

**FINDING AID FOR THE
DAVID S. HALL PAPERS
1930-1998**

COLLECTION INFORMATION

Creator: Hall, David S. (David Stanley)

Title: David S. Hall Papers, 1930-1998

Extent: 193.72 linear feet

Collection Number: MS-003

ADMINISTRATIVE INFORMATION

Acquisition Information: This collection was received from David S. Hall. Archives accession number 2002.001.

Access: Open with the exception of certain documents in the accident investigation case files (Series 3) which are restricted due to proprietary information. Consult archives staff for more information.

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ABSTRACT

David S. Hall is a specialist in mishap prevention and investigation. The Hall Papers consist primarily of case files relating to aviation accident investigations. The collection also contains publications and reference material related to aviation safety.

FINDING AID CONTENTS

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BIOGRAPHICAL HISTORY

David S. Hall is a specialist in mishap prevention and investigation, primarily in aviation and related fields. He earned a B.S. in electrical engineering from Illinois Institute of Technology in 1957 and an M.S. in systems management from the University of Southern California in 1972.

Following service as an aviator in the U.S. Navy (1957-1962), Hall worked as a flight test engineer for the Lockheed-California Company from 1962 to 1966. In 1967, Hall went to work for Garrett AiResearch Manufacturing Company of Arizona as a senior flight test engineer, a position he held until 1969 when he joined the faculty of the Institute of Aerospace Safety and Management at University of Southern California. He returned to Garrett AiResearch Manufacturing in 1973 as a senior product safety specialist. Hall remained at Garrett AiResearch until 1978 and was supervisor of engineering flight test in 1976-1977. From 1979 to 1983, he served as Director of Research in the Crash Research Institute, Robertson Research, Inc.

From 1969 to 2007, Hall worked as a consultant in accident cause determination and accident reconstruction. He also has served as a faculty member or lecturer at numerous institutions, including the University of Southern California's Institute of Aerospace Safety and Management (1969-1973); Arizona State University (1973-1986); International Center for Safety Education, Tempe, Arizona (1981-1992); and the International Center for Aviation Safety (1986-1998).

Hall also works in the field of human sexuality as a sexologist. He earned a Ph.D. from the Institute for Advanced Study of Human Sexuality in 1995. He is on the faculty of the Institute for Advanced Study of Human Sexuality and also serves as an adjunct faculty member in the Department of Psychology at the University of the Pacific.

SCOPE AND CONTENT

These papers document David S. Hall's work as a safety scientist and accident investigator. The bulk of the collection consists of case files for aviation accident investigations conducted by Hall. Other files include reports and articles written by Hall as well as reference material used by him in his research and accident investigations.

Aviation accident investigation case files vary in scope depending on the nature and extent of Hall's investigation. The most extensive files may include accident reports (NTSB, FAA, military, etc.), depositions, photographs of aircraft wreckage and of individual components, aircraft information, pilot logs, correspondence, air traffic control (ATC) transcripts or audio recordings, engineering test reports, witness statements, notes, and secondary sources such as articles or conference papers. Other case files consist solely of a deposition given by David Hall.

Papers and reports written by David Hall relate to accident investigation, emergency locator transmitters (ELTs), crash resistant fuel systems, crash sensors, and crashworthiness. Papers, reports, articles, and publications collected by Hall as reference material to support his research and investigation activities cover a wide range of areas related to aviation and safety. Topics include accident studies and statistics, altimeters, automotive safety, crash tests, crashworthiness, ELTs, fire, fixed-wing aircraft, fuel systems, human factors, investigation techniques, litigation and legal issues, professional organizations, restraint, rotorcraft, seats, specific aircraft manufacturers and models, stall/spin studies, survivability, system safety, and wind shear.

ARRANGEMENT

The David S. Hall Papers are organized in three series, one of which--Reference Materials--is comprised of three subseries.

Series 1. David S. Hall Publications 1970-1994

Series 2. Reference Materials, 1930-1998

Subseries 1. Books, 1980-1997

Subseries 2. Periodicals, 1989-1997

Subseries 3. Reference Documents, 1930-1998

Series 3. Accident Case Files, 1945-1997

The series organization was imposed by the archives during processing and does not reflect original order.

SERIES DESCRIPTIONS AND INVENTORIES

Series 1. David S. Hall Publications, 1970-1994

Extent: 1 document box (0.42 linear feet)

This series contains reports and articles written by David S. Hall. Subjects include accident investigation and reconstruction, aircraft design, crash sensors, crashworthiness, emergency locator transmitters (ELTs), general aviation accidents, and human factors. The series is listed chronologically, with a folder containing various drafts, letters, and notes arranged at the end.

Series 1 Inventory

Box	Folder	Title	Dates
1	1	"Human Factors in the Design of Some General Aviation Aircraft" (7-10)	1970
		"Ground Impact and Propeller Pitch Position" <i>ISASI Forum</i> (Winter 1979), see Case File 9014 (folder 51/38)	1979
1	2	"Aircraft Crash Sensing. State of the Art Sensor Study" with Dale Jackson, Crash Research Institute (CRI) report 7846-15, NASA contract NAS 5-25444	1980
1	4	"Field Test of Proposed Crash Sensor for General Aviation Aircraft," final report Task I, NASA contract NAS 5-25444, CRI report 7915-2 rev. 1	1980
1	5	"The General Aviation Fixed-Wing Accident and the Emergency Locator Transmitter, a Follow Up Report," presented at the 1980 Annual Seminar of the International Society of Air Safety Investigators. Based on studies under NASA contract 5-25444	1980
1	6-8	"Systems Analysis of the Installation, Mounting, and Activation of Emergency Locator Transmitters in General Aviation Aircraft," final report, NASA contract NAS 5-25444, CRI report 7846-14	1980
1	3	"A Description of the General Aviation Fixed Wing Accident" <i>SAFE Journal</i> 11 no. 1	1981
1	9	"Basic Principles of Crashworthiness"	1981

Series 1. David S. Hall Publications

Inventory (cont.)

Box	Folder	Title	Dates
1	10	"System Design for Improved Crash Sensor for Emergency Locator Transmitters," final report Task III, NASA contract NAS 5-25444, CRI report 7917	1982
1	11	"Report on the Reliability of Crash Resistant Fuel System Components Used in Army Helicopters"	1994
1	12	Drafts, letters, notes see also 14/3 (NTSB petition) for "Site Access Problems of the Independent Investigator" (1989) and "A Proposal to Increase the Effectiveness of Aircraft Accident Investigations"	1984, n.d.

Series 2. Reference Materials

Extent: 13.91 linear feet

This series contains reference material related to aviation, safety, accident investigation, and specific aircraft. It is organized into three subseries: Books, Periodicals, and Reference Documents.

Subseries 1. Books, 1980-1997

Extent: 0.67 linear feet (6 volumes)

Series 2, Subseries 1 Inventory

Box	Folder	Title	Dates
2		<i>Aircraft Bluebook Price Digest</i> , Spring 1995	1995
2		<i>AOPA's Handbook for Pilots</i> 1988	1988
2		Babitsky, Steven, and James J. Mangraviti, Jr. <i>How to Excel During Cross-Examination: Techniques for Experts that Work</i> . Falmouth, Mass.: SEAK, Inc., 1997.	1997
3		Cessna. 421 Golden Eagle, Model 421C information manual	1981
3		Cessna. <i>Pilot Safety and Warning Supplements</i> .	1985
3		<i>Standard Aircraft Handbook</i> . 3d ed. Fallbrook, Calif.: Aero Publishers, 1980	1980

Subseries 2. Periodicals, 1989-1997

Extent: 1.25 linear ft. (1 records carton)

Series 2, Subseries 2 Inventory

Box	Folder	Title	Dates
4	1-10	<i>Aviation Safety</i> vol. 9-18 (1989-1998) incomplete	1989-1998
4	11	<i>Aviation Week & Space Technology</i> , special issue "United States Air Force at Fifty"	1997

Series 2. Reference Materials

Subseries 2. Periodicals

Inventory (cont.)

Box	Folder	Title	Dates
4	12	<i>The Safety Mind</i> , Delta MEC Safety Newsletter, vol. 10, no. 2	1995
4	13	System Safety Society Member's Handbook	1997

Subseries 3. Reference Documents, 1930-1998

Extent: 12.0 linear ft. (9 records cartons and 1 photograph box)

This subseries contains articles, reports, publications, illustrations, notes, etc., on a variety of subjects related to aviation and safety. In some cases, documents are known to be associated with a particular accident case file; the associated case files may be found in Series 3.

Numbers in parentheses following the folder title, e.g.:

14 CFR 23 Fuel Systems
(22-21)

indicate a file or location number used by Hall Research Associates.

Series 2, Subseries 3 Inventory

Box	Folder	Title	Dates
15	14	13 System Safety	1971, n.d.
11	22	14 CFR 23 Fuel Systems (22-21)	1992
7	41	1930 Chevrolet brochure (photocopy) (25-08)	1930
12	17	1947 GMC Trucks brochure [photocopy] (25-06)	1947
11	20	59.203.B Bladder-Type Fuel Tanks--"A Report on Development of Crash-Resistant Aircraft Flammable Fluid Systems. Part IIA Specifications for Prototype Fittings for Bladder-Type Fuel Tanks," FAA Bureau of Research and Development (21-09)	1960
6	4	Accident investigation (16-12 to 16-22)	1981-1988
6	6	Accident statistics	1969-1993
6	7	<i>Aerodynamics for Naval Aviators</i> , NAVWEPS 00-80T-80	1960
6	10	Aeroquip	1984-1992
6	8-9	Aeroquip. "Formal Qualification-Aeroquip Hose Assemblies with Self-Sealing, Frangible End Fittings" Engineering Test Report no. 68512-2. [associated with Case File 8727] (13-1 and 19-19)	1979

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
6	11-12	"Aeroquip Announces a Major Breakthrough in Reducing Aircraft Postcrash Fires," Aeroquip Engineering Bulletin –Hose/Fittings, AEB 256A (5-3)	1984
6	13	Air Line Pilots Association. Northwest Airlines	1992
10	44	Airborne Air & Fuel Products service letter re: vacuum/pressure gyroscopic flight instrument power system [associated with Case 8702] (17-23)	1986
6	16	Aircraft by Type 1990-1996	undated
7	43	Aircraft cockpit data	1969-1974, n.d.
6	17	<i>Aircraft Crash Survival Design Guide</i> , vol. 5 Aircraft Postcrash Survival. USARTL-TR-79-22E	1980
6	21	Aircraft Owners and Pilots Association	1986-1992
6	26	Aircraft salvage sources	1987
6	28-29	Airplane Flight Manual for Cherokee Cruiser (N56731) [associated with Case File 8206]	1973
6	31	Airworthiness directive (AD) - Dumbest	1979
13	9	Ake, F. K. "J85-GE-21 Turbojet Engine Accident Investigation Procedures," ASD-TR-77-5	1977
13	18	Alfaro-Bou, E., and V. L. Vaughan, "Light Airplane Crash Tests at Impact Velocities of 13 and 27 m/sec," NASA Technical Paper 1042 [associated with Case 8516] (6-2)	1977
6	38	Allen, P. S., and E. V. Saul "An Annotated Bibliography of Bibliographies Pertinent to the Design and Use of Machines by Human Operators" (7-5)	1958
6	32-33	Altimeters. Includes Skinner, H. R. "The Altimeter Credibility Gap"	1971
6	34	"An Analysis of Aircraft Accident Data – U.S. General Aviation 1969," National Transportation Safety Board (25-09)	1971
6	35	"Analysis of Factors Contributing to 460 'Pilot-Error' Experiences in Operating Aircraft Controls." Army Air Forces, Air Materiel Command Engineering Division (19-2)	1947
6	22	<i>AOPA News</i> , June 1948 (14-34)	1948

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
6	23	<i>AOPA Speakers Report</i> and speeches	1986-1990
6	24	AOPA Study. Snyder, R. G. "General Aviation Aircraft Crashworthiness: An Evaluation of FAA Safety Standards for Protection of Occupants in Crashes"	1981
6	40	Army Models OH-58A and OH-58C Maintenance Manual [associated with Case File 8725?] (18-2)	1978
6	41	ARNAV emergency locator system	undated
6	44	Augustine, N. "Augustine's Laws and Major Development Programs" (19-16)	1980-1981
6	45	Automate Yellow 662 Liquid Dye for Fuel Leak Detector in Jet Aircraft, Morton Chemical Company (7-27)	undated
7	8	Automobile (25-01 to 25-08)	1932-1968
6	5	Bacastow, J. L. "Accident/Incident Investigation Techniques" LA-7877-MS Informal Report, Los Alamos Scientific Laboratory (8-2)	1978
10	25	Baggage handling	1989
12	44	Barnhart et. al. "A Method for the Study of Human Factors in Aircraft Operations," NASA TM X-62,472 (7-6)	1975
9	50	Basely, H. M. "Designing for Safety Is No Accident" (19-6)	1992
7	2	Batteries	1978-1983
7	3	Beech	1971-1993
7	4	Beech case	1953-1987
7	5	Beech case evaluation 1987	1987-1990
7	6	Beech depositions--deposition of Chester Rembleske (Webster vs. Escue and Pittman vs. Escue)	1982
7	7	Beechcraft Engineering Manual, Section 5 Design	1953
7	12	Bell and NC-4 aircraft. Includes articles on Bell X-1, X-1s, X-2, Douglas X-3, and on the NC-4	undated
7	11	"Bell 206" (Bell Helicopter Model 206L)	1986
7	13	Bell Helicopter information	1970-1979
7	14	Bell Helicopter Service Instruction no. 436: Crashworthy Fuel System. (17-30)	1979

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
13	2	Bell Helicopter Textron Service Instruction no. 206-30, Inertia reel and shoulder harness [associated with Case 8725] (18-6)	1978
7	16	Bell Helicopter, "Structural Design Criteria For 206A, 206B, Improved 206B, and 206B-J" [associated with Case File 8725] (18-1)	1980
7	17	Bellanca Champion	1973-1987
7	19	"The Bendix RSA Injector," <i>Light Plane Maintenance</i> (17-28)	1992
7	20	Bennett, C. V., and R. R. Rodgers "Development of Crash-Resistant Aircraft Flammable Fluid Systems. Part I, Delineation of the Problem" (24-02)	1959
14	42	Bierman, H. R. "The Protection of the Human Body from Impact Forces of Fatal Magnitude" <i>The Military Surgeon</i> (1-19)	1947
7	21	"Birch, Norm" (Oral decision in case: Susan Friedman, etc., v Mitsubishi Aircraft International, Inc., and the Garrett Corporation)	1988
6	19	Bolduc, L., and E. Politis "ADAAPS - An Interactive Integrated Tool for the Investigator of the 90's" (19-25)	undated
15	10	Bowman, J. S. "Summary of Spin Technology as Related to Light General-Aviation Airplanes," NASA TN D-6575 (8-29)	1971
15	7	Bowman, J. S., and S. M. Burk, "Stall/ Spin Research Status Report" (8-30)	1974
15	6	Bowman, J. S., and S. M. Burk, "Stall/Spin Studies Relating to Light General-Aviation Aircraft" (8-31)	1973
12	40	Brady, J. S. "The Human Operator as an Aircraft Systems Component" (7-12)	1955
12	29	Brown, D. A. "Hindustan Aeronautics Seeks Increased Civil Aircraft Line" <i>Aviation Week & Space Technology</i> (7-25)	1986
10	10	CAM 3: Civil Aeronautics Manuals/Civil Air Regulations Part 3, airplane airworthiness	1956-1965
7	23	Canadian Aviation Safety Board annual report (8-16)	1984

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
7	42	"Case____: Chevy 64 Dept. Memo" (memorandum regarding 1967 safety program) (25-5)	1964
13	19	Castle, C. B., and E. Alfaro-Bou, "Light Airplane Crash Tests at Three Roll Angles," NASA Technical Paper 1477 [associated with Case 8516] (6-4)	1979
14	34	CBAA '81, J T15 Status and Information Report (5-10)	1981
14	36	CBAA '81, PT6T Twin-Pac Powerplant (5-11)	1981
14	37	CBAA '81, PW100 The New Pratt & Whitney Aircraft 2000 Horsepower Class Turboprop Engine (5-7)	1981
7	26	Cessna 150/152 SDR (service difficulty report)	1971-1981
7	25	Cessna 150/152, water in fuel	undated
7	28	Cessna 210	1985
7	31	Cessna 411	1981-1985
7	32	Cessna 421 AB Fuel, Illustrated Parts Catalog (IPC). Also includes information on Piper Turbo Navajo	1967-1982
7	33	Cessna- Aircraft : USA. [associated with Case File 8702] (17-25)	1979-1986
7	27	Cessna C172 carburetor ice	1984-1987
7	29	Cessna C210 case law	1981
7	30	Cessna C210 miscellaneous	1984-1989
7	36	Cessna memo on fuel tanks (i.e. fuel cells)	1980
7	34	Cessna memo regarding fuel cells (20-16)	1980
14	29	Cessna Pilot Safety and Warning Supplements	1992
7	37-38	Cessna Turbo Centurion T210N Pilots Operating Handbook	1979-1982
7	24	Cessna, includes Cessna 340 and 411	1970-1991
10	13	CFR Part 120	1982
7	39	"Changing the NTSB Findings of Probable Cause," Law Offices of John Scott Hoff, P.C. (19-5)	undated

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
15	1	Coarsey-Rader, C. V., and T. Rockwood, "Secondary Trauma and the Air Safety Investigator" (19-24)	undated
7	44	Cockpit Management Resources, Inc.	1984-1987
6	36	Coltman et al. "Analysis of Rotorcraft Crash Dynamics for Development of Improved Crashworthiness Design Criteria" DOT/FAA/CT-85/11 (17-26)	1985
7	46-47	Continental Aircraft Engine Service Bulletin, "Engine Operation after Cylinder Replacement and /or Major Overhaul" (5-2 and 17-16) [associated with Case File 8702?] (17-16 and 5-2)	1981
6	20	Cook, R. L., and R. A. Huyett, "New Concepts in Fuel Containment," Aircraft Fluids Fire Hazard Symposium (20-11)	1966
7	48-50	Corporate Jets - Winn. Accident involving aircraft N9737N, 13 August 1991, Honokaa, Hawaii. [associated with Case File 9701]	1980-1992
7	52	Crash data and research - "Crash Dynamics of General Aviation Aircraft" SAE SP-62 (5-6)	1985
7	55	Crash data and research - "Crash Program: Saving the Pilot in Spite of Himself" <i>Aviation Consumer</i> (20-22)	1980
7	51	Crash data and research - Carden, H. D. "Correlation and Assessment of Structural Airplane Crash Data with Flight Parameters at Impact" NASA Technical Paper 2083. [associated with Case 8516] (6-8)	1982
7	54	Crash data and research - Leigh Instruments Limited. Includes information on crash position indicator and flight data recorder systems, mechanical strain recorder system, and helicopter ice detection system (8-17)	undated
7	53	Crash data and research - Shanahan, D. F. "Crash Experience of the U.S. Army Black Hawk Helicopter" (19-22)	ca. 1991
8	2	Crash tests- Boeing 720 crash test	1984
8	3	Crash tests- Vaughan, V. L., and R. J. Hayduk, "Crash Tests of Four Identical High-Wing Single-Engine Airplanes," NASA Technical Paper 1699. [associated with Case File 8516] (6-6)	1980

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
8	4	Crash tests- Williams, M. S., and E. L. Fasanella, "Crash Tests of Four Low-Wing Twin-Engine Airplanes with Truss-Reinforced Fuselage Structure," NASA Technical Paper 2070. [associated with Case File 8516] (6-7)	1982
9	30	Crashworthiness- Bruggink et al., "Injury Reduction Trends in Agricultural Aviation" (23-13)	1964
10	45	Crashworthiness – Robertson, S. H., and J. W. Turnbow, "Aircraft Fuel Tank Design Criteria," USAAVLABS Technical Report 66-24	1966
8	6	Crashworthiness- "Aircraft Design-Induced Pilot Error," Civil Aeronautics Board	1967
8	7	Crashworthiness- "Aircraft Flexible Tanks. General Design and Installation Recommendations," SAE Aerospace Information Report AIR1664 (23-05)	1990-1994
8	8	Crashworthiness- "An Analysis of Aircraft Accident Data. U.S. General Aviation 1969," National Transportation Safety Board	1971
8	11	Crashworthiness- "Crash Program. How Aftermarket Mods Give You a Better Chance to Survive in Case of an Accident," <i>The Aviation Consumer</i>	1986
8	12	Crashworthiness- "Crash Safety <i>Can</i> Be Engineered," <i>Aviation Week</i> (incomplete article). (22-07)	1950
9	1-2	Crashworthiness- "Crashworthiness Design Handbook (Proposed)," FAA Flight Standards Service	1971
9	10	Crashworthiness- "Design, Development, and Evaluation of a Crash-Resistant Fuel System Installation," FAA-ADS-27. (24-03)	1965
10	29	Crashworthiness- "Fuel Spillage, Ignition Sources and Postcrash Fire in Survivable General Aviation Airplane Accidents" (23-16)	1986
9	18	Crashworthiness- "General Aviation Crashworthiness Programs"	1985
9	19	Crashworthiness- "General Aviation Crashworthiness Project, Phase One," NTSB/SR-83/01. [associated with Case 8727] (13-7)	1983
9	20	Crashworthiness- "General Aviation Crashworthiness Project, Phase Two -- Impact Severity and Potential Injury Prevention in General Aviation Accidents," NTSB/SR-85/01. [associated with Case 8727] (13-8)	1985

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
9	21	Crashworthiness- "General Aviation Crashworthiness Project, Phase III -- Acceleration Loads and Velocity Changes of Survivable General Aviation Accidents," NTSB/SR-85/02. [associated with Case 8727] (13-9)	1985
12	4	Crashworthiness- "Self-Sealing Breakaway Valves for Crash-Resistant Aircraft Fuel and Oil Systems," SAE Aerospace Recommended Practice ARP1616 Rev. A (23-06)	1991
12	11	Crashworthiness- "Systems and Techniques for Reducing the Incidence of Post-Crash Fuel System Fires and Explosions," FAA-P-8110.3, Report of the Department of Transportation to the U. S. Congress (26-02)	1988
9	44	Crashworthiness- "The Status of General Aviation Aircraft Crashworthiness," NTSB-SR-80-2. [associated with Case 8727] (13-6)	1980
10	39	Crashworthiness- "Torch Song Tragedy," <i>The Aviation Consumer</i> (22-12)	1987
10	48	Crashworthiness- Advance notice of proposed rulemaking (ANPRM) 1985- crashworthy fuel system (20-06)	1985
8	5	Crashworthiness- <i>Aircraft Crash Survival Design Guide</i> Vol 5, Aircraft Postcrash Survival	1989
8	19	Crashworthiness and seats (18-7 to 18-9)	1970-1978
8	20	Crashworthiness- Baggett, S. R. "Crashworthiness Claims in Aviation Accidents" (17-31)	1987
10	49	Crashworthiness- Beech advanced projects study authorization on crashworthy fuel systems	1987
10	37	Crashworthiness- Benner et al. "Study of General Aviation Fire Accidents (1974-1983)" (21-06)	1987
9	29	Crashworthiness- Boitnott et al., "Impact Response of Composite Fuselage Frames" (22-18)	1987
8	13	Crashworthiness- Bruce, J., and J. Draper, "Crash Safety in General Aviation Aircraft" (3-11)	1970

Series 2. Reference Materials
Subseries 3. Reference Documents
Inventory (cont.)

Box	Folder	Title	Dates
12	3	Crashworthiness- Cessna Memo "Review of Frangible Couplings Applications Experience" (22-21)	1985
8	9	Crashworthiness- Coltman et al. "Analysis of Rotorcraft Crash Dynamics for Development of Improved Crashworthiness Design Criteria," DOT/FAA/CT-85/11 (17-26)	1985
10	27	Crashworthiness- Cook, R. L., and R. A. Huyett, "New Concepts in Fuel Containment," Aircraft Fluids Fire Hazard Symposium (20-11)	1966
8	16	Crashworthiness- <i>Crash Survival Design Guide</i> . USAAMRDL Technical Report 71-22	1971
9	6	Crashworthiness- Crashworthy Design of Rotorcraft, a national specialist's meeting. (13-2A)	1986
9	7	Crashworthiness- Crashworthy fittings	1977-1994
9	8	Crashworthiness- Crashworthy seat briefing. [associated with Case 8725] (18-4)	1974
9	9	Crashworthiness- Crashworthy valves. See also photographs in Box 5. [associated with Case 8516]	1986, n.d.
9	12	Crashworthiness- DeHaven, H. "Development of Crash Survival Design in Personal, Executive, and Agricultural Aircraft" (1-35)	1953
11	17	Crashworthiness- Development of a Crash Resistant Fuel System for the T-41B Aircraft (Cessna Aircraft Company correspondence and selected pages from Gaynes technical report GERA-1578)	1970
9	13	Crashworthiness- Dougherty, J. E., and N. N. Shapter, "FAA Crashworthiness Program for Large and Small Airplanes." (7-33)	1969
10	51	Crashworthiness- FAA advance notice of proposed rulemaking: crashworthy fuel lines and tanks, 14 CFR Part 25	1989
9	14	Crashworthiness- FAA AM 82-7: Kirkham et al. "Crashworthiness Studies: Cabin, Seat, Restraint, and Injury Findings in Selected General Aviation Accidents." (11-38)	1982
11	36	Crashworthiness- FAA notice of proposed rulemaking (NPRM) rotorcraft crashworthy fuel systems (20-08)	1990

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
10	32	Crashworthiness- FAA NPRM responses- post crash fire etc.	1990
9	28	Crashworthiness- Fox, R. G. "Identifying the Hazard Is Only the Beginning," <i>Hazard Prevention</i> (17-33)	1991
9	37	Crashworthiness- Fox, R. G. "Realistic Civil Helicopter Crash Safety" (13-4)	1986
9	47	Crashworthiness- Franco, F. J. "Test and Evaluation of the T-41B Aircraft Crash-Resistant Fuel Tank Installation," Dynamic Science report no. 156 (25-16)	1969
11	4	Crashworthiness- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft," Goodyear Aerospace Corporation Technical Report GERA-1578 Addendum I, USAAVSCOM Technical Report 70-6A	1971
9	22	Crashworthiness- General Aviation Safety Panel, crashworthiness proposal rationale. [associated with Case 8702] (17-6)	undated
11	25-26	Crashworthiness- General Aviation Safety Panel, GASP II Draft Recommendations, Fire-Resistant Fuel Systems for Small, General Aviation Airplanes with Less than 10 Passenger Seats (22-14 and 22-15)	1987
9	23	Crashworthiness- Goodyear Aerospace, "Analysis Report, Basic Loads and Stress Report on T-41B Aircraft Modified with a Crash Resistant Fuel System," GERA-1501	1970
9	24	Crashworthiness- Goodyear Aerospace, "Methods Analysis Sheet, Instructions for Modification of T-41B Aircraft for Installation of Crash-Resistant Fuel System," GERA-1481 rev. A	1971
9	25	Crashworthiness- Goodyear Aerospace, "Methods Analysis Sheet, Instructions for Modification of T-41B Aircraft for Installation of Crash-Resistant Fuel System," GERA-1481	1970
9	26	Crashworthiness- Goodyear Aerospace, "Weight Analysis, T-41B (R172E) Aircraft S/N 67-15159," GERA-1494	1970
9	27	Crashworthiness- Goodyear Aerospace, "Weight Analysis, T-41B (R172E) Aircraft S/N 67-15159," GERA-1494	1969
9	43	Crashworthiness- Gowdy et al. "Static Test Procedures for Restraint Anchorages in Small Aircraft." (22-19)	undated

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
9	5	Crashworthiness- Haley, J. L., and J. E. Hicks, "Crashworthiness Versus Cost: A Study of Army Rotary Wing Aircraft Accidents in Period Jan 70 Through Dec 71" (25-15)	1975
9	46	Crashworthiness- Hall, D. S. "System Design for Improved Crash Sensor for Emergency Locator Transmitters" (title page only; see box 1, file 9 for full report)	1982
11	1	Crashworthiness- J. W. Olcott and A. F. Madayag, "Criteria for General Aviation Fuel Systems Crashworthiness (slide presentation)," 1989 SAE General Aviation Aircraft Exposition, Wichita, Kansas (25-13)	1989
8	10	Crashworthiness- Jackson vs. Beech Aircraft Corp. (22-11)	1990
10	50	Crashworthiness- Johnson, N. P. "Crashworthy Fuel System Design Criteria and Analyses," USAAVLABS technical report 71-8 (24-05)	1971
9	3	Crashworthiness- Martin, R., and L. B. Spikes, "Crashworthiness: Elements of Proof and Defense - Overview of the Law" (19-09)	undated
9	31	Crashworthiness- Methods that reduce the likelihood of structural failures (fuel tank performance) (25-02)	1967
9	33	Crashworthiness- Military Specification- "Tank, Fuel, Crash-Resistant, Aircraft," MIL-T-27422A (7-31)	1964
9	32	Crashworthiness- Mil-V-27393A-"Valve, Safety, Fuel Cell Fitting, Crash Resistant, Aircraft, General Specification for" (18-20)	1964
8	18	Crashworthiness- Mission Aviation Crashworthiness Committee (MACC), Crash Protection Development Program. See also photographs in box 5.	ca. 1980
9	35	Crashworthiness- National Specialist's Meeting on Crashworthy Design of Rotorcraft (18-14)	1986
11	40	Crashworthiness- Report of Test on Flight Certification of T-41B Aircraft Modified with a Crash Resistant Fuel System; Phase 6, Goodyear Aerospace Company GERA-1504	1969-1970
11	41	Crashworthiness- Report of Test on Materials and Components for Use in the Development of a Crash Resistant Fuel System for the T-41B Aircraft, Phase 2, Goodyear Aerospace Company GERA-1482	1968-1970

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Box	Folder	Title	Dates
11	42	Crashworthiness- Report of Test on MIL-T-6396C, Phase II Qualification of T-41B Crash Resistant Fuel Cells, and Tests of Fuel Cell Fittings; Phase 4 Fuel Cell Qualification, Goodyear Aerospace Company GERA-1502	1969-1970
11	43	Crashworthiness- Report of Test on T-41B Crash-Resistant Fuel System Full Scale Crash Test, Phase 5, Goodyear Aerospace Company GERA-1503	1969
12	10	Crashworthiness- Ridenour et al. "A Study of Automobile Fuel Tanks" (25-04)	undated
11	16	Crashworthiness- Robertson, S. H. "Development of a Crash- Resistant Flammable Fluids System for the UH-1A Helicopter" USAAVLABS Technical Report 68-82 (25-28)	1969
9	40	Crashworthiness- Rothe, V. E. "Safety Developments in Agricultural Applicator Aircraft" (23-14)	1964
9	39	Crashworthiness- SAE 871008- Siahaya et al., "A Retrofit Crash Protection Installation in Two Models of General Aviation Airplanes" (19-32)	1987
9	45	Crashworthiness- SAE 8711006- Clark, J. C. "Summary Report on the National Transportation Safety Board's General Aviation Crashworthiness Project Findings" (22-20)	1987
10	52-52	Crashworthiness- SAE 891016, Madayag, A. F., and J. W. Olcott, "Criteria for General Aviation Fuel Systems Crashworthiness" (paper and slides) (23-09 and 25-13)	1989
9	16	Crashworthiness- SAE SP-716- General Aviation Aircraft Crash Dynamics, table of contents and front matter	1987
12	2	Crashworthiness- Scott, R. P. "Review and Evaluation of the Literature on Fuel Containment and Fuel Tank Explosion Suppression Technology to Assess Applicability to General Aviation Airplanes" (21-11)	1985
9	41	Crashworthiness- Shanahan, D. F. "Crash Experience of the U.S. Army Black Hawk Helicopter" (19-22)	1991
10	46	Crashworthiness- SHR (S. Harry Robertson) copy of FAA notice of proposed rulemaking (NPRM) 1990 on crash-resistant fuel systems	1990

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Box	Folder	Title	Dates
9	42	Crashworthiness- Small Airplane Certification Directorate, "General Aviation Crashworthiness Programs" (25-14)	1985
9	11	Crashworthiness- Smith, H. G., and J. M. McDermott, "Designing for Crashworthiness and Survivability." (25-12)	1968
9	15	Crashworthiness- Snyder, R. G. "General Aviation Aircraft Crashworthiness: An Evaluation of FAA Safety Standards for Protection of Occupants in Crashes," prepared for the Aircraft Owners and Pilots Association	1981
9	4	Crashworthiness- Snyder, R. G., "Crashworthiness Investigation of General Aviation Accidents" (18-15)	1975
11	27	Crashworthiness- Soltis, S. "General Aviation Aircraft/Fuel System Configuration Study Regarding Fuel Bladder Cell Installation" (22-16)	undated
9	36	Crashworthiness- Stieglitz, W. I. "A Note on Crashworthiness" (1-23)	1950
9	17	Crashworthiness- Thompson, G. L., and J. C. Clark, "General Aviation Crashworthiness" (1-26)	1975
9	38	Crashworthiness- Young, J. W. "Recommendations for Shoulder Restraint Installation in General Aviation Aircraft," AM 66-33	1966
11	11	Crashworthiness, Goodyear Aerospace Corporation- "Analysis Report, Basic Loads and Stress Report on T-41B Aircraft Modified with a Crash Resistant Fuel System," Goodyear Aerospace Corporation, GERA-1501	1970
11	14	Crashworthiness, Goodyear Aerospace Corporation- "Weight Analysis, T-41B (R172E) Aircraft S/N 67-15159," Goodyear Aerospace Corporation, GERA-1494	1970
11	7-8	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "CLA-9888. Development of a Crash-Resistant Fuel System for the T-41B Aircraft: Monthly Engineering Accomplishment Report," Volumes I-II (Phase 1 through Phase 6)	1969
11	15	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft" USAAVSCOM Technical Report 70-6A Addendum I	1971

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Box	Folder	Title	Dates
11	2	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft. Part 1." Goodyear Aerospace Corporation Technical Report GERA-1578 Part 1	1970
11	3	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft. Part 2." Goodyear Aerospace Corporation Technical Report GERA-1578 Part 2	1970
11	5	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft. Part 1." Goodyear Aerospace Corporation Technical Report GERA-1578 Part 1	1970
11	6	Crashworthiness, Goodyear Aerospace Corporation- Gaynes, M. H. "Development of a Crash Resistant Fuel System for the T-41B Aircraft. Part 2." Goodyear Aerospace Corporation Technical Report GERA-1578 Part 2	1970
11	10	Crashworthiness, Goodyear Aerospace Corporation- Report of Test on the Development of Breakaway Valves for the Crash Resistant Fuel System of the T-41B Aircraft, Phase 3. Goodyear Aerospace Corporation, GERA-1476	1969
11	12	Crashworthiness, Goodyear Aerospace Corporation- Report of Test on MIL-T-6396C, Phase II Qualification of T-41B Crash Resistant Fuel Cells, and Tests of Fuel Cell Fittings; Phase 4 Fuel Cell Qualification. Goodyear Aerospace Corporation, GERA-1502	1969-1970
11	13	Crashworthiness, Goodyear Aerospace Corporation- Report of Test on T-41B Crash-Resistant Fuel System Full Scale Crash Test, Phase 5. Goodyear Aerospace Corporation, GERA-1503. [incomplete]	1969
11	9	Crashworthiness, Goodyear Aerospace Corporation- Report of Test on Materials and Components for Use in the Development of a Crash Resistant Fuel System for the T-41B Aircraft, Phase 2. Goodyear Aerospace Corporation, GERA-1482	1969-1970
8	17	Crashworthiness, includes Robertson and Snyder	1971-1994
11	33	Crashworthiness-McDonald, W. C. "New Energy-Absorbing Materials for Crash-Resistant Fuel Tanks" (3-15)	1968
9	34	Crashworthiness-Miscellaneous (includes 1-12 and 15-11)	1950-1987
8	14	Crashworthiness-Turnbow et al. <i>Crash Survival Design Guide</i> . USAAVLABS Technical Report 67-22 (24-08)	1967

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8	15	Crashworthiness-Turnbow et al. <i>Crash Survival Design Guide</i> . USAAVLABS Technical Report 70-22	1969
12	48	Cunitz, R. J. "Psychologically Effective Warnings" <i>Hazard Prevention</i> (7-11)	1981
6	25	Curry, C. E., and M. D. Carpenter "Aerospace Information Report 1939 Trial Application." [associated with Case File 8725?] (18-19)	1986
13	17	Daniel, D. W. "Life Cycle Costing: Concepts, Problems, Structures and Data Bases" (18-16)	1986
14	59	Davidson, J. E. "Safety Inspection Guide. MOD III (A Systematic Approach to Conducting a Safety Inspection)" Sandia Laboratories SAND77-0857	1977
14	38	DeHaven, H. "Beginnings of Crash Injury Research" Proceedings of Thirteenth Stapp Car Crash Conference [associated with Case 8702?] (17-1)	1969
8	1	DeHaven, H. "Crash Research from the Point of View of Cabin Design" (18-17)	1946
14	20	DeHaven, H. "Packaging the Passenger..." <i>SAE Journal</i> (19-21)	1952
14	50	DeHaven, H. "The Relationship of Injuries to Structure in Survivable Aircraft Accidents," report to the Civil Aeronautics Board (1-29)	1945
15	32	DeHaven, H., and A. H. Hasbrook, "Use of Effectiveness of Shoulder Harness in Surplus Military Aircraft Flown by Civilian Pilots," AF Technical Report no. 6461 (1-13)	1951
11	21	"Development of Crash-Resistant Fuel Tanks for Wings of Aircraft," Civil Aeronautics Administration [associated with Case 8702] (17-19)	1956
9	52	Disasters	1980
14	57	Dosker, D. C. "Rotorcraft—A Different Breed" <i>Hazard Prevention</i> (17-34)	1992
7	22	Douglas, A. "Can Your Altimeter Lie?" <i>Aviation Safety</i> (19-08)	1990
6	2-3	Eiband et al. "Accelerations and Passenger Harness Loads Measures in Full-Scale Light-Airplane Crashes" NACA TN 2991 (2-8)	1953

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9	54	E-L Tru-Plane heliport lighting system from Midland Ross (8-18)	1985
9	56	Electrical	1988
9	57	Electronic flight services (8-14)	undated
12	16	Elston, S. B. "GE90- The Next Era in Aircraft Engine Technology and Reliability" (19-7)	1992
9	58	Embry-Riddle Aeronautical University	1993-1998
9	59	Emergency airworthiness directive (AD) no. 86-05-02. United Instruments altimeters (8-7)	1986
9	60-62	Emergency locator transmitters (ELTs)	1987-1992
10	1	Emergency locator transmitters (ELTs)	1970-1983
10	2	Engine teardown checklist (blank form)	undated
10	4	Engines	undated
10	5	Evidence (includes 8-7)	1978-1986
13	7	Examples of interrogatories and requests for production	undated
10	9	FAA 14 CFR Part 23, notice of proposed rule making	1967
10	8	FAA airworthiness directives history/dates	1975-1979
10	11	FAA memos and notices	1985-1990
14	13	FAA notice of proposed rulemaking (NPRM), airplane cabin fire protection	1989
14	15	FAA notice of proposed rulemaking (NPRM), turboshaft engine rotor burst protection	1989
10	6	Fairchild memo on stall avoidance system (SAS) [associated with Case 8747]	1984-1988
10	12	FAR 21.3: Reporting of failures, malfunctions, and defects	1982
10	7	"Farewell to One 'H' of an Engine" (Cessna O-320-H Skyhawk engine), <i>Aviation Consumer</i> (17-24)	1980
13	1	Federal Register, DOT- FAA, Improved Seat Safety Standards, 14 CFR Part 25 (17-5)	1988

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10	14	Federal Specification: Tube, Aluminum Alloy, Drawn, Seamless (25-23)	1963-1985
10	15	FH-1100 Breakup: Break-up analysis and wreckage examination of Hiller FH-1100, CF-WMO. See also information in Case File 4 (box 16)	1968
10	30	Fire- "General Aviation Accidents: Postcrash Fires and How to Prevent or Control Them," NTSB-AAS-80-2 (18-10)	1980
10	17	Fire [associated with Case 8516] (6-9)	1972-1981
10	28	Fire- Black, D. O. "Facilities and Methods Used in Full-Scale Airplane Crash Fire Investigation" (15-6)	1952
10	33-34	Fire- Eggleston, L. A. "Preventing After-Crash Fires" Parts 1 & 2, <i>Fire Engineering</i> [associated with Case 8702] (17-17 to 17-18)	1963
10	36	Fire- NTSB Safety Recommendations A80-90 through -95 on postcrash fires [associated with Case 8702] (17-21)	1980
10	35	Fire- Parks, R. L. "Maximizing Burn Injuries," Sixth National Institute on Litigation in Aviation (19-13)	undated
10	31	Fire- Pinkel et al., "Mechanism of Start and Development of Aircraft Crash Fires" (15-7)	1953
10	26	Fire- Posner, D. L. "Crash Survival and Crash Fires" (3-7)	1953
10	18-22	Fire. Includes NACA, AvSER, NASA, U.S. Army reports and studies (15-1 to 15-12)	1948-1961
10	40	Flap actuator arm extension vs. flap position (25-20)	1978
10	41	Flight Safety Foundation (FSF): Independent Internal Evaluation Standard Principles and Practices Forum	1992-1998
6	14	Flight Safety Foundation, <i>Aircraft Accident Investigation</i> Bulletin #1 ("The Selection of Personnel" by Jerome Lederer) and notes on history of aircraft accidents (8-23)	1948, n.d.

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12	52	Fox, R. G. "Identifying the Hazard Is Only the Beginning" <i>Hazard Prevention</i> (17-33)	1991
14	48	Fox, R. G. "Realistic Civil Helicopter Crash Safety" (16-29)	1986
15	23	Franco, F. J. "Test and Evaluation of the T-41B Aircraft Crash-Resistant Fuel Tank Installation," Dynamic Science report no. 156 (25-16)	1969
11	23	Fuel System	undated
11	24	Fuel Tank Material Samples	undated
15	24	Garrett TFE731	1977-1978
12	13	Garrett TPE 331 Turboprop Engine Progress Report (5-9)	1981
7	15	Garrison, J. R., and H. H. Waldrup, "The Bell Model 222." [associated with Case File 8702] (17-13)	1977
15	2	"General Aviation Crashworthiness Programs," Small Airplane Certification Directorate (25-14)	1985
12	15	General Aviation Technology Program, NASA (5-13)	1978
6	15	Glossaries. Includes "Glossary of Aeronautical Terms. Aircraft Accident Investigation" 2d ed., Transportation Safety Institute, U.S. Department of Transportation. [associated with Case File 8702?] (17-3)	1975
12	18-19	<i>Glossary of Aeronautical Terms</i> 2nd ed. U.S. Department of Transportation, Transportation Safety Institute. (Cover title: Aircraft Accident Investigation. Glossary)	1975, 1982
12	21	Government contractor defense	1986-1987
7	40	Greek, D.C. <i>Checklist of Human Engineering Design Principles</i> North American Aviation, Inc., Missile Division (7-9)	1959
12	37	Green, R. "Finger Trouble" (8-10)	undated
12	22	GTEC TPE331 Milan incident (engine failure of TPE331 engine S/N 92006 in MU-2F aircraft on 9 February 1969)	1969

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12	23	Haley, Turnbow, and Avery, "Safety Engineering for Crash Injury Prevention" (23-15)	1964
12	38	Hall, D. S. "Human Factors in the Design of Some General Aviation Aircraft" (7-10)	1970
14	49	Halsey, M. N. "The Relationship between Automobile Construction and Accidents" <i>SAE Journal</i> (25-07)	1932
12	24	Handbook master	undated
12	25	<i>Handbook of Descriptive Technical Terms</i> , U.S. Department of Transportation, Transportation Safety Institute [associated with Case 8702] (17-4)	1983
14	24	Harris and Harris, "Forensic Photography and Nighttime Visibility Issues" [associated with Case 8702] (17-2)	1992
15	36	Hasbrook, A. H. "What a Spray Plane Should Have" <i>Aviation Week</i> (1-12)	1950
12	26	Hazards. Includes NTSB reports NTSB-AAS-72-7 "Jet Blast Hazards," NTSB/HZM-88/02 "Hazardous Materials Incident Report, In-flight Fire, McDonnell Douglas DC-9-83, N569AA..." and NTSB-SR-81-1 "Aircraft Icing Avoidance and Protection" (16-24, 16-27, and 16-28)	1972-1988
12	27	Helicopters	1978-1983
11	28	Helio Courier Fuel System (25-22)	undated
13	11	"Help for Jet Lag," Mission Safety International	1984
12	46	Herzberg, F. "One More Time: How Do You Motivate Employees?" (19-31)	undated
15	40	Higgins, C. R. "Wind Shear Studies and Cockpit Integration" (8-12)	1985
12	30	Hose fittings	undated
12	31-34	Human factors (14-1 through 14-34)	1947-1985
10	24	Humy, B. G., and P. R. Richards, "Maslow, Motivation, and Your Employees" (15-14)	1981

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Box	Folder	Title	Dates
12	54-55	Imperial Airlines	1970-1971
6	39	Index of Service Bulletins and Alert Service Bulletins and list of FAA airworthiness directives for Model 206A/B helicopters [associated with Case File 8725?] (18-3)	ca. 1983
13	3	Instrumentation (Videorecorders)	1983-1984
13	8	Investigator's Workshop presented by Ludwig Benner, Jr., and Ira J. Rimson	1993
13	10	J.E.T., independent attitude reference system (5-8)	undated
14	12	Jackson et al. vs. Beech Aircraft Corporation et al. Notice of deposition and subpoena to James Terry (Beech Aircraft Corporation) and document exhibits (19-20)	1990
11	21	Johnson, N. B. "Fuel System Reliability and Maintainability Investigation. Volume I - Final Report," USAAMRDL-TR-74-51A (19-26)	1974
13	12	JT3D engine, Pratt & Whitney	undated
15	33	Kerrigan, R. E. "Usefulness and Accuracy of Summary Jury Trails" (19-10)	1987
13	13	Kohlman deposition summary (Leon et al v. Cessna Aircraft Company et al.	1986
14	17	Kutschenreuter, "Overview of AIR 1939" [associated with Case 8702] (17-7)	1986
7	45	Larrabee, E. E. "A Comparative Study" (Propellers) <i>Sport Aviation</i> (8-6)	1986
14	33	Lederer, J. "Politics and Safety," Flight Safety Foundation (8-21)	1952
15	12	Letters to and From R.B. Stone (ALPA) (7-4)	1982
12	36	Library 16-1 to 16-9; Human factors (16-1 through 16-9)	1980-1989
13	21	Light bulb analysis [associated with Case 8404]	1975-1985
13	14	Lockheed L-1011 failure mode and effects analysis (FMEA), galley lift system	1972-1976
6	43	Lowrance, H., "Asymmetrical Flap Failure" <i>The Subject is Safety</i> (Mission Aviation Fellowship) (7-1)	1985

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13	23	Lycoming notes	1976-1982
13	35	Lycoming Service Instruction	1963-1976
13	27	MacSwain, W. G. "Let Microprocessors Help: A Review of Programs for Hand Calculators and Desk Top Computers in Aircraft Accident Data Analysis"	1982
13	24	McCarter deposition (Abeyta et al. vs. Cessna Aircraft Co. et al. (22-38)	1993
14	16	McComber, C. A., and N. B. Jenkins, "The Organizational Stupidity Factor" (16-23)	undated
13	25	McDonnell Douglas on crack propagation	undated
12	42	Meister, D. "Men Should Fit Machines" (7-14)	1967
7	10	Mellone, V. J., and S. M. Frank, "Behavioral Impact of TCAS II on the National Air Traffic Control System." (19-27)	1993
13	28	Military specification: "Nut, tube coupling, short" (25-26)	1994
13	29	Military specification: Seat System: Crashworthy, Non-Ejection, Aircrew, General Specification for, MIL-S-58095(AV) [associated with Case 8727] (13-3)	1971
11	29-30	Military Specification: Tank, Fuel, Crash-Resistant, Aircraft, MIL-T-27422A (25 March 1964) and MIL-T-27422 (USAF) (14 July 1960) (07-30 and 07-31)	1960, 1964
13	30	Military specification: Tank, Fuel, Crash-Resistant, Aircraft, MIL-T-27422 (USAF) (7-30)	1960
13	31	Military specification: Tubing, Steel, Corrosion-Resistant (304), Aerospace Vehicle Hydraulic Systems, Annealed, Seamless and Welded, MIL-T-8504B (25-24)	1991
13	32	Military specification: Valve, Safety, Fuel Cell Fitting, Crash Resistant, Aircraft, General Specification for, MIL-V-27393A [associated with Case 8725] (18-20)	1964
13	36	Military standard, "Hose assembly, detachable end fitting, medium pressure," MS28741 (25-18)	undated

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13	37	Military standard, "Sleeve, flared tube fitting," MS20819 (25-25)	undated
12	45	Military Standard: Human Engineering Design Criteria for Military Systems, Equipment and Facilities, MIL-STD-1472B (7-8)	1974
13	33	Military standard: Light Fixed- and Rotary-Wing Aircraft Crashworthiness, MIL-STD-1290(AV) (7-28)	1974
13	34	Military standard: Light Fixed- and Rotary-Wing Aircraft Crashworthiness, MIL-STD-1290A(AV) superseding MIL-STD-1290(AV) 25 January 1974 (7-29)	undated
12	28	Miller, B. "High Costs Force Avionics Links" <i>Interavia Aerospace Review</i> (17-32)	1992
14	60	Miller, C. O. "Safety Management: A New Cause of Legal Action?" <i>Hazard Prevention</i> (8-24)	1984
11	31-32	Minutes of the Crash-Resistant Fuel Tank Conference, Indianapolis, Indiana [associated with Case 8702] (17-20 and 19-4)	1956
13	38-41	Mission Aviation Crashworthiness Committee (MACC). Also includes information on Wings of Hope, Mission Aviation Fellowship (MAF), and Jungle Aviation and Radio Service (JAARS)	1974-1988
15	25	Mitzkus, J., and H. Eyraimer, "Three-Point Belt Improvements for Increased Occupant Protection" [associated with Case 8702] (17-12)	undated
14	41	Modern Propellers: An Overview	1982
12	43	Mohler, S. R. "Mental Function in Safe Pilot Performance" Flight Safety Foundation <i>Human Factors Bulletin</i> (7-7)	1979
13	43	Mooney Aircraft Corporation (8-15)	1983
12	35	Mouden, L. H., and J. H. Enders, "Human Factors- Errors in Judgment" <i>Flight Safety Digest</i> (7-3)	1983
6	30	"NACA Conference on Airplane Crash-Impact Loads, Crash Injuries and Principles of Seat Design for Crash Worthiness" (2-4)	1956

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13	45	"NACA Conference on Airplane Crash-Impact Loads, Crash Injuries and Principles of Seat Design for Crash Worthiness" (2-4)	1956
13	46	NASA Aviation Safety Reporting System (ASRS)	1980
13	48	NASA- Chapter 2: Safety (5-15)	1972
13	47	NASA Safety Manual. Volume 1 Basic Safety Requirements (5-14)	1969
13	49	National Specialists Meeting on Crashworthy Design of Rotorcraft [associated with Case 8727] (13-2)	1986
15	8	Neihouse et al. "Status of Spin Research for Recent Airplane Designs," NASA TR R-57 (8-32)	1960
15	17	Neihouse et al. "Tail-Design Requirements for Satisfactory Spin Recovery," NACA Technical Note no. 1045 (8-28)	1946
15	18	Neihouse, A. I. "Tail-Design Requirements for Satisfactory Spin Recovery for Personal-Owner-Type Light Airplanes," NACA Technical Note no. 1329 (8-27)	1947
12	8-9	Nissley, P. M., and T. L. Heid, "Structural Design for Fuel Containment under Survivable Crash Conditions," FAA Technical Report ADS-19 (18-21 and 21-10)	1964
6	27	Nolan, D. "Airline Safety: The Shocking Truth" <i>Discover</i> (8-25)	1986
13	16	Norman R. Augustine's Laws (19-1)	undated
7	18	NTSB Aircraft Accident/Incident Summary Reports. Belleville, Illinois, August 22, 1987 and Pensacola, Florida, December 27, 1987. NTSB/AAR-89/02/SUM. [associated with Case 8702] (17-9)	1989
13	50	NTSB class on crashworthiness	undated
13	51	NTSB codes	1970
14	4	NTSB memos	1975-1986
14	2	NTSB on flight recorders	1983
14	3	NTSB petition	1981-1989

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14	5	NTSB press releases	1981-1997
14	6	NTSB problems	1980-1989
14	7	NTSB Safety Recommendations	1981
14	9	NTSB Safety Recommendations A-80-90 through -95	1980
14	8	"NTSB Recommends Review of Beech Baron/Travel Air Single Engine Stall Certification" <i>LPBA Journal</i> (7-24)	1981
13	44	Ouellet, J. V., "Motorcycles," reprint of book chapter for use in the Vehicle Accident Investigation and Reconstruction Course, International Center for Safety Education (19-18)	1978
14	19	PA140 Spins	1989
14	18	PA28 Spins	1989
14	28	Pangia, M. J. "Pilot Judgment: Current Developments in Evaluation and Training and Future Issues in Aviation Cases" <i>Journal of Air Law and Commerce</i>	1983
14	21	Papers from <i>Anthropometry and Human Engineering</i> . Includes H. P. Ruffell Smith, "British Theory and Practice in the Layout of Aircraft Cockpits" and M. G. Whillans, "Human Factors in Aircraft Design" (7-1)	1955
11	37	"The Perils of Fuel System Ice" <i>Light Plane Maintenance</i> (October 1986) (8-34)	1986
11	38	Perrella Final Report and SAE Paper Dec '78. Includes Edwards, W. T., and W. M. Perrella, "Crash-Resistant Fuel Systems for General Aviation Aircraft" and W. M. Perrella "Tests of Crash-Resistant Fuel System for General Aviation Aircraft," FAA-RD-78-122	1978-1979
5		Photographs	
14	23	Photography	1977-1985
14	25	Photos-Funny	undated
14	26	Pictures	1969-1990
11	39	Pilot Advisory- Miller, J. J. "Fuel System Icing" and "Anti-Icing Additives" <i>AOPA Pilot</i> (October 1986) (8-33)	1986
14	27	Pilot error (includes 17-25)	1947-1967
14	30	Piper	1970-1989

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
14	31	Piper "Bad Boy"	1983-1984, n.d.
15	26	Piper Tomahawk Pilot's Operating Handbook	1978
14	35	Pratt & Whitney Status and Information Report, CBAA '81. Includes PT6 engine	1981
14	14	Probability/ JAR-25 (Joint Aviation Requirements. Large Airplanes)	1989
14	39	Product liability litigation	1985, n.d.
14	32	Product liability paper	1985
12	47	"Professional Performance Analysis Checklist or Why Did Those Pilots Do That?" [associated with Case 8702] (17-11)	1988
14	40	Props	1979, n.d.
14	43	PT-6	1973-1979
14	44	PT-6 P3 Filter	1988-1991
12	49	Quiz on human factors (8-9)	undated
14	45-46	Radio Technical Commission for Aeronautics (RTCA) SC-136 Subcommittee on ELT Battery Problems	1972-1984
14	47	Radio Technical Commission for Aeronautics (RTCA) Special Committee 160 (SC-160) 406 MHz Emergency Locator Transmitters (ELTs)	1986-1989
13	42	Redman, J. F. "A Model for the Effect of Time between Overhauls on Engine System Reliability, Availability, and Operational Cost" [associated with Case 8702] (17-8)	1986
14	51	Remarks by E.R. Quesada on probable cause, 12th annual conference, Daniel and Florence Guggenheim Aviation Safety Center (8-22)	1962
14	52	"Removal of Disabled Aircraft" FAA advisory circular (AC) 150/5200-13 (16-26)	1970
12	1	Report of Test on the Development of Breakaway Valves for the Crash Resistant Fuel System of the T-41B Aircraft, Phase 3, Goodyear Aerospace Company GERA-1476	1968-1969
14	55	Risk Management USAF	1975-1979
12	6	Robertson Aviation AS350 Fuel System	1992

Series 2. Reference Materials
Subseries 3. Reference Documents
Inventory (cont.)

Box	Folder	Title	Dates
11	34-35	Robertson, S. H. "A New Look at Fuel System Design Criteria" [associated with Case 8702] (17-22 and 19-3)	undated
13	26	Robertson, S. H., and J. W. Turnbow, "A Method for Selecting a Crashworthy Fuel System Design" (25-21)	undated
14	56	Rolamite	1979
14	1	Rolef, S. A. "How to Take an NTSB Deposition" (19-12)	undated
9	53	Rothe, V. E., and J. W. Turnbow, "Dynamic Crash Tests of Fixed-Wing and Rotary-Wing Aircraft as Related to Seat Design" (2-2)	1962
6	18	Saba, J. "Aircraft Crashworthiness in the United States: Some Legal and Technical Parameters" <i>Journal of Air Law and Commerce</i>	1983
12	5	SAE Aerospace Information Report, "Self-Sealing Breakaway Valves for Crash-Resistant Aircraft Fuel Systems," AIR 1616 (23-08)	1983
14	58	Safety belts / seat design	undated
13	4	Safety courses: International Center for Aviation Safety (ICAS) and International Center for Safety Education, Inc.	1986
14	61	Safety programs	1984-1986
14	11	"Safety Report. The Status of General Aviation Aircraft Crashworthiness," NTSB-SR-80-2 (13-6)	1980
7	35	"Safety Review: Cessna P210," AOPA Air Safety Foundation (19-15)	1992
13	5-6	Sample interrogatories	undated
10	47	Scheuerman, H. P. "Crash Resistant Fuel Systems Demonstrations and Evaluation," FAA-RD-71-27 (25-11)	1971
15	3	Schroers, R. J. "Some Developments for Greater Crash Safety in Aircraft" <i>SAE Quarterly Transactions</i> (23-07)	1952
12	20	Secrest, J. R., and S. R. Torpey, "Government Contractor Defense-- Absolute Immunity for the Product Maker" (19-11)	undated

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
12	7	Shoulder Harness and Crashworthy Fuel Systems [associated with Case 8725] (18-5)	1978
14	53	Siahaya et al. "A Retrofit Crash Protection Installation in Two Models of General Aviation Aircraft" (19-32)	undated
15	11	Silver, B. W., "Statistical Analysis of General Aviation Stall Spin Accidents" (8-1)	1976
7	9	Slovic, P. "Behavioral Foundations of Decision Analysis: Final Report." (19-29)	1975
12	51	Snyder, R. G. "Human Impact Tolerance" [associated with Case 8702] (17-14)	undated
10	23	SOFIA: Stratospheric Observatory for Infrared Astronomy (15-13)	1988
9	51	Soltis, S. J., and J. W. Olcott, "The Development of Dynamic Performance Standards for General Aviation Aircraft Seats" (5-6)	1985
11	18-19	Sommers, J., and J. H. Clark, "The Development of Aircraft Crash-Resistant Fuel Cells, Safety Valves, and Breakaway Accessories" (3-4)	1962
15	4	Spark plugs	1978
15	5	Spatial disorientation	1984
13	15	"Special Investigation Report. Design-Induced Landing Gear Retraction Accidents in Beechcraft Baron, Bonanza, and Other Light Aircraft," NTSB-SR-80-1	1980
14	10	"Special Investigation Report. Design-Induced Landing Gear Retraction Accidents in Beechcraft Baron, Bonanza, and Other Light Aircraft," NTSB-SR-80-1	1980
13	52	"Special Study. General Aviation Accidents: Postcrash Fires and How to Prevent or Control Them," NTSB-AAS-80-2 (18-10)	1980
13	22	"Special Study. Light Twin-Engine Aircraft Accidents Following Engine Failures, 1972-1976," NTSB-AAS-79-2 [associated with Case 8725] (18-11)	1979

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
14	22	"Special Study. Passenger Survival in Turbojet Ditchings (A Critical Case Review," NTSB-AAS-72-2 (16-25)	1972
15	29	"Special Study. Turbine Engine Rotor Disk Failures," NTSB-AAS-74-4	1974
10	3	Stieglitz, W. I. "Engineering for Safety" (5-17)	1948
15	9	"Study of Compatibility of Standards for Drivers, Vehicles, and Highways," NTSB (19-17)	1969
7	1	"Summary of B & M Data Pertaining to Fuel Spillage Postcrash Fire and Crash Environment," B & M Technological Services, Inc. [associated with Case File 8516]	1986
12	14	Swearingen, J. J. "General Aviation Structures Directly Responsible for Trauma in Crash Decelerations," FAA-AM-71-3 (7-34)	1971
15	13	System safety (SS)	1975-1977
15	16	System safety notes	1975-1979
15	15	System Safety Society	1985-1986
15	21	Teledyne Continental Engine Mandatory Service Bulletin, M86-7 cylinder barrel cracking (8-8)	1986
15	22	Temperfoam cushions	1986
12	50	"Things Your Air Surgeon Never Told You" <i>Aviation Consumer</i> (19-30)	1982
9	49	Thurston, D. B. <i>Design for Flying</i> (selected pages) (16-10)	1978
9	48	Thurston, D. B. <i>Design for Safety</i> (selected pages) (16-11)	1980
15	38	Tibbets, P. W. "Why Pilots Make Mistakes" <i>Flying</i> (22-08)	1948
6	37	Tompkins, G. N. "Anatomy of Proof and Defense of Selected Aviation Cases Punitive Damages" (19-14)	1987
15	27	Toxic	1964-1979
15	28	TPE331 NTS	undated
9	55	Tru-Plane Design Guide, advisory circular no. RS85005 (8-19)	1985

Series 2. Reference Materials
Subseries 3. Reference Documents
Inventory (cont.)

Box	Folder	Title	Dates
15	30	Turboprop comparisons	1975-1979
15	19	Type Certificate Data Sheet 3A17 for T41 (R172E)	1985
6	1	University of Southern California - "513 Green Management." ASM 513, Systems Management and Organization Theory, Professor Green, University of Southern California, Institute of Aerospace Safety and Management	1968-1971
10	16	University of Southern California- "Field Guide for Aircraft Accident Investigation," University of Southern California (selected pages) (8-4)	1973
6	42	University of Southern California, Institute of Aerospace Safety and Management, ASM 511 Psychology and 517 Interviewing	undated
10	43	"U.S. General Aviation Accidents Involving Fuel Starvation 1970-1972," NTSB-AAS-74-1 (25-29)	1974
15	31	"United States Army Aviation Crash Injury Research," TREC Technical Report 62-13, AvCIR 61-20 (2-38)	1961
12	53	Vaughn, V. L., and E. Alfaro-Bou, "Impact Dynamics Research Facility for Full-Scale Aircraft Crash Testing," NASA TN D-8176 [associated with Case 8516] (6-1)	1976
13	20	Vaughn, V. L., and E. Alfaro-Bou, "Light Airplane Crash Tests at Three Pitch Angles," NASA Technical Paper 1481 [associated with Case 8516] (6-5)	1979
15	34	Vibration. Contains Ling Electronics Dialor for calculation of vibration level for random noise of uniform spectral density	undated
12	41	"Visual Displays" from W. E. Woodson, and D. W. Conover, <i>Human Engineering Guide for Equipment Designers</i> (7-13)	1973
15	35	Warsaw Convention	1987
15	20	Watters, D. M. "Crash Position Indicator/Crash Survivable Flight Data Recorder Ejectable Versus Nonejectable," Naval Air Test Center TM 83-1 SY (18-12)	1983
15	37	"When aircraft that are normally serviced with JP-4 are serviced with Jet A or JP-5 the coupling assemblies, NSN 4730-00-176-4617, begin to leak" (19-23)	1994

Series 2. Reference Materials**Subseries 3. Reference Documents****Inventory (cont.)**

Box	Folder	Title	Dates
15	39	"Windshear: Flight Path Control in Windshear" <i>Airliner</i> (8-20)	1985
10	42	Wood, R. H. "Investigative Tips: Fluid Samples," FSO Study Kit (8-3)	1971
15	44-46	World Aircraft Accident Summary – Helicopters 1990-1998	1995-1998
15	41-43	World Aircraft Accident Summary 1990-1996	1995-1997
12	12	"Your Tank Leak Is Only a Drop in the Bucket" <i>Aviation Consumer</i> [associated with Case 8702] (17-15)	1980
14	54	Zimmermann, R. E. "Retrofit Energy-Absorbing Crewseat for the SH-3 (S-61 Series) Sea King Helicopter" <i>SAFE Journal</i> (8-35)	1985

Series 3. Accident Case Files, 1945-1997**Extent:** 126.62 linear ft.

This series contains case files for aviation accident investigations conducted by David S. Hall. The contents of the files vary from case to case depending on the nature and extent of Hall's investigation. They may include depositions, photographs, notes, extracts from aircraft manuals, accident reports (NTSB, FAA, military, local police, etc.), pilot and aircraft logs, correspondence, etc. The files are listed in order by case file number.

Series 3 Inventory

Box	Folder	Title	Dates
16	1-5	Case File 4. Main rotor failure, Fairchild-Hiller FH-1100, N512FH, Goliad, Texas, 3 April 1968.	1965-1973
119		Case File 4. Photographs.	
		Case File 4. See also associated file in Series 2, Subseries 3 (box 10/folder 15).	
120		Case File 3603 (or 3063). Stall on takeoff, Brantly 305, N2212U, Orange, Texas, 30 March 1968. Have photographs only in this case file.	undated
16	6	Case File 7861. Partial engine power loss and stall/spin, Cessna C421, N1536T, Brookfield, Wisconsin, 19 February 1973. Case file consists of David S. Hall deposition only.	1977
16	7-10	Case File 7913. Crash short of runway, Cessna C501, N15NY, Canton, Ohio, 2 August 1979. (Thurmon Munson accident)	1979-1983
120		Case File 7913. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
16	11	Case File 7920. Uncontrolled descent and collision with ground following hydraulic system problems, Avions Marcel Dassault Falcon DA-10, N60MB, Denver, Colorado, 3 April 1977. Case file consists of David S. Hall deposition only.	1979
16	12-18	Case File 7932. Engine failure, Beech BE95, N2753Y, Madison, Alabama, 30 October 1978.	1946-1984
16	19	Case File 8000. Power loss, Sud Aviation/Aerospatiale SA315B, N13583, Springerville, Arizona, 7 November 1974. Case file consists of David S. Hall deposition only.	1981
16	20-24	Case File 8006. Stall, Cessna C152, N48835, Flagstaff, Arizona, 27 November 1979. Case file consists of David S. Hall depositions and testimony.	1982-1987
17	1	Case File 8007. Midair collision. Cessna 152, N49002, and Cessna 210A, N9539X, Mesa, Arizona, 16 January 1980. Case file consists of David S. Hall deposition only.	1981
17	2-30	Case File 8010. Collision with ground during aerial application operations, Aero Commander S2R, N5504K, Pahokee, Florida, 28 July 1977.	1977-1983
120		Case File 8010. Photographs.	
18	1-9	Case File 8029. Controlled flight into terrain, Grumman American AA-1A, N9293L, Columbia, California, 3 September 1979.	1983-1986
18	17-20	Case File 8110. Collision with trees, Cessna C170, N9117A, Morgan Hill, California, 20 March 1979.	1979-1982
120		Case File 8110. Photographs.	
18	21-26	Case File 8116. Stall, Beech BE35, N6079E, Albuquerque, New Mexico, 29 August 1981.	1961-1983
120		Case File 8116. Photographs.	
18	27-29	Case File 8206. Stall/spin during acrobatics training, Piper PA28, N56731, Palm Bay, Florida, 15 July 1981.	1985-1986
120		Case File 8206. Photographs.	
		Case File 8206. See also associated files in Series 2, Subseries 3 (box 6/folders 28-29).	
19	1-33	Case File 8218. Engine failure, Piper PA28, N7141C, Buckland, North Carolina, 19 July 1981.	1951-1984
98	1-6	Case File 8218 (continued).	1959-1984
120		Case File 8218. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
20	1-34	Case File 8302. Stall during training flight, Beech T34C, Navy 3E955 (Bureau No. 160955), Evergreen, Alabama, 13 July 1982. (Instructor pilot was Lt. Cmdr. Barbara Allen Rainey, the first female U.S. Naval aviator.)	1963-1984
21	1-13	Case File 8302 (continued).	1978-1984
121		Case File 8302. Photographs.	
21	14	Case File 8304. Overtopping of aircraft and a loss of oil incident, Mitsubishi MU-2, West Palm Beach, Florida, February and November 1980. Case file consists David S. Hall deposition only.	1983
21	15-22	Case File 8306. Loss of power on takeoff, Piper PA-31-350, N41045, Baton Rouge, Louisiana, 31 October 1982.	1973-1986
22	1-28	Case File 8404. Electrical system failure, Air Illinois Flight 710, Hawker Siddeley HS748, N748LL, Pinckneyville, Illinois, 11 October 1983.	1962-1989
audio tapes		Case File 8404. Audiocassettes (11), including CVR and ATC	1983
121		Case File 8404. Photographs. Case File 8404. See also associated file in Series 2, Subseries 3 (box 13/folder 21).	
22	29	Case File 8407. Midair collision, Cessna C182, N8468S, and Piper PA-28, N8274B, Tucson, Arizona, 18 March 1981. Case file consists of David S. Hall deposition only.	1984
23	1-25	Case File 8408. Nose over during attempted takeoff, Cessna 210, N4531K, Hot Sulphur Springs, Colorado, 22 June 1980.	1967-1994
18	10-16	Case File 8408 (continued). (These files were incorrectly labeled as 8048.)	1980-1986
122		Case File 8408. Photographs	
120		Case File 8408. Photographs (cont.) (incorrectly labeled as 8048)	
99	1-3	Case File 8417. Collision with ILS on takeoff, Aeroservicios Ecuatorianos (AECA), Douglas DC-8, HC-BKN (Ecuadorian registration), Quito, Ecuador, 18 September 1984.	1984-1985
122		Case File 8417. Photographs.	
99	4	Case File 8502. (Not an accident case.) Deposition of David S. Hall regarding maintenance and operations of National Florida Airlines with respect to the condition of their aircraft.	1985
99	5-6	Case File 8510. Collision with fence on attempted takeoff, Piper PA32RT, N2168D, Chester, Montana, 19 December 1979.	1986-1987

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
99	7	Case File 8514. Compressor stall, Beech T34C, Navy BuNo 160503, Alabama, 9 January 1984. Case file consists of David S. Hall deposition only.	1986
24	1-24	Case File 8516. Engine failure, Cessna C210, N6436N, Riesel, Texas, 1 April 1985.	1982-1994
25	1-39	Case File 8516 (continued).	1975-1986
86	1-20	Case File 8516 (continued).	1979-1997
123		Case File 8516. Photographs. Case File 8516. See also associated files in Series 2, Subseries 3 (box 7/folders 1 and 51; box 8/folders 3-4; box 9/folder 9; box 10/folder 17; box 12/ folder 53; and box 13/folders 18-20).	
26	1-4	Case File 8518. Seaplane collision with dirt and rock bank at lake edge during attempted takeoff, Aerofab, Inc., LAKE LA-4-250, N1401K, Medley, Florida, 23 September 1985.	1973-1989
26	5-24	Case File 8519. Uncommanded pitch-up of Navy helicopter during night landing at sea, SH-2F, Bureau Number 152202, USS Kinkaid, 11 December 1982.	1947-1986
124		Case File 8519. Photographs.	
26	25	Case File 8527. Crash after entering microburst on approach, Delta Airlines Flight 191, Lockheed L-1011, N726DA, Dallas/Fort Worth, Texas, 2 August 1985. Case file consists of articles about the crash only.	1985-1986
27	1-17	Case File 8528. Loss of engine power, Beech A100, N72BS, Cedarville, New Jersey, 1 February 1985.	1970-1989
124		Case File 8528. Photographs.	
27	18-24	Case File 8602. Crash following unspecified emergency on takeoff, Cessna 340A, N1923E, Dania, Florida, 14 February 1986.	1973-1987
125		Case File 8602. Photographs.	
27	25-26	Case File 8604. Stall and loss of control, Rockwell R114A, N5942N, Key West, Florida, 14 April 1984.	1976-1986
126		Case File 8604. Photographs.	
audio tapes		Case File 8604. Audiocassette: ATC at Key West.	1984
27	27-29	Case File 8612. Midair collision, Cessna 172M, N73708, and Piper PA-28, N6439R, Camp Verde, Arizona, 14 April 1985.	1986
28	1-30	Case File 8616. Loss of control, Beech 95-A55, N1494G, Concord, California, 23 December 1985. (Crashed into department store at Sunvalley Mall.)	1962-1988

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
87	1-5	Case File 8616 (continued).	1985-1988
126		Case File 8616. Photographs.	
87	5	Case File 8617. File contains documents concerning post impact fires in Beech 23 aircraft.	1987
87	6	Case File 8621. Loss of engine power, Beech 95-B55, N1UR, Palo Verde, Arizona, 4 August 1982.	1987-1988
127		Case File 8621. Photographs.	
87	7	Case File 8701. Collision with wires, Cessna 182Q, N28MB, Essex, California, 7 January 1987.	1987
127		Case File 8701. Photographs.	
87	8-9	Case File 8702. Collision with terrain, Bellanca 17-30A, N14748, Williams, Arizona, 24 November 1982.	1982-1987
		Case File 8702. See also associated file in Series 2, Subseries 3 (box 6/folder 15; box 7/folders 15, 18, 33, and 46-47; box 9/folder 22; box 10/folders 33-34, 36, and 44; box 11/folders 21, 31-32, and 34-35; box 12/folders 12, 25, 47, and 51; box 13/folder 42; box 14/folders 17, 24, and 38; and box 15/folder 25).	
87	10-11	Case File 8710. Loss of control, Bell 206B, N16969, Dublin, Ohio, 3 September 1982. Case file consists of David S. Hall deposition only.	1988
29	1-29	Case File 8711. Stall on initial climb, Beech T34C, VV3E496 (Bureau Number 160149), Summerdale, Alabama, 18 April 1986.	1986-1990
30	1-32	Case File 8711 (continued).	1980-1990
127		Case File 8711. Photographs.	
audio tapes		Case File 8711. Audiocassette, Columbia ATCT.	1986
31	1-3	Case File 8713. Loss of control, UH60A, Army serial no. 79-23314, Fort Bragg, North Carolina, 13 March 1985.	1985-1987
31	4-15	Case File 8716. Loss of engine power and loss of control, Cessna C421B, N8001Q, Savannah, Georgia, 11 December 1982.	1982-1988
128		Case File 8716. Photographs.	
31	16-17	Case File 8717. Loss of engine power, Cessna 402, N967JW, Anchorage, Alaska, 1 April 1987.	1987
129		Case File 8717. Photographs	
audio tapes		Case File 8717. Audiocassettes (2), ATC	1987
31	18	Case File 8718. Collision with power line, Cessna C182, N737ZL, Odessa, Texas, 12 May 1985.	1986-1987

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
88	1-19	Case File 8720. Loss of control on landing/go-around, Beech BE24, N5751V, Shawnee, Oklahoma, 13 March 1983.	1966-1987
100	1-3	Case File 8721. Wire strike, Rockwell International S2R, N8456V, Alvin, Texas, 3 May 1982.	1987
100	4-5	Case File 8722. Loss of control, Cessna C310, N5527K, Montgomery, New York, 3 June 1987.	1974-1987
129		Case File 8722. Photographs.	
100	6	Case File 8724. Loss of engine power, Eastern Airlines Flight 855, Lockheed L1011, N334EA, Miami, Florida, 5 May 1983. Case file consists of David S. Hall deposition only.	1987
32	1-17	Case File 8725. Controlled flight into terrain, Piper PA28, N2862C, Danville, California, 7 December 1983.	1965-1988
32	artifact box	Case File 8725. Dry air pump and miscellaneous parts	
32	photo box	Case File 8725. Photographs. Case File 8725. See also associated files in Series 2, Subseries 3 (box 6/folders 25 and 39-40; box 7/folder 16; box 9/folder 8; box 12/folder 7; and box 13/folders 2, 22, and 32).	
32	18	Case File 8727. (Accident is unidentified.) Fox, Roy G. "Realistic Civil Helicopter Crash Safety" (13-4) Case File 8727. See also associated files in Series 2, Subseries 3 (box 6/folders 8-9; box 9/folders 19-21 and 44; and box 13/folders 29 and 49).	1986
33	1-2	Case File 8728. Collision with terrain, Mission Aviation Fellowship, De Havilland Canada, DHC-6-100, PK-MAM, Ilaga, Indonesia, 25 May 1987.	1987
146		Case File 8728. Photographs.	
33	3-14	Case File 8730. Gear up landing due to landing gear failure, Beech C-24R, N6326U, Baton Rouge, Louisiana, 15 September 1985.	1976-1989
130		Case File 8730. Photographs	
33	15-18	Case File 8733. Explosion in left wing, Cessna 401, N3219Q, Henderson, Nevada, 6 November 1986.	1982-1988
130		Case File 8733. Photographs	
33	19	Case File 8734. Fire in cockpit, Douglas DC3, N711Y, Dekalb, Texas, 31 December 1985.	1985-1987
33	20-21	Case File 8737. Loss of engine power, Bell 222UT, N3194M, East Cameron Block 215 (offshore platform), 24 October 1985.	1985-1986

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
33	22-38	Case File 8739. Smoke emanating from engine, Cessna 421C, N26596, Clifton, Arizona, 16 August 1987.	1976-1989
131		Case File 8739. Photographs.	
34	1-24	Case File 8743. Nose over on water landing, Lake LA-4-200, N8001E, Hollywood, Florida, 14 July 1984.	1950-1988
131		Case File 8743. Photographs.	
35	1-4	Case File 8744. Inflight shutdown of engine, Ayres S2R, N4013D, California, 23 April 1985.	1985-1988
35	5-11	Case File 8747. Crash after takeoff, Swearingen SA226TC, N63Z, Terre Haute, Indiana, 30 January 1984.	1984-1988
132		Case File 8747. Photographs. Case File 8747. See also associated file in Series 2, Subseries 3 (box 10/folder 6).	
35	12	Case File 8749. Loss of control on landing rollout, McDonnell Douglas F/A 18, U.S. Navy, Miramar, California, 3 December 1985. Case file consists of David S. Hall deposition only.	1988
35	13-39	Case File 8801. Loss of engine power, Bell 206B, N29906, Hanalei, Hawaii, 7 June 1986.	1945-1989
147		Case File 8801. Photographs.	
35	40-44	Case File 8803. Collision with trees, Piper-28-181, N8266U, Durango, Colorado, 4 November 1987.	1967-1988
36	1-10	Case File 8805. Loss of control, Cessna C421, N98457, Kennesaw, Georgia, 8 August 1984.	1980-1988
36		Case File 8805. Photographs	
37	1	Case File 8806. Complete loss of power, Cessna C210, N5196W, Dulce, New Mexico, 17 February 1986.	1986-1988
148		Case File 8806. Photographs.	
37	2	Case File 8809. Arrow Air Inc., Douglas DC-8-63, N950JW, Gander International Airport, Newfoundland, 12 December 1985. Canadian Aviation Safety Board, Aviation Occurrence Report no. 85-H50902 and dissenting opinion.	1988
37	3-7	Case File 8812. Smoke in cockpit, Piper PA-32-300, N32774, Sayre, Pennsylvania, 13 May 1987.	1982-1989
133		Case File 8812. Photographs.	
37	8-11	Case File 8814. Inadvertent stall, Piper PA-31-325, N6ET, Orinda, California, 3 April 1988.	1982-1988
37	12-23	Case File 8815. Uncontrolled descent, Beech BE35, N904Q, Phoenix, Arizona, 29 May 1988	1978-1988

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
audio tapes		Case File 8815. Audiocassette, ATC.	1988
134		Case File 8815. Photographs.	
37	24	Case File 8817. Inadvertent stall, Piper PA28, N8876N, Phoenix, Arizona, 7 August 1986.	1986-1988
135		Case File 8817. Photographs.	
37	25	Case File 8819. Ongoing engine problems, Rockwell 690B (Garrett engines), N38LM. Case file consists of correspondence regarding engine problems and issues with previous maintenance, engine teardown/inspection report, and engine log.	1985-1987
38	1-25	Case File 8820. Loss of engine power, Beech B23, N7621R, Scottsdale, Arizona, 2 October 1988.	1970-1997
39	1-28	Case File 8820 (continued).	1953-1995
142		Case File 8820. Photographs.	
40	1-2	Case File 8821. Collision with terrain, Beech B35, N8875A, Ocotillo, California, 11 May 1988.	1988
149		Case File 8821. Photographs.	
40	3-4	Case File 8824. Failure to maintain control, Cessna C172, N54814, Grand Canyon, Arizona, 3 September 1988.	1985-1988
150		Case File 8824. Photographs	1988
40	5	Case File 8825. Loss of control, Cessna C152, N4657L, Chandler, Arizona, 4 November 1988.	1988-1989
151		Case File 8825. Photographs.	1988-1989
40	6-30	Case File 8827. Engine failure, Beech A36, N6170U, Dalton, Georgia, 30 March 1987.	1964-1992
152		Case File 8827. Photographs.	
101	1-7	Case File 8829. Loss of control on approach, Casa C-212-CC, N432CA, Mayaguez, Puerto Rico, 8 May 1987.	1990
101	8-9	Case File 8832. Explosive decompression, Aloha Airlines Flight 243, Boeing B737, N73711, Hawaii, 28 April 1988.	1988
41	1-21	Case File 8903. In-flight fire, Cessna C401, N4082Q, Soto La Marina, Mexico, 29 August 1986.	1966-1989
153		Case File 8903. Photographs.	
102	1-2	Case File 8904. Midair collision, Bellanca 7GCBC, N87002, and Pitts S2B, N5332G, Ramona, California, 10 January 1989.	1990
154		Case File 8904. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
42	1-29	Case File 8905. Loss of control, Bell B206L1, N5759H, Taylorville, Illinois, 17 March 1988.	1976-1992
155		Case File 8905. Photographs.	
43	1-2	Case File 8907. Loss of control, Cessna C206G, N732HH, Root Ranch, Idaho, 3 July 1988.	1988
43	3-6	Case File 8908. Hypoxia, Cessna C340, N8814K, Safford, Arizona, 14 February 1989.	1987-1989
167		Case File 8908. Photographs.	
43	7	Case File 8909. Explosive decompression, United Airlines Flight 811, Boeing 747, N4713U, Honolulu, Hawaii, 24 February 1989.	1989
156		Case File 8909. Photographs.	
43	8	Case File 8912. Loss of engine power, Piper Pa-46, N27EE, West Mifflin, Pennsylvania, 15 August 1986	1989
157		Case File 8912. Photographs.	
43	9	Case File 8913. Controlled flight into terrain, Independent Air Flight 1851, Boeing 707, N7231T, Pico Alto, Portugal, 8 February 1989.	1989
43	10	Case File 8916. Armed Services Board of Contract Appeals. Appeal of Boeing Military Airplane Company (KC-135 APU installation design).	1989
158		Case File 8916. Photographs.	
43	11-15	Case File 8918. Rapid descent and collision with terrain, Cessna C340A, N29HT, Orinda, California, 13 November 1982.	1982-1989
43	16	Case File 8921. Discharge of firearm by passenger, Pacific Southwest Airlines Flight 1771, British Aerospace BAE146, N350PS, San Luis Obispo, California, 7 December 1987. Case file consists of David S. Hall deposition only.	1989
43	17-19	Case File 8923. Vibration problems, compressor stall, and loss of engine power, Bushwacker Aero Corporation, Aerospatiale AS350, N11QL, Ft. Lauderdale, Florida, 12 May 1989.	1987-1990
159		Case File 8923. Photographs.	
43	20	Case File 8924. Preliminary file for A300 case that was never opened. Case file consists of accident/incident reports for Airbus A300/A310 and service difficulty reports for Airbus cabin pressure control, cargo door section for 1983 to August 1989.	1989
44	21-47	Case File 8925. Injury to mechanic, McDonnell Douglas DC10, California, 24 September 1986.	1968-1991
160		Case File 8925. Photographs.	
45	1-12	Case File 8926. Pilot disorientation, Cessna 210N, N6497N, Diboll, Texas, 6 February 1987.	1986-1989

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
45	13-19	Case File 8928. Inadvertent stall on take-off, Beech BE55D, N8386N, Livermore, California, 12 November 1986.	1986-1989
45	20	Case File 8929. Runway overrun on landing, Gates Learjet 24, N44GA, Avalon, California, 30 January 1984.	1984
45	21	Case File 8930. Loss of engine power, Cessna C310Q, N69JM, Scranton, Pennsylvania, 12 August 1983.	1989-1993
162		Case File 8930. Photographs.	
46	1-11	Case File 8932. Loss of engine power, Bell B206L1, N555GC, Wallingford, Connecticut, 16 October 1988. See also Case File 9425.	1978-1994
46	12-23	Case File 8934. Loss of control, Sunflower Airlines, De Havilland DH-114, DQ-FEF, near Nadi, Fiji, 27 December 1986.	1964-1994
161		Case File 8934. Photographs.	
47	1-13	Case File 9001. Loss of engine power, Bell 206B, N83080, Washington, D.C., 21 August 1987.	1984-1990
163		Case File 9001. Photographs.	
89	1-18	Case File 9004. Engine failure, De Havilland DHC2, N906JS, Fairbanks, Alaska, 3 September 1988.	1973-1992
164		Case File 9004. Photographs.	
48	1-21	Case File 9005. Collision with terrain, Piper PA28, N8417F, Roswell, New Mexico, 5 February 1988.	1982-1994
49	1-26	Case File 9005 (continued).	1984-1996
50	1-23	Case File 9005 (continued).	1972-1995
51	1-13	Case File 9007. Engine failure, Bell UH-1N, Navy Bureau Number (BuNo) 158255, near Ojai, California, 28 July 1987.	1972-1992
51	14-26	Case File 9008. Separation of propeller in-flight, Beech V35, Mexico, 3 February 1985.	1954-1992
51	27	Case File 9012. Loss of control, Piper PA-23, N4838P, Lake Tahoe, California, 14 August 1989.	1969-1990
165		Case File 9012. Photographs.	
51	28-37	Case File 9013. Fuel starvation, Bell 47G4A, N28938, Stockton, California, 2 February 1987.	1959-1992
143		Case File 9013. Photographs.	
51	38-40	Case File 9014. Loss of control, Cessna T207, N91081, Grand Canyon, Arizona, 13 April 1990.	1979-1993
166		Case File 9014. Photographs.	
52	1-3	Case File 9015. Engine failure, Cessna P210R, N6203A, Ogden, Utah, 12 July 1990.	1989-1991

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
51	41	Case File 9015. Photographs.	
52	4-14	Case File 9016. Loss of engine oil and forced landing, Cessna C208, N803FE, Fresno, California, 6 June 1990.	1973-1993
168		Case File 9016. Photographs.	
52	15	Case File 9017. Passenger struck by baggage falling from overhead bin, Boeing 727, 25 May 1988.	1988-1990
52	16-28	Case File 9022. Flight attendant injured in elevator shaft, Boeing 747, N9674, Bridgetown, Bahamas, 3 November 1988.	1970-1991
103		Case File 9022 (continued).	undated
104		Case File 9022 (continued).	1990
105	1-2	Case File 9023. Engine shutdown in flight and subsequent inability to obtain full power, Mexico, April 1990.	1971-1990
105	4	Case File 9023. Wreckage parts (artifact box).	
169		Case File 9023. Photographs.	
105	3	Case File 9024. Hartzell propeller damage, Piper PA-46, Canada, 24 June 1989.	undated
169		Case File 9024. Photographs.	
53	1-27	Case File 9103. Loss of engine power, Cessna C411, N7321U, Fallon, Nevada, 3 September 1990.	1968-1993
171		Case File 9103. Photographs	
106	1-2	Case File 9104. Engine failure, Douglas DC-6B, N84BL, Guatemala City, Guatemala, 5 May 1990.	1990-1993
144		Case File 9104. Photographs.	
106	3-5	Case File 9105. Stall and loss of control on takeoff, Ryan International Airlines, McDonnell Douglas DC-9-15, N565PC, Cleveland, Ohio, 17 February 1991.	1991-1992
106	6	Case File 9107. File contains Beech engineering flight test report: "Evaluation of the Friday International Vortex Generator Kit" (14 Feb. 1989) sent to Hall in connection with the case Dempsey/Smith v. Beech.	1993
106	7	Case File 9109. Collision with terrain, Beech BE36A, N3674B, Kneeland, California, 7 April 1990.	1992
54	27	Case File 9110. In-flight encounter with weather and loss of control, Bell 205, C-GNMJ, Wrangell, Alaska, 7 February 1990.	1990-1992
106	8	Case File 9113. Engine deceleration and forced landing, Aerospatiale SA-315B, N402AH, La Sal, Utah, 23 May 1990.	1990-1991

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
172		Case File 9113. Photographs.	
54	1-26	Case File 9114. Catastrophic engine failure, United Airlines Flight 232, McDonnell Douglas DC10, N1819U, Sioux City, Iowa, 19 July 1989.	1970-1991
107	1-4	Case File 9114 (continued).	1991
179		Case File 9114. Photographs.	
55	1-4	Case File 9115. Uncommanded in-flight deployment of engine thrust reverser, Lauda Air Flight NG004, Boeing 767, OE-LAV, Phu Toey, Thailand, 26 May 1991.	1980-1991
55	5	Case File 9118. Collision with terrain, Cessna 421C, N3851C, Cortez, Colorado, 29 March 1991.	1991
55	6-7	Case File 9119. Uncontrolled descent and collision with terrain, United Airlines Flight 585, Boeing 737-200, N999UA, Colorado Springs, Colorado, 3 March 1991.	1991-1993
55	8-11	Case File 9125. Engine failure, Cessna C207A, N6280H, Grand Canyon, Arizona, 13 May 1991.	1991-1994
55	12-23	Case File 9128. Engine failure, Piper PA32, N5513J, Culebra, Puerto Rico, 25 June 1991.	1968-1992
108	1-16	Case File 9133. Loss of control, Robinson R-22B, N8017D, Carmel, Indiana, 24 July 1991.	1979-1993
173		Case File 9133. Photographs.	
56	1	Case File 9136. In-flight fire, Cessna C172, N7031G, Bullhead City, Arizona, 7 September 1991.	1992-1993
56	2-3	Case File 9202. Collision with trees, Aerospatale/Socata TB-10, N20AZ, Ada, Oklahoma, 21 August 1990.	1990-1992
56	4	Case File 9208. Engine failure, Mitsubishi MU-2B-36A, N868MA, Mexicalli, Mexico, 12 April 1992. Case file contents relate to post-accident engine inspection and materials analysis.	1990-1992
174		Case File 9208. Photographs.	
56	5	Case File 9210. Wing spar separation during aerial application operation, Ayres S2R-T34, N59SK, Bakersfield, California, 23 March 1992. Case file consists of copies of airworthiness directives and "Declaration of David S. Hall in support of plaintiffs' opposition to defendant Rockwell's motion for summary judgment."	1994
56	6-27	Case File 9212. Engine failure, Cessna T210N, N6483C, Superior, Arizona, 9 July 1992.	1979-1996
175		Case File 9212. Photographs.	
180		Case File 9212. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
56	28-31	Case File 9213. Collision with terrain, Beech 95-A55, N1594S, Woodland, California, 21 November 1990.	1990-1993
57	1-24	Case File 9215. Collision with trees, Beech A36, N36MP, Gulfport, Mississippi, 2 December 1983.	1988-1992
58	1-32	Case File 9215 (continued).	1982-1992
90	1	Case File 9215 (continued).	1983
109	1-5	Case File 9215 (continued).	1996
176		Case File 9215. Photographs.	
177		Case File 9215. Photographs.	
179		Case File 9215. Photographs.	
59	1-33	Case File 9216. Loss of control, Executive Air Charter, CASA 212, N355CA, Mayaguez, Puerto Rico, 7 June 1992.	1994-1995
60	1-38	Case File 9216 (continued).	1988-1995
178		Case File 9216. Photographs.	
61	1-2	Case File 9217. Separation of engine and pylon in flight, El Al Cargo Flight 1862, Boeing 747, 4X-AXG, Amsterdam, The Netherlands, 4 October 1992.	1992-1993
61	3-6	Case File 9218 . Engine failure, Mooney M-20-C, N6481U, Santa Monica, California, 18 January 1992.	1986-1993
180		Case File 9218. Photographs.	
61	7-14	Case File 9220. Collision with trees, Beech 100, N887PE, Mayfield, Kentucky, 15 September 1989.	1989-1994
181		Case File 9220. Photographs.	
61	15-22	Case File 9221. Flight attendant injured in galley lift free-fall, Lockheed L-1011, 2 July 1991.	1984-1994
81	1	Case File 9221. TWA L-1011 cartridge	1992
182		Case File 9221. Photographs.	
72	15	Case File 9301. Descent into trees after takeoff, Mitsubishi MU-2B, N321ST, Campbell River, British Columbia, 8 September 1991.	1991-1993
72	16-17	Case File 9303. Loss of engine power, Cessna 421A, N3385Q, Cabazon, California, 1 November 1988.	1976-1993
183		Case File 9303. Photographs.	
72	1-14	Case File 9304. Stall, Sunrise Ultralight Aircraft Company, Spitfire II (non-certificated and non-registered airplane), Elk Grove, California, 5 April 1991.	1991-1994
72	18-19	Case File 9304 (continued).	1992

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
61	23-32	Case File 9306. Loss of engine power and hard landing, Bell 206-L, N501RS, Wading River, New York, 31 May 1989.	1955-1992
110	1-4	Case File 9307. Loss of engine power, Piper PA-34-200T, N2898C, Atlantic Ocean, east of Bimini, Bahamas, 12 November 1991.	1991-1992
110	5-6	Case File 9311. Loss of engine power, Cessna 182A, N6157B, Globe, Arizona, 21 October 1992.	1992
184		Case File 9311. Photographs.	
62	1-23	Case File 9312. In-flight separation of propeller blade, Mitsubishi MU-2-60, N66LA, Philadelphia, Pennsylvania, 18 August 1992.	1963-1995
63	1-22	Case File 9312 (continued).	1960-1995
64	1-22	Case File 9312 (continued).	1974-1995
185		Case File 9312. Photographs.	
65	1-4	Case File 9313. Loss of control, Cessna 421B, N421H, Muskogee, Oklahoma, 5 January 1991.	1991-1996
191		Case File 9313. Photographs.	
65	5-16	Case File 9314. Engine failure, Beech BE-200, N32HG, New Castle, Delaware, 16 June 1992.	1984-1996
170		Case File 9314. Photographs.	
66	1-47	Case File 9317. Collision with trees, Beech BE33, N20CF, Angel Fire, New Mexico, 2 July 1989.	1949-1994
67	1-26	Case File 9317 (continued).	1962-1997
68	1-50	Case File 9317 (continued).	1948-1996
69	1-22	Case File 9317 (continued).	1969-1996
91	1-10	Case File 9320. Loss of control, Beech BE58, N358K, Bates, Oregon, 2 November 1992.	1987-1993
137		Case File 9320. Photographs.	
91	11-13	Case File 9324. Collision with terrain, Cessna C303, N9667C, Prescott, Arizona, 4 July 1993. See also Case File 9609.	1991-1994
186		Case File 9324. Photographs.	
70	1-32	Case File 9325. Loss of power on takeoff, De Havilland DHC6, N141PV, Perris, California, 22 April 1992.	1965-1993
111	1-6	Case File 9325 (continued).	1968-1994
71	1-13	Case File 9326. Loss of control, Cessna CTU206, N732HH, Root Ranch, Idaho, 3 July 1988.	1960-1994
188		Case File 9326. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
71	14-17	Case File 9328. Loss of engine power, Beech BE65, N713JB, Pioneer, California, 30 June 1991.	1991-1994
189		Case File 9328. Photographs.	
71	18	Case File 9402. Forced landing, Piper PA38, N9302T, Akron, Ohio, 12 September 1991. Case file consists of David S. Hall deposition only.	1994
72	20-30	Case File 9403. In-flight collision with trees, Cessna T210L, N93110, Penasco, New Mexico, 25 October 1989.	1959-1996
190		Case File 9403. Photographs	
112	1	Case File 9404. Flight attendant received electrical shock from galley oven, McDonnell Douglas MD82, N955AS, California, 22 October 1989.	1994
73	1-15	Case File 9405. Loss of control, Fischer Bros. Aviation, Inc., dba Northwest Airlink, Flight 2268, Construcciones Aeronauticas, S.A. (CASA) C-212-CC, N160FB, Romulus, Michigan, 4 March 1987.	1979-1994
112	2-9	Case File 9405 (continued).	1987-1994
73	16-24	Case File 9406. Loss of control, Construcciones Aeronauticas, S.A. (CASA) C-212, U.S. Army, Patuxent River Naval Air Station, Maryland, 1 December 1989. See also Case File 9415.	1989-1994
74	1-20	Case File 9406 (continued).	1983-1994
113	1-4	Case File 9407. Collision with trees during firefighting operations, Grumman TS-2A, N427DF, Columbia, California, 19 June 1992. [N.B. NTSB database gives registration number as N427DE.]	1987-1994
161		Case File 9407. Photographs.	
191		Case File 9407. Photographs.	
113	5-6	Case File 9408. Collision with terrain, Cessna C177RG, N45022, Petaluma, California, 2 October 1993.	1994-1995
193		Case File 9408. Photographs.	
75	1-26	Case File 9412. Collision with terrain, British Aerospace J31, N131CA, Merced, California, 19 April 1993.	1967-1997
192		Case File 9412. Photographs.	
114	1-5	Case File 9413. Engine problems and collision with trees during firefighting mission, Douglas DC7B, N848D, Kyburz, California, 1 October 1992.	1992-1995
114	6	Case File 9414. Fire in-flight, Aero Commander 500A, N601MK, Livermore, California, 19 May 1994.	1994
194		Case File 9414. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
114	7	Case File 9415. Loss of control, Construcciones Aeronauticas, S.A. (CASA) C-212, U.S. Army, Patuxent River Naval Air Station, Maryland, 1 December 1989. See also Case File 9406.	1990-1994
76	1-15	Case File 9416. Fire in-flight, Mooney M20K, N231AX, Flagstaff, Arizona, 3 October 1990.	1993-1996
77	1-26	Case File 9420. Loss of control, Atlantic Southeast Airlines Flight 2311, Embraer EMB-120RT, N270AS, Brunswick, Georgia, 5 April 1991.	1982-1994
115	1-10	Case File 9420 (continued).	1987-1994
145		Case File 9420. Photographs.	
116	1-6	Case File 9423. Loss of power, Piper PA 36, N3735E, Beloit, Kansas, 1 April 1994.	1992-1997
136		Case File 9423. Photographs.	
78	1-16	Case File 9425. Loss of power, Bell 206L-1, N555GC, Wallingford, Connecticut, 16 October 1988. See also Case File 8932.	1980-1994
80	1-3	Case File 9426. Collision with wires, Piper PA32, N3562C, Napa, California, 10 March 1994.	1994-1996
80	6	Case File 9426. Videocassette, accident site.	1994
195		Case File 9426. Photographs.	
80	4	Case File 9430. Uncontrolled descent, USAir Flight 427, Boeing 737, N513AU, Aliquippa, Pennsylvania, 8 September 1994. The case file does not contain information about the accident itself. The file contains service difficulty reports for the accident aircraft (1974-1994), accident/incident and service difficulty reports for Boeing 737 aircraft, and a list of airworthiness directives for Boeing 737 aircraft.	1994
80	5	Case File 9431. Loss of engine power, De Havilland DHC-6, N141PV, Perris, California, 22 April 1992.	1972-1992
80	7	Case File 9432. Loss of control, Cessna C140, N46TM, Doylestown, Pennsylvania, 7 April 1993.	1993-1994
80	8	Case File 9433. Separation of propeller blade in-flight, Beech E95A, N9581Y, Poplar Grove, Illinois, 20 September 1994.	1981-1995
196		Case File 9433. Photographs.	
80	9-13	Case File 9434. Loss of control, SIAI-Marchetti F-260, N126MJ, Santa Monica, California, 26 November 1993.	1992-1995
138		Case File 9434. Photographs.	
80	14-15	Case File 9503. Loss of engine power, Cessna T210M, N6572M, Prentiss, Mississippi, 3 February 1994.	1991-1995
139		Case File 9503. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
80	16-20	Case File 9505. Collision with trees, Rockwell 1121B, LV-WEN, Córdoba, Argentina, 29 September 1994.	1972-1996
197		Case File 9505. Photographs.	
81	2-28	Case File 9507. Free fall of galley lift, TWA flight, Lockheed L-1011, N11008, 27 December 1991.	1970-1996
117	1-10	Case File 9507 (continued).	1970-1994
79	1-2	Case File 9509. Midair collision, De Havilland DHC-2, N1348, and Piper PA-12, N7832H, Nondalton, Alaska, 20 June 1995.	1995-1996
198		Case File 9509. Photographs.	
79	3-7	Case File 9511. Collision with terrain, Stevens S-8, N66191, Tucson, Arizona, 23 January 1995.	1984-1995
199		Case File 9511. Photographs.	
79	8	Case File 9513. Loss of control, Beech D95A, N4835J, Oakdale, California, 27 August 1994.	1995
200		Case File 9513. Photographs.	
79	9-39	Case File 9514. In-flight separation of propeller blade, Atlantic Southeast Airlines Flight 529, Embraer EMB-120, N256AS, Carrollton, Georgia, 21 August 1995.	1966-1996
92	1	Case File 9515. Spatial disorientation and loss of control, Cessna 182P, N9437M, Kneeland, California, 21 July 1995.	1995
201		Case File 9515. Photographs.	
92	3-21	Case File 9516. In flight encounter with weather and loss of engine power, FAA, Rockwell 1121A, N44, Oak Grove, Pennsylvania, 2 November 1988.	1960-1996
93	1-21	Case File 9601. Engine failure, Piper PA31, N27245, Tusayan, Arizona, 13 February 1995.	1979-1996
202		Case File 9601. Photographs.	
93	22-23	Case File 9604. Engine failure, Cessna 208B, N1037D, Valensol, France, 16 August 1993.	1996
93	24-30	Case File 9605. Loss of control, American Eagle Flight 3379, British Aerospace Jetstream 3201, N918AE, Morrisville, North Carolina, 13 December 1994.	1994-1996
82	1-32	Case File 9609. Collision with terrain, Cessna C303, N9667C, Prescott, Arizona, 4 July 1993. See also Case File 9324.	1977-1997
94	1-16	Case File 9609 continued.	1973-1997
203		Case File 9609. Photographs.	

**Series 3. Accident Case Files
Inventory (cont.)**

Box	Folder	Title	Dates
95	1	Case File 9610. Collision with terrain during aerobatics, Bellanca 8KCAB, N2596Z, New River, Arizona, 17 February 1996.	1996
204		Case File 9610. Photographs.	
95	2-3	Case File 9611. Rotor system collision with object, Hughes 369D, N5141Y, Dweese, Nebraska, 19 February 1996.	1994-1996
95	13	Case File 9611. Videocassette, Sanford helicopter inspection	1996
95	4-12	Case File 9614. Collision with terrain, Beech E18S, N51FG, Ypsilanti, Michigan, 8 June 1993.	1995-1996
205		Case File 9614. Photographs.	
92	2	Case File 9615. Loss of control, Cessna 210L, N5138Q, Grand Canyon, Arizona, 22 November 1995. Case file contains only photo log and photographs.	1996
206		Case File 9615. Photographs.	
83	1-27	Case File 9619. Injury to ground personnel, Boeing 757, N901AW, Phoenix, Arizona, 1 August 1994.	1970-1997
83	28-29	Case File 9621. Loss of control, Mitsubishi MU-2B, N220MA, Concord, New Hampshire, 9 July 1992.	1994-1997
207		Case File 9621. Photographs.	
208		Case File 9621. Photographs.	
209		Case File 9621. Photographs.	
83	30-35	Case File 9622. Collision with terrain, Cessna 172RG, N6267R, Grand Canyon, Arizona, 5 October 1996.	1996-1997
210		Case File 9622. Photographs.	
84	1-30	Case File 9701. Engine failure, U.S. Drug Enforcement Agency, Messerschmitt Boelkow-Blohm BO105, N9737N, Hilo, Hawaii, 13 August 1991.	1973-1997
211		Case File 9701. Photographs.	
		Case File 9701. See also associated files in Series 2, Subseries 3 (box 7/folder 48-50).	
85	1-22	Case File 9705. Failure of passenger seat, Boeing 737, California, 24 October 1993.	1985-1997
212		Case File 9705. Photographs.	
118	1-2	Case File 9806. Engine failure, Stinson 108-3, N6446M, Shelter Cove, California, 5 September 1994.	1988-1994
213		Case File 9806. Photographs.	

Series 3. Accident Case Files

Inventory (cont.)

Box	Folder	Title	Dates
96	1-22	Case File 9903. Loss of engine power, Piper PA31, N744W, Eel River Crossing, New Brunswick, 20 October 1996.	1974-1999
140		Case File 9903. Photographs.	