

**FINDING AID FOR THE HELEN LANE PAPERS
1972-2014 (#2018-0004)**

Contact Information

University of Houston-Clear Lake Archives
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Descriptive Summary

Repository (049): University Archives

Collection # (099): 2018-0004

Title (245): Helen Lane Papers

Creator (100/110): Lane, Helen

Inclusive Dates: 1972-2014

Bulk Dates: 1988-2009

Extent (300): 1.5 linear feet (3 boxes)

Language (546): English

Administrative Information

Restrictions on Access (506): None

Restrictions on Use (540): None

Acquisition Information (541): Donated by Helen Lane, November 2016

Processed by (XXX): Wayne Thomas

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Biographical/Historical Note (545)

Dr. Helen W. Lane is National Aeronautics and Space Administration (NASA), Johnson Space Center (JSC) Chief Nutritionist and Manager of the NASA JSC University Research and Affairs Office. Her research career started with the relationship of selenium, zinc, and copper nutritional status during the life cycle and with diseases including breast and head neck cancers. She also studied energy-exercise relationships in rodent mammary tumor genesis. At NASA, she focused on energy metabolism as well as food quality, body composition and general nutritional needs.

Dr. Lane has served on many research grant review committees for NASA, the National Institutes of Health, the United States Department of Agriculture and private foundations, as a member of several Institute of Medicine committees, and journal editorial boards. She is active in the American Dietetics Association in various leadership positions at the local, state and national level, including the role of a delegate for research, chair of the association position committee and as an analyst for evidence based analysis for nutritional support. She served as director of the Texas Dietetic Foundation that provides scholarships for Texas dietetic students and endowed a scholarship for funding research.

Dr. Lane is an Adjunct Professor, Department of Preventative Medicine and Community Health, University of Texas Medical Branch. Previously she was Assistant-Associate Professor at the University of Texas Health Science Center, Houston, Texas and Professor and Chair at Auburn University, Auburn, Alabama. She has received many honors from her employers, universities and NASA, as well as from her professional associations.

Dr. Lane has held various management positions at NASA including branch chief, division chief-scientist, Program Manager for Advanced Human Support Technology, Assistant to the Director for Intramural Research and Assistant to the Director for Advance Programs.

[Biographical information taken from
<http://slsgraduateprogram.tamu.edu/nsbri/content.aspx?page=246>]

Scope and Content (520)

This collection includes NASA and non-NASA documents and publications as well as work papers for Helen Lane from 1972 to 2014.

Arrangement

Organized in 3 boxes, arranged in three series with each of those sorted chronologically.

Index Terms (6xx):

Subjects

- Spacelab
- Space Station Freedom
- Space Shuttle Programs
- MIR
- Space Life Sciences
- Nutrition

Places

- Houston, Texas

Document Types

- Publications
- Work papers
- Notes

Inventory

Box	Folder	Title	Date
		Series I: General Human Space Flight Related	
1	1	A New Sun, The Solar Results From Skylab	1979
1	2	Walking to Olympus: An EVA Chronology, Portree and Trevino	1997
1	3	National Geographic, Cover article: 2001 The Body in Space, Surviving the Odyssey	2001
1	4	Reference Guide to the International Space Station	2006
1	5	Review of NASA Plans for the International Space Station	2006
1	6	US Human Spaceflight, A Record of Achievement, 1961 – 2006	2007
1	7	NASA 50 years of Exploration and Discovery	2007
1	8	Research in NASA History, A Guide to the NASA History Program	2009
1	9	Hubble Space Telescope Servicing Mission 4 Media Reference Guide	2009
1	10	Excerpt from "Failure is Not an Option" by Gene Kranz	Undated
1	11	Email Comments on Bob Thompson Essay on Space Shuttle Observations	2013
		Series II: Space Life Science and Nutrition	
2	1	Nutrition Today, Vol 7, No 5 Lessons From Space	1972
2	2	Food Service and Nutrition for the Space Station, workshop proceedings 10-11, 1984	1984
2	3	NASA Technical Memorandum 100 469, Space Shuttle Food-System Summary 1981-1986	1988
2	4	Results of Life Sciences DSOs Conducted Aboard the Space Shuttle 1988-1990	1991
2	5	Spacelab Life Sciences 1, Reprints of Background Life Sciences Publications	1991
2	6	"The D-2 Project" The Second German SPACELAB Mission	1992
2	7	Experiments in Space, The Second German SPACELAB Mission D2	1992
2	8	Nutritional Requirements for Space Station Freedom Crews, report of panel discussion at LPI	1992
2	9	NASA contractor report 3922(39), Digest of Russian Space Life Sciences, Issue 33	1993
2	10	DSO Status Report, DSOs on STS-53, 54, 56, 55, 57, 51, 58, 61	1994
2	11	Results of Life Sciences DSOs Conducted Aboard the Shuttle 1991-1993	1994
2	12	DSO Status Report, DSOs and DTOs on STS-60, 62, 59, 65, 64, 68, 66	1995
2	13	Mission Science Requirements Document Spacelab-MIR (STS71)	1995
3	1	Journal of Applied Physiology, July 1996, Vol 81, No. 1	1996
3	2	Spacelab – MIR	1997
3	3	Mir Mission Chronicle, November 1994 – 1996	1998
3	4	The Journal of Physiology Vol 516 – 3, pp 915 -930	1999
3	5	European Journal of Clinical Investigation, Vol.30 No 12	Dec 2000

3	6	Space Nutrition Vol. 1 (JSC educational material)	2001
3	7	Space Radiation Cancer Risk Projections for Exploration Missions, uncertainty reduction and mitigation	2002
3	8	Supplement to Military Medicine, Vol 179, No.11, Nutritional Armor: Omega-3 for the Warfighter	2014
		Series III: Workpapers and Data	
3	9	Data and Workpapers from manila folder labeled "ums"	1999
3	10	Graphic and tabular data from SLS 1 and SLS 2	1994
3	11	Data and documentation related to Space Life Sciences E192 experiment	1996
3	12	Materials related to 2/20/96 Meeting on Mir 21 Food Issues	1996
3	13	Contents of a folder labeled "Carolyn's Study" containing copies of data and graphs	Undated
3	14	Document and Presentation Charts on Energy Utilization during EVAs	Undated