27	Papers dealing with alloy and alloy tubing, 1942
Box 32	FF 28	Paper entitled "Airports as Affected by Aircraft Performance and Weight," 1945
Box 32	FF 29	Papers dealing with aeronautical, airworthiness, and automotive standards, 1942, 1945
Box 32	FF 30	Papers dealing with helicopter design, 1945
Box 32	FF 31	Paper entitled "Some Advantages and Limitations of Centrifugal and Axial Aircraft Compressors," 1945
Box 32	FF 32	Paper entitled "Alcohol-Water Injection," 1945
Box 32	FF 33	Reports of German Equipment, 1946
Box 32	FF 34	Paper entitled "New Synthetic Lubricants," 1946
Box 32	FF 35	Paper entitled "Aircraft Lighting," 1945
Box 32	FF 36	Papers dealing with heating in automobile and aircraft engines, 1945
Box 32	FF 37	Paper entitled "Air Fixtures and Air Controls," 1946
Box 32	FF 38	Paper entitled "Wartime Fabric Developments of Significance to the Automotive Industry," 1945
Box 32	FF 39	Paper entitled "The Possibilities of Shaved Gears for Aircraft Engines," 1943
Box 32A	FF 1	Paper entitled "Operating Temperatures and Stresses of Aluminum Aircraft Engine Parts," 1943
Box 32A	FF 2	Paper entitled "L-4 Oxidation Engine Test," 1945
Box 32A	FF 3	Papers dealing with diesel engines, 1945-1946
Box 32A	FF 4	Papers dealing with electronics in aircraft, 1945
Box 32A	FF 5	Paper entitled "The Detection of Detonation and Other Operating Abnormalities in Aircraft Engines by Means of Special Instrumentation," 1945
Box 32A	FF 6	Papers dealing with lightplane design and development, 1942
Box 32A	FF 7	Papers dealing with marketing personal airplanes, 1944-1945
Box 32A	FF 8	Papers dealing with marketing and financing of local air transport, 1945
Box 32A	FF 9	Paper entitled "Cooling Characteristics of Steel and Aluminum Finned Cylinders for in Line Air-Cooled Engines," 1943

Box 32A	FF 10	Paper entitled "Control Cabin Development," 1945
Box 32A	FF 11	Paper entitled "Making the Cockpit Practical for the Pilot," 1945
Box 32A	FF 12	Paper entitled "Silver Bearings," 1945
Box 32A	FF 13	Papers dealing with hydraulic brakes and hold design, 1945-1946
Box 32A	FF 14	Paper entitled "Development of Atomic Energy," 1946
Box 32A	FF 15	Paper entitled "Methods of Specifying Materials," 1946
Box 32A	FF 16	Paper entitled "Latest Developments in Honing Techniques," 1946
Box 32A	FF 17	Paper entitled "The White Hydro Torque Drive," 1946
Box 32A	FF 18	Paper entitled "A Resume of Desirable Characteristics for Non-Stalling Non-Spinning Airplanes," 1945
Box 32A	FF 19	Paper entitled "The Effect of Interference Errors on the Tooth Thickness of Splines and Spline Gages," 1946
Box 33	FF 1	Civil Pilot Training Manual, Civil Aeronautics Bulletin No. 73, September 1941
Box 33	FF 2	Beechcraft Model 17 Service Manual, Beech Aircraft Corporation
Box 33	FF 3	<i>Aircraft Drafting Room Manual</i> by James S. Thompson, 1939
Box 33	FF 4	Service Manual for Mclauley Model 2A36C Met-L-Matic Constant Speed Propeller
Box 33	FF 5	Miscellaneous Papers from the National Advisory Committee for Aeronautics, 1933-1942
Box 33	FF 6	<i>Air Corps Information Circular</i> Nos. 600-647 (May 15, 1928 - March 1, 1930)
Box 33	FF 7	Miscellaneous Aviation magazine articles mostly undated, but few are dated 1932
Box 33	FF 8	ANC-5 Strength of Aircraft Elements issued by the Army-Navy Civil Committee on Aircraft Design Criteria, December 1942
Box 33	FF 9	Papers presented at the Air Force - Aircraft Industries Association Conference on Structural Adhesives for Metals and Sandwich Construction 15-16 December 1952, Engineers Club of Dayton, Dayton, Ohio
Box 33	FF 10	<i>Aircraft Engine Drafting Room Practice</i> , January 1, 1944, Society of Automotive Engineers, Inc.
Box 33	FF 10A	Aviation's Aircraft Handbook
Box 33	FF 11	Various journal articles related to aircraft propeller analysis (Improved Blade Element), 1929-1934

Box 33	FF 12	Information on Wright Aero Corporation Engines, Pratt & Whitney Aircraft Engines and Hamilton Standard Propellers, dated 1948-1949
Box 33	FF 13	<i>Feasibility Study New York State Safety Car Program</i> prepared by Fairchild Hiller: Republic Aviation Division, August 31, 1966
Box 33	FF 14	Paper entitled "The Two-Dimensional Problem of an Aerofoil in Arbitrary Motion Taking into Account the Partial Motions of the Fluid," January 15, 1943
Box 33	FF 15	<i>Investment Costing Engineering and Design Manual</i> , 1957
Box 33	FF 16	"An Analytical Method for Correlating Fluid Flow Phenomena," a report prepared by Fairchild Aircraft, 1955
Box 33	FF 17	"Simplification of Boolean Functions" by M. J. Moortgat in the Technical Information Series by the Computer department of General Electric, 1964
Box 33	FF 18	Paper entitled "The Role of Exponential and PCTR Experiments at Hanford in the Design of Large Power Reactors" by R. E. Heireman
Box 34	FF 1	"A Teaching Guide for Slide Rule Instruction" by Maurice L. Hartung, 1960
Box 34	FF 2	Annual Report: Development of a Liquid Annular Ring Type of Air Compressor, May 1952
Box 34	FF 3	Engineering Report No. 461.31: A Simplified Theoretical Investigation of a Wing-Propeller Combination Through a Range of Angle-of-Attack from 0° to 90° from Hiller Helicopter, 1956
Box 34	FF 4	Report on Design and Construction of the Axial Flow Pump Test Facility, June 1953
Box 34	FF 5	ARD-24 Wind Tunnel Test of Several Directed Propellers in Non-Axial Flow from the Division of Hiller Aircraft Corporation, May 27, 1959
Box 34	FF 6	<i>Fundamentals of the Stability of Peripheral Jet Vehicles</i> Vol. 3 from Systems Engineering Division, Pneumodynamics Corporation, November 1960
Box 34	FF 7	Tactical Weapon Systems Operations Technical Report: State of the Art Summary Air-Cushion Vehicles prepared by Aeronutronic, a division of Ford Motor Company, June 1960
Box 34	FF 8	Special Programs Operations Technical Report: Overland Air-Cushion Vehicle Stability and Control Wind Tunnel Experiments prepared by Aeronutronic, a division of Ford Motor Company, November 1961
Box 34	FF 9	"Young Men in Aeronautics: A Twenty-Year Progress Report of the Lawrence B. Sperry Award," 1957
Box 34	FF 10	Proposed Draft of Aeronautics Bulletin No. 26: Design Information for Aircraft, August 3, 1933
Box 34	FF 11	Aeronautics Bulletin No. 7-H Air Commerce Regulations Alternation and Repair of Aircraft, January 1, 1933

Box 34	FF 12	<i>Air Service Information Circular</i> , 1921-1931
Box 34	FF 12A	Civil Aeronautics Administration - Airworthiness Directive Summary, 1952
Box 34	FF 12B	Civil Aeronautics Administration - Personal Aircraft Inspection Manual, 1950
Box 34	FF 12C	Civil Aeronautics Administration - Manuals & Supplements
Box 34	FF 13	Civil Air Regulations, U.S. Department of Commerce, Bureau of Air Commerce, 1937
Box 34	FF 14	Papers presented at the Society of Automotive Engineers, 1937
Box 34	FF 15	Paper presented at the Institute of the Aeronautical Sciences entitled "Propeller Design Requirements," 1944
Box 34	FF 16	Air Commerce Manual No. 18: Repair and Alteration of Aircraft
Box 34	FF 17	<i>S.A.E. (Society of Automotive Engineers) Journal</i> , 1930-1940
Box 34	FF 18	National Advisory Committee for Aeronautics Report Nos. 460 & 610 (1933 and 1937)
Box 34	FF 19	Papers presented to the Society of Automotive Engineers Annual meeting dealing with Aircraft design, 1943 and 1948
Box 34	FF 20	Papers presented to the Society of Automotive Engineers Annual meeting dealing with Aircraft design, 1950, 1951, and 1960
Box 34	FF 21	<i>Design and Control of Concrete Mixtures</i> , published by the Portland Cement Association, 1952
Box 34	FF 22	Miscellaneous paper nos. 39 & 43 by the National Advisory Committee for Aeronautics dated 1934 and 1937
Box 34	FF 23	Leaflets put out by the Beryllco Company dealing with the production and use of beryllium dated 1963
Box 34	FF 24	Report entitled "Development of improved Fabrication Methods, Process and Techniques for Producing Typical Aircraft Slopes from Beryllium" prepared by Nuclear Metals, Inc., March 25, 1963
Box 34A	FF 1	Report entitled "The Firestone Air Spring" prepared by the Aviation Products Research Firestone Aircraft Co., 1945
Box 34A	FF 2	Papers presented to the Society of Automotive Engineers Annual meetings dated from 1957 to 1964
Box 34A	FF 3	Papers presented to the Society of Automotive Engineers Annual meeting dated 1957
Box 34A	FF 4	Paper from the Bureau of Aeronautics Navy Department, Technical Note No. 17 "Flying Boat Hulls, P-5 and N-4 as Designed by Lieutenant Colonel Linton Hope, R.A.F.," 1923

Box 34A	FF 5	<i>Technical Aerodynamics: A Textbook of Airplane Performance and Stability Calculations with Examples and Problems</i> (1934) by Karl D. Wood
Box 34A	FF 6	Series of articles put out by the United States Model Aircraft Corporation
Box 34A	FF 7	Annual Reports of the National Advisory Committee for Aeronautics, 1932-1937
Box 35	FF 1	The ANC Bulletin: Wood Aircraft Inspection and Fabrication issued by Army-Navy-Civil Committee on Aircraft Design Criteria under the supervision of the Aeronautical Board, 1943
Box 35	FF 2	<i>Air Corps Information Circular</i> No. 584 (March 1, 1927) and the <i>Air Service Information Circular</i> , 1922-1930 in an Engineering Notes Book No. B
Box 35	FF 3	<i>Air Corps Information Circular</i> , 1922-1927 in an Engineering Notes Book No. 4
Box 35	FF 4	<i>Air Corps Information Circular</i> dealing with engines as found in a notebook
Box 35	FF 5	Papers presented to the Society of Automotive Engineers national meeting, October 2-6, 1956
Box 35	FF 6	Notebook entitled "International Violin, Guitar Makers and Musicians" from the Violin and Guitar Makers Association of Arizona, 1967-1968
Box 35	FF 7	National Advisory Committee for Aeronautics: List of Technical Memorandums
Box 35	FF 8	Catalogs for Luon electronic switches, 1965
Box 35	FF 9	National Advisory Committee for Aeronautics: Index of Technical Notes on Aeronautical Research, June 1940
Box 35	FF 10	United States Department of Commerce Aeronautics Branch: Proposed Amended Draft of Aeronautics Bulletin No. 7-A Airworthiness Requirements for Aircraft, 1934
Box 35	FF 11	"Beyond the Atomic Bomb," a condensation of <i>Science, The Endless Frontier</i> , report to the President by Dr. Vannevar Bush, Director of the Office of Scientific Research and Development, July 1945
Box 35	FF 12	Manual for the General Electric SG118 Turboshaft Engine and ST118 Turboprop Engine
Box 35	FF 13	Reports of the National Advisory Committee for Aeronautics, 1934-1939
Box 35	FF 14	<i>ANC Bulletin: Design of Wood Aircraft Structures</i> issued by the Army-Navy-Civil Committee on Aircraft Design Criteria under the supervision of the Aeronautical Board, June 1944
Box 35	FF 15	Various magazine articles from aviation magazines dated around 1943
Box 35	FF 16	<i>ANC Bulletin: Kiln Certification</i> issued by the Army-Navy-Civil Committee on Aircraft Design Criteria under the supervision of the Aeronautical Board,

1946

Box 35	FF 17	Garlock Klozures: Oil and Grease Seals for Bearings, Catalog 20, 1957
Box 35	FF 18	National Advisory Committee for Aeronautics Wartime Report: Advance Confidential Report L5C05, Summary of Airfoil Data, March 1945
Box 35	FF 19	Several wartime reports for the National Advisory Committee for Aeronautics dated 1944-1945
Box 35	FF 20	National Advisory Committee for Aeronautics Report No. 641: The Negative Thrust and Torque of Several Full-Scale Propellers and Their Application to Various Flight Problems," 1938
Box 35	FF 21	Summary Report on German Propellers (Project No. DP-154) by E. A. Kodel for the Headquarters Air Material Command Wright Field, Dayton, Ohio, August 1947
Box 35	FF 22	<i>Air Corps Information Circular reports, 1920-1932</i>
Box 35	FF 23	Technical notes for the Bureau of Aeronautics Navy Department, 1923
Box 35	FF 24	"Markets After the War: An approach to Their Analysis" prepared under the direction of Bureau of Foreign and Domestic Commerce of the Department of Commerce, 1943
Box 35	FF 25	Broadsides on the lore of aviation
Box 36	FF 1	<i>ANC Handbook on the Design of Wood Aircraft Structures, July 1942</i>
Box 36	FF 2	<i>Jaguar Service Manual for Mark VII and XK 120 Models</i>
Box 36	FF 3	<i>Boeing Magazine, 1961-1963</i>
Box 36	FF 4	<i>Boeing Magazine, 1964-1965</i>
Box 36	FF 5	<i>Boeing Management Perspective, July-October 1965</i>
Box 36	FF 6	"Propeller Vortex Theory" by Sidney Goldstein, 1929
Box 36	FF 7	Paper presented to the Society of Automotive Engineers Annual meetings, 1945-1946
Box 36	FF 8	Papers presented to the Society of Automotive Engineers Annual meeting, May 1-2, 1947
Box 36	FF 9	Papers presented to the Society of Automotive Engineers Annual meeting, March 1950
Box 36	FF 10	Papers presented to the Society of Automotive Engineers regional meetings of 1953
Box 36	FF 11	Papers presented to the Society of Automotive Engineers Annual meeting, January 12-16, 1953

Box 36	FF 12	Papers presented to the Society of Automotive Engineers annual meeting, October 5-9, 1954
Box 36	FF 13	Papers presented to the Society of Automotive Engineers annual meeting, October 5-9, 1954
Box 36	FF 14	Class projects in the Department of Engineering at the University of Wichita from February 17 to May 24, 1948 prepared by Robert W. Burnham
Box 36	FF 15	Information from the University of Cincinnati in the College of Engineering and Commerce, 1942-1943 for Robert Burnham
Box 36	FF 16	Photocopied article from Rotol Limited, "Introducing the Rotol Mechanically Operated Variable Pitch Feathering Propeller: Suitable for Low Power Aircraft Engines," October 1942
Box 36	FF 17	Photocopied articles from aviation magazines dated 1946 and 1956
Box 36	FF 18	Photocopies of aircraft engines
Box 36	FF 19	Blueprint of a "Propeller Hub and C' Case Flanges 0-315 0-470" Part No.: AL-E6-330 from the Continental Motors Corp. Muskegon, Michigan, 9-24-1951
Box 36	FF 20	Paper entitled "Duplex Airscrews: Power for the Brabazon I: Coaxial and Contra-rotating Airscrew Arrangements" reprinted from <i>Flight</i> , December 26, 1946
Box 36	FF 21	Photocopied article entitled "Design Progress on Junkers Hydraulic Propeller" by John D. Nough from <i>Aviation</i> , April 1945
Box 36	FF 22	Photocopied article entitled "Balancing of Aircraft Propellers" by Murray C. Beebe from <i>Aero Digest</i> , February 1941
Box 36	FF 23	Report entitled "Automation and Technology in Education," a report of the Sub-committee on Economic Progress of the Joint Economic Committee Congress of the United States, August 1966
Box 36	FF 24	Part of an article entitled "Ormondroyd-Flexible Couplings for Interval-Combustion Engines" from Transactions of the A.S.M.E., October 1941
Box 36	FF 25	Various advertisements or price lists from different companies dated 1927, 1944, and 1962
Box 36	FF 26	Leaflets regarding different aspects of aviation from choosing a career in the Army Air Corp (1928) to developing an industrial strategy to help win WWII from GM (1942)
Box 36	FF 27	Various correspondence from different businesses dated 1944 and 1980
Box 36	FF 28	Group of US 4 cent postage stamps
Box 36	FF 29	Specification - The Firestone Rubber Spring Landing Gear, May 2, 1944
Box 36	FF 30	Highway Aircraft Corp drawings

Box 37	FF 1	Notes and Calculations. Contains notes and calculations, n.d.
Box 37	FF 2	W. E. Burnham -- Engineering Notes, Book No. 1, 1936. Includes notes and calculations; correspondence between Burnham and Allen Van Behren and others; price lists for aeronautical products; and technical drawings. 1930s.
Box 37	FF 3	<i>Aeronautics Bulletin</i> , 1934. Contains report entitled "Airworthiness Requirements for Aircraft," U.S. Department of Commerce, Aeronautics Bulletin No. 7-A, effective 10/1/1934.
Box 37	FF 4	Reports, Presentations, Papers, 1942-1957. Contains published papers and reports regarding the aeronautical industry. Includes design specifications for various aircraft parts, etc.
Box 37	FF 5	Aircraft Blueprints. Contains the following blueprints: chassis structure, R511; rigging assembly, R121, Mystery Ship, Travel Air, 3/22/1930; propeller hub and case flanges, Continental Motors Corp., 9/24/1951; Type 10-4 place monoplane, Travel Air Manufacturing Co., 12/29/1928; 7 x 10 foot wind tunnel propeller, University of Detroit, 3/23/1939; side arrangement drawing "2B," Rawdon-Christopher Aircraft Co., 8/26/1931; three view drawing design "2B," Rawdon-Christopher Aircraft Co., 8/26/1931. Also contains design specifications for aircraft parts, specifications for Type 10 Travel Air Four Place monoplane; computations, graphs, agenda for 1936 meeting of 11th annual Aircraft Engineering Research Conference by National Advisory Committee for Aeronautics; information from Ranger Aircraft Engines.
Box 37	FF 6	Blueprints. Contains blueprints: three views of a biplane by Tri-State College Department of Aeronautical Engineering, February 1932; three way view drawing, n.d.; wiring and lighting plans for home of Mr. and Mrs. Walter Burnham, 3/8/1974.
Box 37	FF 7	Photographs and Negatives - "Mystery S." Contains four color photographs of the model of the "Mystery S" plane, ten black and white photographs of the model, a photographs of an unidentified plane, and a photographs of Walter Burnham.
Box 37	FF 8	Beechcraft Bonanza Model 35 Maintenance Manual, December 1947. Contains the following: computations; Report on Monocoque, 1932-33; articles from <i>Aviation Engineering</i> , 1932-33; specifications for Stearman plane, 1931, and other engineering computations, 1930s; Institute for Certification of Engineering Technicians, 1932-33.
Box 37	FF 9	Reports, Calculations -- Walter Burnham. Contains reports and calculations regarding the aircraft industry, 1932-1972.
Box 37	FF 10	Aeronautic Publications. This file contains Burnham's copies of various aeronautics-related publications: Articles from <i>Airway Age</i> (5/2/1931, 6/6/1931, 8/1/1931, and 12/1931); Aeronautical Engineering Supplement of <i>Aviation</i> (1/1929, 2/16/1929, 3/16/1929, 4/20/1929, 5/18/1929, 6/15/1929, 7/20/1929, 9/21/1929, and 10/19/1929); Chart listing specifications on American commercial airplanes and seaplanes from <i>Aviation</i> , c.1928.
Box 37	FF 11	Aeronautical Publications. This file contains Burnham's copies of various aeronautics-related publications: <i>Aeronautica</i> , July-September 1955; <i>Aviation Pioneers OX-5 News</i> , December 1967; <i>Proceedings of the</i>

Manned Space Stations Symposium, April 20-22, 1960.

Box 37	FF 12	Aeronautical Publications. Contains the following publications by Eaton Manufacturing Company: <i>Fifty Years Of Flight -- A Chronicle of the Aviation Industry in America, 1903-1953</i> ; <i>A Chronicle of the Aviation Industry in America, 1903-1947</i> ; 1950 and 1951 supplements to above title; Minutes of Wichita Council of Technical Societies, 6/6/1950; <i>Wichita Tech News</i> , 5/1951.
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Series 12 – Oversized Materials

Box 38		Certificate presented to Burnham in recognition of more than 35 years of active membership in the Society of Automotive Engineers; Large binder of graphs, charts and drawings; Drawings: unidentified, Travel Air model-2000, Lycoming R-680 Aerodynamic Characteristics of an NACA Series 16 airfoil; Highway Aircraft, Inc.
Oversized	Folder 1	Aeronautical charts, with manuscript annotations.
Oversized	Folder 2	Oversized drawings by Burnham: Burnham Products, Inc. and Highway Aircraft, Inc.
Oversized	Folder 3	Oversized drawings by Burnham: Snowmobile

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