

CENTER SERIES

SPACE AND LIFE SCIENCES

Contained in this subseries are materials related to the space and life sciences functions at JSC. In 1977, in an extensive reorganization, the Center combined the Science and Applications and the Medical Research and Operations Directorates in the current Space and Life Sciences Directorate. For this reason there is correspondence in the collection marked with D Codes, T Codes and S Codes. The directorate is "responsible for planning and conducting continuing programs in life sciences, medical research, science experiment development, science payload management, lunar and planetary science, earth observation (remote sensing), and space sciences." It manages and supports principal investigators in the design and implementation of experiments, conducts a biomedical research program to study the physiological effects of space flight on humans in support of crew health care, participates in astronaut selection procedures, and administers the use of lunar samples by the scientific community. The collection is composed of correspondence and activity reports filed chronologically and a group of subject files. Of particular interest are materials related to crew health maintenance facility and regenerative life support system studies. Also of considerable importance are documents concerning medical and life science considerations for long duration spaceflight (Shuttle and Space Station).

Inventory

SubHeading:	Box Number: 1	
	Correspondence (8 folders)	1969 - October 1973
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	Correspondence (7 folders)	November 1973 - April 197
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	Correspondence (10 folders)	May 1974 - 1980
SubHeading:	Box Number: 4	
	Space and Life Sciences Directorate Weekly Activity Reports (2 folders)	1967, 1969, 1974 - 1976
	Life Sciences Report	1987
SubHeading:	Box Number: 5	
	G. C. Augason, "Manned Space Astronomy, 1960 - 1966"	November 1966
	Director's Staff Meeting, Science and Applications Directorate	1968 - 1969
	Life Sciences Payload Committee Meeting Minutes	1973
	Office of Space Science and Applications POP 70-1 Research and Technology Resume Submission	April 1970
	Aerojet Medical Systems, Technical and Critical Design Review, Microbial Ecology Evaluation Device Program, Ground Support Equipment (2 volumes)	September 1971
	Aerojet Medical Systems, MEMS Technical Design Review and Tradeoff Analysis	September 22, 1971
	JSC Plan for Safeguarding Lunar Samples, JSC-03225, Revision C	1973
	Office of Space Science POP 74-2	July 1974
	Balloon - Borne Ultraviolet Stellar Spectrometer, 1971 - 1977 (2 volumes)	1974, 1976
	Functions and Facilities, Space and Life Sciences Directorate	September 1978
	Planetary and Earth Sciences Division, Report on Accomplishments of 1981 Visitor's Program	1982
SubHeading:	Box Number: 6	
GENERAL	Hull, W. E., "Notes on the Nature of	October25, 1968

	Medical Research and Operations in the Continuing Flight Program"	
GENERAL	MSC-03909, Habitability Data Handbook, Volume 2: Architecture and Environment	July 31, 1971
GENERAL	Medical Contingencies Associated with Manned Spaceflight	October 1976
GENERAL	Regenerative Life Support Evaluation	1976 - 1977, 1983, n.d.
GENERAL	Human Roles in Space (Manned vs Unmanned)	May 1980, n.d.
GENERAL	Miscellaneous Presentation Charts re: Health Maintenance, ECLSS, Housekeeping, etc.	1980, 1982, n.d.
GENERAL	Life Sciences program plan for the next decade	c. 1982
GENERAL	Medical Sciences Division "Five Year Plan"	n.d.
GENERAL	Effects of the Space Environment on the Health and Safety of Space Workers	n.d.
STS RELATED	Life Sciences in the Shuttle ERA, Preliminary	February 1975
STS RELATED	Requirements for an Advanced Inflight Medical System, Preliminary	May 9, 1980
STS RELATED	STS Medical Operations Study, NAS8-32350, Monthly Progress Reports	1982
SubHeading:	Box Number: 7	
SPACE STATION RELATED	Program Plan, Definition of Life Science Research Facilities for Space Station Applications	June 1982
SPACE STATION RELATED	Life Sciences Considerations for Space Station	September 14, 1982
SPACE STATION RELATED	Space Station Technology Steering Committee, Human Capabilities Working Group Presentation materials	September 22, 1982
SPACE STATION RELATED	IAF-82-174, Furukawa, S, "Medical Support and Technology for Long Duration Space Missions"	October 2, 1982
SPACE STATION RELATED	Life Sciences Mission Requirements Document	October 25, 1982
SPACE STATION RELATED	TM-58248, Medical Operations and Life Sciences Activities on Space Station	October 1982
SPACE STATION RELATED	Gomersall, Edward W., "Life Sciences Research and the Science and Applications Space Platform"	October 1982
SPACE STATION RELATED	Space Station Program Description Document, Life Sciences section	1982
SPACE STATION RELATED	Space Station Medical Requirements, miscellaneous materials	1982, n.d.
SPACE OPERATIONS CENTER RELATED	Hamilton Standard, Space Operations Center Environmental Control and Life Support Final Briefing	June 25, 1981
SPACE OPERATIONS CENTER RELATED	Space Operations Center Habitability Issues Study Report by the Environmental Center, University of Houston	1982
SPACE OPERATIONS CENTER RELATED	SOC Life Sciences Experiments, Presentation Material	n.d.
SPACE OPERATIONS CENTER RELATED	SOC / Life Sciences Mission Requirements	n.d.
SPACE STATION RELATED	NASA HQS, Operational Medicine Support to Long Duration Manned Missions in Low Earth Orbit and Beyond	February 1982
SPACE STATION RELATED	Furukawa, S, "Preliminary Assessment	March 5, 1982

of Needs: NASA Operational Medicine
in Space Station"

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SPACE STATION RELATED	MDAC, Space Station Life Sciences Research Facility Technology Assessment and Technology Development Plan	March 3, 1983
SPACE STATION RELATED	An Approach to Medical Operations / Life Sciences Activities on a Space Station, Panel Briefing	May 25, 1983
SPACE STATION RELATED	JSC-32104, Space Station Infectious Disease Risks. A Conference Report	October 1986
SPACE STATION RELATED	Hull, W. E., Life Sciences Guidelines Data for Long Duration Missions	n.d.
SPACE STATION RELATED	Science Objectives and Space Station Concepts	n.d.