CENTER SERIES
ALECK C. BOND PAPERS

Aleck C. Bond received his BS in Aeronautical Engineering from Georgia Institute of Technology in Atlanta, Georgia, in 1943. Unable to obtain a commission in the military because of poor eyesight, he worked for Bell Aircraft Company in Marietta, Georgia as a Wing Design and Liaison Engineer for the B-29. He was inducted into the US Army in late 1945 and served for several months in the separation center. After a delayed basic training, he was stationed with the Army Air Corps at Wright-Patterson Air Force Base in Dayton, Ohio. There he worked on the Vertical Wind Tunnel where he was exposed to Operation Paper Clip and met Dr. Bernard Goethert. After his discharge, he returned to Georgia Institute of Technology where he received his MS in Aeronautical Engineering in 1948. From 1948-1958 he worked in the Pilotless Aircraft Research Division (PARD) at NACA Langley Research Center where he met Dr. Robert Gilruth and Maxime Faget. In 1958 he was invited to join the Space Task Group as a project engineer responsible for creating the Mercury heat shield. He became the head of the Performance Branch in the Flight Systems Division (1959-1960). He moved to Houston with the creation of the Manned Spacecraft Center. He became Assistant Chief, Flight Systems Division (1960-1962), Chief, Systems Evaluation and Development Division (1962-1963), Manager, Systems Test and Evaluation (1963-1967), Manager, Flight Safety and Reliability and Quality Assurance Offices (1967-1968), Assistant Director, Chemical and Mechanical Systems (1968-1975), and Assistant Director, Program Support (1975-1982). Boxes 1-4 consist of of 18 items given to the JSC History Collection on Wednesday, December 10, 2003 by Aleck C. Bond at his home in Seabrook, Texas. Mr. Bond explained that these notebooks and published manuals were reference materials he used during his tenure at Johnson Space Center. The collection is housed in acid-free folders in four acid-free boxes. Since the material came in no particular order, similar items were grouped together such as safety manuals, Criteria and Standards, MSC Technical Facilities, Engineering and Development Directorate, and Space Environment Test Division (SETD) General Operating Procedures. Mr. Bond noted that the two photocopied reports housed in box 4 were very important and were used often by his team. The Memoranda of policies and personnel requirements were artificially collected by himself as a Division Chief and later Manager within the E&D Directorate. Mr. Bond also put together the reports compiling the Nitrogen Hazards in the SETD. Boxes 5-33 were created from four additional donations from Mr. Bond. These were organized into groups reflecting various jobs, committees, positions held by Mr. Bond. Many groups are housed in the original order as filed when the donation was received. Box 34 represents a donation from Mr. Bond in February 2007 and adds two groups in their original grouping. Accident Investigation Board consists of files on five incidents investigated while Bond sat on this board. The Aerospace Safety Advisory Panel was a working group in 1967 which includes Bond's presentation documents to discuss plans for the reorganization of the Flight Safety Office and the reorganization of the Reliability and Quality Assurance effort. It also includes a close-out of actions in response to the AS-204 accident review board panel findings. AIAA Space Simulation Conference contains the conference volume of technical papers where Aleck Bond participated as a conference committee member (1964) or as General Chairman of the conference (1966, 1980). The AS-204 Accident group houses notes concerning management meetings regarding investigation of the Apollo Fire and Test and Remedial actions from March and April 1967. The originals, housed in two notebooks, were re-foldered in original order. The first notebook contained memorandum for actions assigned, the second contained memorandum for action items. In 1959, Aleck Bond was a Big Joe Project Engineer for the Space Task Group. The documents in the Big Joe group and Mercury Atlas groups reflect his work on this project. His notebooks were re-foldered keeping original order and headings. They include a meeting journal and log for Canaveral Operations, countdown documents, recovery photos, oversized drawings and schematics, technical details, personal notes, an instrumentation notebook, and ablation calculations. The Big Joe group contains many lengthy handwritten notes and calculations. The Engineering & Development Directorate group reflects Bond's work as Manager, Systems Test & Evaluation from 1963-1967 and Assistant Director, Program Support. The group includes research and plans for developing the Space Simulation chamber, reports on other test facilities and manpower briefings. Bond was a member of the Flammability Test Review Board and the group includes reports on test-plans, procedures or guidelines for the Apollo program. Bond was also involved in a number of flammability programs with the Flight Safety Office, including a Fire Suit Test program, the Houston Chamber of Commerce Fire Prevention Committee, and the JSC Aircraft Flammability Program. The NASA Conference on Materials for Improved Fire Safety was held by NASA to disseminate information to the airline industry and airline pilots association about non-flammable materials developed post-Apollo 1. Papers relating to the Flight Safety Office were housed in large folders. The original folder titles were kept, including papers on Safety and Mission Safety Assessments. Bond was a member of the Interagency Committee on Back Contamination in 1966. The committee, chaired by the Public Heath Service, was formed to draw on the advise and expertise of other agencies to protect public health without compromising the integrity of lunar samples. The committee advised on developing Lunar Receiving Laboratory policies. On January 10, 1967, the LRL was reassigned from the E&D Directorate to the new Science & Applications Directorate, and Bond was replaced on the committee by Robert Piland. Papers here includes minutes, correspondence, reports and personal notes. The Mercury-Atlas 1 group consists of handwritten notes of meetings, correspondence, minutes, and agendas. Bond kept two large notebooks, which have been foldered in original order and folder headings taken from

notebook tabs. The Modular Integrated Utility System group contains the background, program, plan, MOU with the Department of Housing and Urban Development, as well as paperwork regarding the system. The NACA Pilotless Aircraft Research Division (PARD) group reflects the contents of four original project notebooks kept by Bond during his work there. His work on heat transfer and thermodynamic properties are relevant to his Space Task Group position developing the heat shield for the Mercury capsule. The Oxygen Testing group is another collection kept together by Bond. Included are articles regarding findings and recommendations on explosions, gaseous environment considerations, manned testing summaries and O2-fed disasters. The Reference group is an artificial collection of books and publications that did not readily fit into another group and was found unattached to any other group among Bond's donation. Aleck Bond did so many things with Reliability & Quality Assurance that the documents and groupings were spread throughout his donation. We have grouped the three publications that came from Headquarters, and kept together all other documents related to the creation of the MSC R&QA office. Included in this group are memoranda, management directives, research, and presentations regarding the organization of the office. In addition there were other publications and documents related to Reliability & Quality Assurance for the manned space programs. Many were created when Bond was an Assistant Director and not while he was setting up the office, so they have been grouped separately from creation grouping, though they have been sorted by the program. Another trouble with sorting occurred with the Space Shuttle documents and publications. Bond's original order had them in small sub-groups that were not easily identifiable. They have been grouped in like sub-groups according to titles. The Space Shuttle Oxygen Systems Review and Space Shuttle Papers are kept in original order per Bond's organization. The Space Shuttle papers were housed together in one large folder and concerned space shuttle aerodynamic design and avionics. Many were written by Max Faget or given to Bond by Faget. The last group kept in original order is the Viking Advisory Review Panel. Scot Simpkinson from MSC had been requested to serve by Edgar Cortright, Director of Langley Research Center in December 1970. Simpkinson could not attend the first meeting, so Aleck Bond attended in his place and resulted in both men serving to represent MSC. All items in acid-free folders were originally housed in metal three-ringed binders that were showing signs of rusting. In addition, two items (the photocopied reports from box 4) had metal brads removed and the contents placed in folders. Aleck Bond is represented elsewhere in the history collection with several reports that he co-authored found in the General Reference File cabinet (now boxes) folders. He also has three oral histories that were conducted in 1998 and 1999. The transcripts are available in PDF format on the JSC history website. The transcript and audio recordings are also available with the JSC History Collection at UHCL. The Office Files of Aleck C. Bond, 1962-1971, measuring one cubic foot, can be found in the Records of the Lyndon B. Johnson Space Center, Record Group 255, at the National Archives and Records Administration, Southwest Regional Facility located in Fort Worth, Texas.

Inventory

SubHeading:	**Box Number: 01**	
	Manned Spacecraft Center Safety Manual MSCM 1700	October 1965
	Manned Spacecraft Criteria and Standards JSCM 8080	February 1, 1980
	Supplemental Information for Prospective Contractors Operational Support of Laboratories and Test Facilities at the NASA Manned Spacecraft Center	May 12, 1964
	Brown & Root - Northrop Safety Rules & Regulations for Operational and Maintenance Support Services for the NASA Manned Spacecraft Center	1965
	Space Shuttle Program, Configuration Management Requirements. Level II Program Definition and Requirements; Volume IV - Revision B JSC 07700	May 16, 1977
SubHeading:	**Box Number: 02**	
	Manned Spacecraft Center Personnel Manual MSCM 3000	November 1965
	Major Test Accomplishments of the Engineering & Development Directorate 1966	September 1967
	Major Test Accomplishments of the Engineering & Development Directorate 1967	October 1968
	Major Test Accomplishments of the Engineering & Development Directorate 1970-1971 MSC-07194	August 1972
	Technical Facilities Catalog, Volume II NHB 8800.5A (II)	October 1974

	Memoranda Policies & Personnel Requirements for Engineering & Development Directorate (E&D) at NASA JSC / MSC	1962-1980
SubHeading:	**Box Number: 02 ***	
	Major Test Accomplishments of the Engineering & Development Directorate 1968 MSC00121 * This 170 page document has been scanned	April 1969
	Major Test Accomplishments of the Engineering & Development Directorate 1969 MSC-02531 * This 196 page document has been scanned	June 1970
SubHeading:	**Box Number: 03**	
	Space Environment Test Division - General Operating Procedures Manual	1971-1980
	Nitrogen Hazards in the Space Environment Test Division (SETD)	1977-1981
	Thermochemical Test Area - General Operating Procedures Manual	January 1970
SubHeading:	**Box Number: 04**	
	Workbook for Predicting Pressure Wave and Fragment Effects of Exploding Propellant Tanks and Gas Storage Vessels. NASA CR-134906 (photocopy)	1976
	Workbook for Estimating Effects of Propellant Explosions NASA CR-3023 (photocopy)	1978
SubHeading:	**Box Number: 05**	
Accident Investigation Board	Accident Report on ECS Module C-59 in Building 32	January 14, 1966
Accident Investigation Board	Report of LLTV No. 1 Aft JP-4 Tank Failure	August 27, 1968
Accident Investigation Board	Accident at MSC/White Sands Operations on May 4, 1965	May 4, 1965
SubHeading:	**Box Number: 05 ***	
Accident Investigation Board	Accident Report Apollo Propulsion Systems Development Facility MSC/White Sands on May 4, 1965 - Employee Statements * All 43 pages of this document have been scanned	May 4, 1965
Accident Investigation Board	Accident Report Apollo Propulsion Systems Development Facility MSC/White Sands on May 4, 1965 * All 57 pages of this document have been scanned	May 4, 1965
Accident Investigation Board	Accident Report Apollo Propulsion Systems Development Facility MSC/White Sands on May 4, 1965 - Photographs * All 15 photos in this folder have been scanned	May 4, 1965
SubHeading:	**Box Number: 06**	
Advisory Group for Aeronautical Research & Development	Technologies of Manned Space Systems by Aleck C.Bond & Maxime A. Faget	nd
Aerospace Safety Advisory Panel	Close-out of Actions in Response to the AS-204 Accident Review Board Panel Findings	August 9, 1967
Aerospace Safety Advisory Panel	Aerospace Safety Advisory Panel - Interim Working Group	September 19, 1967
Aerospace Safety Advisory Panel	Aerospace Safety Advisory Panel - Presentation: The NASA Safety Program	July 25, 1968
AIAA Space Simulation Conference	A Volume of Technical Papers presented at AIAA Space Simulation Testing Conference. Pasadena, California	November 1964

AIAA Space Simulation Conference	A Volume of Technical Papers presented at AIAA/IES/ASTM Space Simulation Conference. Houston, Texas.	September 1966
AIAA Space Simulation Conference	11th Space Simulation Conference sponsored by NASA, IES, AIAA, ASTM. Houston, Texas	September 1980
SubHeading:	**Box Number: 07**	
Apollo Spacecraft Program Office	Apollo Spacecraft Reliability Assessment Engineering Program - Mission AS-204/LM-1 Success Index Assessment MSC-PA-D-67-9	August 11, 1976
Articles	Apollo 1 Fire	1967
Articles	Early History of Aeronautical Research in the United States by Dr. John F. Victory	April 24, 1952
Articles	Early Russian Manned Space Programs	1958, 1965-68
Articles	Early U.S. Manned Space Programs	1957-63, 1970
Articles	Program Management	1963, 1966, 1967
AS-204 Accident	AS-204 Accident Action Assignments	1967
AS-204 Accident	AS-204 Accident Action Items	1967
AS-204 Accident	CSM & LM Quality Assurance Overview	1968
AS-204 Accident	Diethylene Glycol / Water Tests	1967
AS-204 Accident	Dr. Gilruth's Review of Apollo Actions: Agenda & (Bond) Personal Notes	February 18, 1967
AS-204 Accident	Hittinger (Dr. William C.) visit (Bellcomm President)	1967
AS-204 Accident	Ignition and Flame Propagation	1967
AS-204 Accident	AS-204 Accident Memorandum	Feb.-Apr. 1967
AS-204 Accident	AS-204 Accident Presentation Notes	March 23, 1967
AS-204 Accident	AS-204 Accident Presentation Schedule	1967
Battelle TPS Design Structural Assessment	Battelle TPS Design Structural Assessment Correspondence / Presentation	1979-1981
Battelle TPS Design Structural Assessment	Draft Proposed Research Program on Orbiter TPS Strength Integrity Assessment	September 7, 1979
SubHeading:	**Box Number: 08**	
Battelle TPS Design Structural Assessment	Battelle TPS Design Structural Assessment Proposal	October 10, 1979
Battelle TPS Design Structural Assessment	Battelle TPS Design Structural Assessment Report	June 16, 1980
Big Joe	Atlas "D" Heat Shield Proposal Design (OVERSIZED)	1959
Big Joe	Big Joe I Recovery Items Flight Acceptance Test Results compiled by John B. Hall, Jr.	1959
Big Joe - Countdown Documents	Countdown Documents - Project Mercury HS-24 Capsule Checklists	August 30, 1959
Big Joe - Countdown Documents	Florida Test Procedure AMR Flight Acceptance Composite Test Atlas-Mercury 10D. Report # FTP-M-036	August 19, 1959
Big Joe - Countdown Documents	Florida Test Procedure AMR 10D Countdown Operations Mercury HS 36-1. Report # FTP-M-039A	August 27, 1959
Big Joe - Countdown Documents	Florida Test Procedure AFMTC Flight Acceptance Composite Test for Mercury HS-24. Report # FTP-M-1000	August 19, 1959
Big Joe - Countdown Documents	Abbreviated Flight Acceptance Composite Test for Mercury HS-24.	August 25, 1959

	Report # FTP-M-1001.	
SubHeading:	**Box Number: 09**	
Big Joe - Countdown Documents	Florida Test Procedure AFMTC HS-24 Countdown Operations for Atlas 10D. Report # FTP-M-1002.	Augsut 28, 1959
Big Joe - Countdown Documents	Florida Test Procedure AFMTC HS-24 Countdown Operations for Atlas 10D. Report # FTP-M-1002 (Rev.)	September 4, 1959
Big Joe - Countdown Documents	Mercury Mating and Instrumentation Test Operations Directive No. 1931.	June 29, 1959
Big Joe - Countdown Documents	Mercury Mating and Instrumentation Test Instruction No. 1931	June 29, 1959
Big Joe	Big Joe Drawings (oversized)	1959
Big Joe	G.E. Summary Report on the Design Development, Fabrication and Quality Control of the Instrumented Phenolic Glass Shield for NASA – Project “Big Joe” Contract ANS5-58. Volume 1.	June 4, 1959
Big Joe	Big Joe Heat Shield (OVERSIZED)	1959, 1961
Big Joe	Big Joe Heat Shield Ablative Calculations (OVERSIZED)	1959
Big Joe	Big Joe Heat Sheild MAC Ablation Shield Details and Tests (OVERSIZED)	1959
SubHeading:	**Box Number: 10**	
Big Joe	Big Joe Heat Shield Data (PHOTOS, OVERSIZED)	1959
Big Joe	HS-24 Temperature Calculations Notebook	1959
Big Joe	Big Joe Instrumentation Notebook	1959
Big Joe	Big Joe Instrumentation Notebook Controls	1959
Big Joe	Big Joe Instrumentation Notebook Instrumentation	1959
Big Joe	Big Joe Instrumentation Notebook Cooling System	1959
Big Joe	Big Joe Instrumentation Notebook Trajectory Data	1959
Big Joe	Big Joe Personal Notes re: Meetings	1959
Big Joe	Big Joe Press Kit	August 31, 1959
Big Joe	Project Mercury Notebook (HS-24)	1959
Big Joe	Big Joe: Qualification Tests	1959
Big Joe	Qualification Tests of the Big Joe Recovery System Components by John B. Hall, Jr.	September 1959
Big Joe	Big Joe Recovery Photos	1959
SubHeading:	**Box Number: 11**	
Big Joe	Big Joe Recovery Photos	1959
Big Joe	Big Joe Schedule Information (OVERSIZED)	1959
Big Joe	Big Joe Second Addendum to Section VI Shield Sensor of Summary Report on the Design Development, Fabrication and Quality Control of the Instrumented Phenolic Glass Shield for NASA Project “Big Joe” NAS 5-58, Vol. 1	June 4, 1959
Big Joe	Space Task Group Flight Systems Division Mercury Program Objectives	September 10, 1959
Big Joe	Technical Data for Big Joe Project. Contract NAS 5-58	1959
Big Joe	Big Joe Technical Details	1959

Big Joe - Technical Details	Big Joe Technical Details: Canaveral Details, Scheduling, Etc.	1959
Big Joe - Technical Details	Big Joe Technical Details: Cooling System	1959
Big Joe - Technical Details	Big Joe Technical Details: Control System Info	1959
Big Joe - Technical Details	Big Joe Technical Details: Parachute Cannisters	1959
Big Joe - Technical Details	Big Joe Technical Details: Pre-flight Report Data	1959
Big Joe - Technical Details	Big Joe Technical Details: Recovery System	1959
Big Joe - Technical Details	Big Joe Technical Details: Trajectory Meetings	1959
Big Joe	Big Joe: Terminal System and Pyrotechnic Check List	1959
Big Joe	Big Joe: Weigh Summary and Other Technical Details	1959
Big Joe	Big Joe: Weigh Summary and Other Technical Details Journal of Meeting	1959
Big Joe	Weigh Summary and Other Technical Details Log Canaveral Operations	June - August 1959
SubHeading:	**Box Number: 11 ***	
Big Joe - Technical Details	Big Joe Technical Details: Noise Measurement * This 16 page document has been scanned	1959
SubHeading:	**Box Number: 12**	
Big Joe - Working Paper	Working Paper Data Reduction	1959
Big Joe - Working Paper	Working Paper Introduction for Talk	1959
Big Joe - Working Paper	Working Paper Rough Draft	1959
Big Joe - Working Paper	Working Paper Technical History Draft	1959
Big Joe - Working Paper	Working Paper Technical History Draft Photographs	1959
Engineering and Development Directorate	Conceptual Plans for Test Facilities at JSC	1961-1963
Engineering and Development Directorate	Space Environment Simulation Chamber	1961-1963
Engineering and Development Directorate-Manpower Briefings	Chemical and Mechanical Systems Manpower Review	March 28, 1975
Engineering and Development Directorate-Manpower Briefings	Chemical and Mechanical Systems DTMO-POP-75-1 Requirements	March 4, 1975
Engineering and Development Directorate-Manpower Briefings	Engineering & Development Building Block Exercise	February 16, 1977
Engineering and Development Directorate-Manpower Briefings	E&D Manpower Review for Low, Yardley & Groo	November 1, 1975
Engineering and Development Directorate-Manpower Briefings	E&D Manpower Review Orbiter and Shuttle DDT&E Presentation to Director of JSC	January 18, 1982
Engineering and Development Directorate-Manpower Briefings	Introduction Presentation for Development, Test, and Mission Operations Review, NASA S 75-10668	March 27, 1975
Engineering and Development Directorate-Manpower Briefings	Manpower and Organizational Review (3 photos)	May 15, 1974
Engineering and Development Directorate-Manpower Briefings	Presentation to William Lilly, Manpower Review	March 28, 1975
Engineering and Development Directorate-Manpower Briefings	Shuttle Engineering Support presented to House Appropriations Surveys and Investigation Staff	November 10, 1976
Engineering and Development Directorate-Manpower Review	Space Environment Simulation Laboratory Status, Briefing to E. S. Groo and Mr. J. F. Yardley	July 16, 1975
Engineering and Development Directorate-Manpower Review	Utilization Planning for Test Facilities. Presentation to Mr. Elmer S. Groo	June 3, 1976

SubHeading:	**Box Number: 13**	
Engineering and Development Directorate-Space Simulation	Catalog of Space Simulation Vacuum Chambers, ATC Report No. ARTC-38	June 1964
Engineering and Development Directorate-Space Simulation	Cold Black Space: Space Environment Simulation Facilities General Electric	nd
Engineering and Development Directorate-Space Simulation	High Vacuum Systems (catalogs from Ultek & AeroVac)	nd
Engineering and Development Directorate-Space Simulation	Lecture on Space Environment Simulation. University of Tennessee Space Institute, by Aleck Bond	November 10, 1970
Engineering and Development Directorate-Space Simulation	Manned Operating Procedures for Space Environment Simulation Laboratory	1964
Engineering and Development Directorate-Space Simulation	NASA MSC Space Simulation Facilities Professional Qualifications Brochure, prepared by General Electric	January 22, 1962
Engineering and Development Directorate-Space Simulation	Proposal for the Environmental Test Facility of the Manned Spacecraft Center, Houston TX Honeywell Ordnance Division	February 19, 1962
Engineering and Development Directorate-Space Simulation	Simulation of the Space Environment, Jackson & Moreland, Inc.	October 1962
Engineering and Development Directorate-Space Simulation	Space Environmental Simulation Chamber Design Criteria	September 21, 1962
Engineering and Development Directorate-Space Simulation	Space Simulation Chambers, McDonnell	January 1965
Engineering and Development Directorate-Space Simulation	Space Simulation Systems, Lockheed Missiles & Space Company	c. 1962-1963
Engineering and Development Directorate-Space Simulation	Specifications for construction of Space Environment Simulation Chambers, Part I Vacuum Vessels. (Invitations for Bids)	March 1963
Engineering and Development Directorate-Space Simulation	Survey of Large Space Chambers, NASA Technical note D-1673	April 1963
Engineering and Development Directorate-Test Facilities	Crew Systems Laboratories of the Engineering & Development Directorate NASA-Johnson Space Center. Report # CSD-X-130	May 7, 1979
SubHeading:	**Box Number: 13 ***	
Engineering and Development Directorate-Test Facilities	Description of the Thermochemical Test Area Facilities // All 24 pages have been scanned	May 3, 1972
SubHeading:	**Box Number: 14**	
Engineering and Development Directorate-Test Facilities	Major Test Facilities of the Engineering & Development Directorate	April 1965
Engineering and Development Directorate-Test Facilities	Major Test Facilities of the Engineering & Development Directorate	April 1966
Engineering and Development Directorate-Test Facilities	Request for Proposal 9-BB42-84-2-15P Operational and Maintenance Support Services of Laboratories and Test Facilities	June 1972
Engineering and Development Directorate-Test Facilities	Summary of Activities of the Thermo chemical Test Area during Calendar Year 1968	January 1969
Flammability Test Review Board	Report to Senior Flammability Test Review Board. Results of M-6 Lunar Module Mockup Flammability Test	November 9, 1967
Flammability Test Review Board	Report to Flammability Test Review Board. Results of BP-1224 Command Module Mockup Flammability Test at 6.2 PSIA Oxygen Pressure	January 8, 1968
Flammability Test Review Board	Report to Flammability Test Review Board. Results of BP-1224 Command Module Mockup Flammability Test in 60 Percent Oxygen/40 Percent Nitrogen at 16.2 PSIA Total Pressure	January 26, 1968

Flammability Test Review Board	Recommended Flammability Tests for Boilerplate 1224. SD-67-1118	December 1, 1967
SubHeading:	**Box Number: 15**	
Flammability Test Review Board	Study of the Apollo Space Suit Electrical Fire Hazard. (includes photographs)	January 8, 1968
Flammability Test Review Board	Test Procedures and Test Plan for Apollo Command Module Mockup test, BP-1224	November 1967
Flammability Test Review Board	Test Plan and Test Procedures for Lunar Module (M-6) Flammability Test (mock-up)	June 1967
Flammability Test Review Board	Test Guidelines for Apollo Mock-up Tests in Support of S/C 2TV-1 and 101. Structure and Mechanics Division Report SMD-A2 Revision C	December 11, 1967
Flammability Test Review Board	Test Plan for M-6 Tests in Support of LTA-A and LM-2	August 14, 1967
Flight Safety Office	Fire Suit Test Program	1970-1975
Flight Safety Office	Houston Chamber of Commerce Fire Prevention Committee JSC Fire Safety Activities Presentation	May 30, 1973
Flight Safety Office	Houston Chamber of Commerce Fire Prevention Committee Correspondence	1973-1975
Flight Safety Office - JSC Aircraft Flammability Program	Air Transport Cabin Mockup Fire Experiments, Final Report	December 1970
Flight Safety Office - JSC Aircraft Flammability Program	Airplane Accidents	1970, 1974
Flight Safety Office - JSC Aircraft Flammability Program	Airplane Fire Safety	1981-1983
Flight Safety Office - JSC Aircraft Flammability Program	737 Fuselage Test (includes photographs)	1970, 1974
Flight Safety Office - JSC Aircraft Flammability Program	Correspondence, JSC Aircraft Flammability Program	1970-1975
SubHeading:	**Box Number: 16**	
Flight Safety Office - JSC Aircraft Flammability Program	Development of Fire Test Methods for Airplane Interior Materials	March 1977
Flight Safety Office - JSC Aircraft Flammability Program	Full-Scale Aircraft Cabin Flammability Test of Improved Fire-Resistant Materials	1974, 1976
Flight Safety Office - JSC Aircraft Flammability Program	Non-flammable Sample Swatches	nd
Flight Safety Office - JSC Aircraft Flammability Program	JSC Aircraft Flammability Program Papers	1971
Flight Safety Office - JSC Aircraft Flammability Program	JSC Aircraft Flammability Program Presentation	November 9, 1971
Flight Safety Office - JSC Aircraft Flammability Program	JSC Aircraft Flammability Program Presentation	1972
Flight Safety Office - JSC Aircraft Flammability Program	Special Aviation Fire and Explosion Reduction (SAFER) Advisory Committee Final Report	1980
Flight Safety Office - JSC Aircraft Flammability Program	JSC Aircraft Flammability Program Summary	1977
Flight Safety Office - Mission Safety Assessments	Cape Accident Investigation Report	March 1981
Flight Safety Office - Mission Safety Assessments	Major Safety Concerns Space Shuttle Program	July 8, 1977
Flight Safety Office - Mission Safety Assessments	Propulsion and Power Division Thermo chemical Test Area, Safety Review Report	1981, 1982
Flight Safety Office - Mission Safety Assessments	Report of the Accident Review Committee Combustion and Mixing Research Apparatus (CAMRA) Test Cell #1 Building 1221D	April 6, 1981
Flight Safety Office - Mission Safety	STS-1 Orbiter Noise Measurements	1981

Assessments		
Flight Safety Office - NASA Conference on Materials for Improved Fire Safety	NASA Conference on Materials for Improved Fire Safety Correspondence	1969-1970
Flight Safety Office - NASA Conference on Materials for Improved Fire Safety	History and Philosophy of the Apollo Flammability Test Program	May 6-7, 1970
Flight Safety Office - NASA Conference on Materials for Improved Fire Safety	Keynote Address by Representative Jerry L. Pettis	May 6, 1970
Flight Safety Office - NASA Conference on Materials for Improved Fire Safety	NASA Conference on Materials for Improved Fire Safety Photographs	May 6-7, 1970
Flight Safety Office	Papers on Safety	1951, 1964,1967-68
SubHeading:	**Box Number: 17**	
Flight Safety Office	Papers on Safety	1951, 1964, 1967-68
Flight Safety Office	Quality Assurance Program Plan	1967
Heat Protection	AVCO Everett Research Laboratory. Hypersonic Ablation and Interpretation of Test Results, S. Georgiev. Research Report 99, Contract AF 04 (647)-278	October 1960
Heat Protection	GE (General Electric) Proposed Ablation Heat Shield for Hypersonic Re-Entry Satellite Vehicle, Document No. 58SD932. (copy 2 of 50)	December 18, 1958
Heat Protection	Heat Protection by Ablation. (paper), Institute of the Aeronautical Sciences (IAS) Paper No. 60-8	January 1960
Heat Protection	Survey on Heat Transfer at High Speeds, Ernst Eckert, Univ. of Minnesota, Wright Air Development Center, WADC Technical Report 54-70.	April 1954
Heat Protection	The Performance of Ablation Materials as Heat Protection for Re-Entering Satellites. Institute of the Aeronautical Sciences (IAS) Paper No. 60-49.	January 1960
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination	1966-1969
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination Briefing	1966
SubHeading:	**Box Number: 18**	
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination Handbook	1966
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination Lunar Biomedical Program	1966
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination Notebook	1966
Interagency Committee on Back Contamination	Interagency Committee on Back Contamination Preliminary Report	1966
LM-5 Flight Readiness Review (FRR)	LM-5 Flight Readiness Review (FRR)	June 9, 1969
LM-5 Flight Readiness Review (FRR)	LM-5 Flight Readiness Review (FRR) Agenda	June 9, 1969
Manned Space Flight Cost Study Group	Manned Space Flight Cost Study Group	1969
SubHeading:	**Box Number: 19**	
Manned Tests – Thermal Vacuum Tests	CSM 008 Test Reports	1966
Manned Tests – Thermal Vacuum Tests	CSM 008 Test Reports Apollo Spacecraft 008 Thermo-vacuum Test Rules	July 14, 1966
Manned Tests – Thermal Vacuum Tests	CSM 008 Test Reports Pilot’s Report	nd
Manned Tests – Thermal Vacuum	CSM 008 Test Reports 2TV-1 Thermal	November 1969

Tests	Vacuum Test Summary Apollo Block II CSM	
Manned Tests – Thermal Vacuum Tests	S/C 2TV-1 Test Project Engineering Report. Thermal Vacuum Test	June 24, 1968
Manned Tests – Thermal Vacuum Tests	Test Report Command Service Module, 2TV-2 Thermal Vacuum Tests. MSC-07299	November 1972
SubHeading:	**Box Number: 20**	
Manned Tests – Thermal Vacuum Tests	Thermal Vacuum Crew Training for LM-5 and LM-6 Apollo Lunar Landing Missions. TIR 726-S-9240 (S)	June 30, 1969
Mercury-Atlas 1	Aero and Loads	1960
Mercury-Atlas 1	Capsule	1960
Mercury-Atlas 1	Checkout Procedures	1960
Mercury-Atlas 1	Failure Investigation	1960
Mercury-Atlas 1	Failure Investigation Capsule Information for review of cause of MA-1 Mission Failure, Part II	August 11-12, 1960
Mercury-Atlas 1	Failure Investigation Qualification Tests on the MA-1 Terminal System	June 25, 1960
Mercury-Atlas 1	Florida Test Procedure AMR Countdown for FRF & Launch of MA-1, Report # FTP-MA-1009	July 18, 1960
Mercury-Atlas 1	Florida Test Procedure AMR 50D Countdown Operations (Mercury) Report # FTP-M-068A	July 18, 1960
SubHeading:	**Box Number: 21**	
Mercury-Atlas 1	Florida Test Procedure AMR First Mate and Instrumentation Test MA-1 (Atlas 50D). Report # FTP-MA-1005	1960
Mercury-Atlas 1	Florida Test Procedure AMR Flight Acceptance Composite Test for MA-1 (Atlas 50D)., FTP-MA-1006	1960
Mercury-Atlas 1	Heating Info	1960
Mercury-Atlas 1	Information from Engineering	1960
Mercury-Atlas 1	Information to Engineering	1960
Mercury-Atlas 1	MA-1 Gantry Checklists for First Mate and Instrumentation Test, prepared by T. N. Williams	July 1, 1960
Mercury-Atlas 1	MA-1 Gantry Checklists for Launch. Report # FTP-MA-1012	July 26, 1960
Mercury-Atlas 1	MA-1 Final Pyrotechnic Hookup	nd
Mercury-Atlas 1	MA-1 Flight Test Trajectory	1960
Mercury-Atlas 1	MA-1 Test Objectives	March 2, 1960
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