

## CENTER SERIES

### MAXIME FAGET FILES

Dr. Faget's experience at NASA and its predecessor NACA began in 1946 when he joined the staff at the Langley Research Center as a research scientist and worked in the Pilotless Aircraft Research Division before becoming head of the Performance Aerodynamics Branch. Faget was among the original thirty-five members of the Space Task Group that formed the core of the Johnson Space Center. In 1961, he became head of the E & D Directorate responsible for the design, development, and test of all spacecraft systems. Dr. Faget holds individual or joint patents on the Mercury capsule, the astronaut survival couch, and the Shuttle vehicle system among others. Materials in this subseries came to the History Office shortly before Dr. Faget's retirement from the Center in 1982. The first four boxes consist of correspondence files dated from 1958 through 1981. The remainder of the collection is composed of subject files arranged chronologically. A number of the papers that Dr. Faget presented to professional societies and organizations may be found in this section. Also of particular interest is a strong grouping of materials related to Space Station activities in the late 1960's. The subseries also contains a healthy number of Shuttle related presentation materials that may be helpful in documenting the evolution of the orbiter's design configuration. As with the correspondence, materials in this section are dated from 1958 through 1981.

#### Inventory

<b>SubHeading:</b>	<b>Box Number: 01</b>	
	Chronological Files (6 folders)	1958 - 1964
<b>SubHeading:</b>	<b>Box Number: 02</b>	
	Chronological Files (7 folders)	1965 - 1968
<b>SubHeading:</b>	<b>Box Number: 03</b>	
	Chronological Files (9 folders)	1969 - 1976
<b>SubHeading:</b>	<b>Box Number: 04</b>	
	Chronological Files (6 folders)	1977 - 1981, n.d.
<b>SubHeading:</b>	<b>Box Number: 05</b>	
	Supporting Material - Biographies	1971 - 1979, n.d.
	Award Nominations	1968 - 1976, n.d.
	ASME Meeting, Houston, Texas ASME Gold Medal	December 3, 1975
	NAECON Meeting, Dayton, Ohio Harry Diamond Award	May 20, 1976
	ISA Albert Sperry Award, Houston, Texas	October 12, 1976
	AAS Space Flight Award	1976
	Patents	1959 - 1979
<b>SubHeading:</b>	<b>Box Number: 06</b>	
	Navigation Chart	1943
	CIA Briefing on U.S. - U.S.S.R. Space Programs - Faget's Notes	c. 1958
	Space Age News Statement by Faget	October 1959
	Mercury Capsule Conceptual Drawings	1959
	Project Mercury Standard Presentation	c. 1959 - 1960
	"Mercury Capsule and Its Flight Systems" IAS 28th Meeting, New York	April 1960
	United Nations Conference on Peaceful Uses of Outer Space	1960
	Academy of Model Aeronautics	1961
	TN-D-1254 Preliminary Studies of Manned Satellites Wingless Configuration: Nonlifting	March 1962
	"From Mercury to Mars"	February 1963
	Space Station Program Milestone	1963

	Chart	
	Science Fair Presentation	March 16, 1963
	Seminar on Engineering, Design, and Operation of Spacecraft	1963, 1968
	Materials related to publication of Engineering, Design and Operation of Manned Spacecraft	1963 - 1964, n.d.
	"A Look Into the Future" Houston Chronicle Article	January 1964
	Faget Presentation to Apollo Program Review	February 1, 1964
	The Engineer in U.S. Space Research	March 5, 1964
	"Spacecraft Reentry, Landing and Recovery Techniques", Presentation to Third Manned Space Flight Meeting	November 1964
<b>SubHeading:</b>	<b>Box Number: 07</b>	
	"The Impact of Space Exploration on Teacher Education Programs", Regional Education Symposium Proceedings	June 17, 1966
	Space Station Activities	1966 - 1969
	Antarctic Expedition, January 1-11, 1967	1965 - 1970
	"Orbital Space Stations with Artificial Gravity", Role of Vestibular Organs in Space Symposium	1968
	Speech Material on Engineering Profession	1968 - 1969, n.d.
<b>SubHeading:</b>	<b>Box Number: 08</b>	
	Original Drawing - Space Shuttle	April 8, 1969
	Space Shuttle Special Project Staff Roster of Personnel	May 29, 1969
	MSC ILRV Space Shuttle Presentation Material	August 13, 1969
	"New Configuration Concept for Space Shuttle" Orbital International Laboratory Panel of the International Academy of Astronautics, Cloudcroft, New Mexico	September 28, 1969
	"Apollo Life Support and Protective Systems" 20th International Astronautical Congress, Mar del Plata, Argentina	October 5 - 12, 1969
	MSC Report of Space Shuttle Action Items Presentation Material	October 18, 1969
	Oral History Transcript - Max Faget	December 15, 1969
	E & D Space Shuttle Symposium	December 18, 1969
	Request for Proposal: Conceptual Verification and Preliminary Design of an Advanced Manned Shuttle Vehicle for Space Operations	1969
	New Configuration Concept for Space Shuttle that Provides Suitable Characteristics for Launch, Entry, and Landing	1969
	"Space Shuttle: A New Configuration" Article for Astronautics and Aeronautics	January 1970
	Shuttle Article for Space Aeronautics	February 1970
	DC-3 Shuttle Presentation to Dr. von Braun	April 29, 1970
	Pre-Phase A Study of a Shuttle Launched Space Station	September 16, 1970
	Fundamental Design Considerations	October 4 - 10, 1970

	for an Earth - Surface - to- Orbit Shuttle, XXlst International Congress	
	Space Shuttle Article for World Book	1970
	Shuttle Presentation to European Nations, Photographs	1970
	Presentation to Manned Space Flight Management Council Re: Shuttle Study	June 9, 1971
<b>SubHeading:</b>	<b>Box Number: 09</b>	
	"Technology Past, Present and Future" AIAA Student Journal	February 1972
	24th International Astronautical Congress, Baku, U.S.S.R. (Presentation of Guggenheim Award)	October 7 - 13, 1973
	International Program Committee (IPC) Meeting for IFAC Symposium on Automatic Control, Zurich, Switzerland	March 12 - 14, 1974
	Shuttle Weight and Performance Assessment Team	April 3, 1974
	Cross Range Impact on Orbiter Thermal Protection System (with viewgraphs)	May 1974
	"Background and Planning for the Apollo-Soyuz Mission" IFAC, Tsachkadzor, U.S.S.R.	August 26 - 31, 1974
	IFAC, Boston, Mass	August 25, 1975
	"Evolution of Flight Control of the Apollo Mission", Space Hall of Fame	October 5, 1976
	International Space Hall of Fame, Alamogordo, New Mexico	October 5 - 9, 1976
	IFAC Congress, Helsinki, Finland	1978
	"Transition from Space Shuttle to Space Transportation", AIAA 15th Meeting	February 6 - 9, 1979
	Leaders article	c. August 1980
	Abbotsford International Air Show, Vancouver, British Columbia	August 5 - 12, 1980
	"The Space Shuttle"	September 1980
	International Astronautical Federation, Rome, Italy	September 6 - 12, 1981
	"Space Shuttle Life Support Systems: A Status Report, IAF Conference	September 6 - 12, 1981
	"An Overview of United States Manned Space Flight from Mercury to the Shuttle, IAF Conference	September 6 - 12, 1981
<b>SubHeading:</b>	<b>Box Number: 10</b>	
	Space Shuttle Photographs	1972
	Space Shuttle Photos (including Straight Wing Orbiter models)	1969 - 1978
	Shuttle Presentation Charts	c. 1980
	NASA Manned Spacecraft Center Facilities	n.d.
	New Configuration for Space Shuttle that Provides Suitable Characteristics for Launch, Entry, and Landing	n.d.
	Mars Mission Drawings	n.d.
	Lunar Lander Drawings	n.d.
	Apollo Program Presentation Charts	n.d.
	Sample space related fabrics	n.d.
	Miscellaneous Material	n.d.