

# **JAMES R. JAAX**

## **BIOGRAPHICAL DATA SHEET**

**NAME:** James R. Jaax

**ORAL HISTORY:** 4 OCTOBER, 17 OCTOBER, AND 16 NOVEMBER 2006

### **EDUCATIONAL BACKGROUND:**

- Bachelor of Science in Mechanical Engineering, Kansas State University, Manhattan, KS, 1965
- Master of Science in Mechanical Engineering, Kansas State University, Manhattan, KS, 1967

### **PRE-NASA EXPERIENCE:**

United States Army (1967-1969)

- First Lieutenant, U.S. Army General Equipment Test Activity, Fort Lee, VA (1967-1969)

### **NASA EXPERIENCE:**

NASA Manned Spacecraft Center/Lyndon B. Johnson Space Center, Houston, TX (1969-2002)

- Aerospace Technologist, Environmental Control Systems Branch, Crew Systems Division, Engineering and Development Directorate (1969-1970)
- Aerospace Technologist, Systems Engineering Branch, Crew Systems Division, Engineering and Development Directorate (1970-1982)
- Special Assistant for Payloads, Crew Systems Division, Engineering and Development Directorate (1982-1983)
- Special Assistant for Payloads, Crew Systems Division, Engineering Directorate (1983-1985)
- Head, Test Integration Section, Systems Engineering Branch, Crew Systems Division, Engineering Directorate (1985-1986)
- Deputy Chief, Special Projects Branch, Crew and Thermal Systems Division, Engineering Directorate (1986-1987)
- Chief, Thermal Systems Branch, Crew and Thermal Systems Division, Engineering Directorate (1987-1988)
- Space Station Manager, Crew and Thermal Systems Division, Engineering Directorate (1988-1990)
- Acting Deputy Chief, Crew and Thermal Systems Division, Engineering Directorate (1990-1991)
- Deputy Chief, Crew and Thermal Systems Division, Engineering Directorate (1991-1994)
- Manager, Engineering Business Management Office (1994-1995)
- Deputy Director, Engineering Directorate (1995-2002)

**POST-NASA EXPERIENCE:**

- Jaax Consultants (2002-present)

**Awards & Citations:**

- JSC Superior Achievement Award, 1974
- NASA Group Achievement Award, 1975
- S. Korolev Medal from the USSR Aeronautical Sporting Federation, 1977
- NASA Group Achievement Award, 1979
- JSC Certificate of Commendation, 1989
- NASA Exceptional Service Medal, 1990
- NASA Outstanding Leadership Medal, 1998
- JSC Safety Action Team Star Award, 1999
- Rotary National Award for Space Achievement, 2000

**SELECT PUBLICATIONS:**

J. R. Jaax, "Design Criteria for the Modular Space Station Environmental Control and Life Support System Selection," in the Proceedings of the American Society of Mechanical Engineers, Environmental Control and Life Support Systems Conference held in San Francisco, CA, 14 – 16 August 1972.

J. R. Jaax and G. P. Mills, "An Efficient Prebreathing Apparatus for Humans during Decompression," MSC-14151 (Houston: NASA Manned Spacecraft Center, 1972).

J. R. Jaax and W. W. Guy, "Description of the Docking Module ECS for the Apollo-Soyuz Test Project," in the Proceedings of the Intersociety Conference on Environmental Systems held in San Diego, CA, 16 – 19 July 1973.

J. R. Jaax, et al., "Orbiter ECLSS Support of Shuttle Payloads," in the Proceedings of the Intersociety Conference on Environmental Systems held in Seattle, WA, 29 July – 1 August 1974.

J. R. Jaax, et al., "Food and Medical Sample Freezer Kit Concept for Shuttle," in the Proceedings of the Intersociety Conference on Environmental Systems held in San Francisco, CA, 11-14 July 1977.

J. R. Jaax, "Thermodynamic Performance Testing of the Orbiter Flash Evaporator System," in the Proceedings of the 11<sup>th</sup> Space Simulation Conference, 1 January 1980, 43-54.

J. R. Jaax, "Orbiter Integrated Active Thermal Control Subsystem Test," in the Proceedings of the 11<sup>th</sup> Space Simulation Conference, 1 January 1980, 55-70.

**REFERENCES:**

“A Team Effort: JSC Safety Action Team Readies for 2000,” Space Center Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 5 November 1999, 7.

“Awards Ceremony Honors JSC Individuals, Teams,” Space News Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 17 July 1998, 1, 8.

“Bulletin Board,” Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 7 September 1979, 3.

Christopher C. Kraft, Jr., “AIAA Award Nomination 1976, 30 September 1976, James R. Jaax Key Personnel File, Awards Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

James Ronald (Jim) Jaax Resume.

J. R. Jaax and G. P. Mills, “An Efficient Prebreathing Apparatus for Humans during Decompression,” MSC-14151 (Houston: NASA Manned Spacecraft Center, 1972).

J. R. Jaax and W. W. Guy, “Description of the Docking Module ECS for the Apollo-Soyuz Test Project,” in the Proceedings of the Intersociety Conference on Environmental Systems held in San Diego, CA, 16 – 19 July 1973.

J. R. Jaax, et al., “Food and Medical Sample Freezer Kit Concept for Shuttle,” in the Proceedings of the Intersociety Conference on Environmental Systems held in San Francisco, CA, 11-14 July 1977.

J. R. Jaax, et al., “Orbiter ECLSS Support of Shuttle Payloads,” in the Proceedings of the Intersociety Conference on Environmental Systems held in Seattle, WA, 29 July – 1 August 1974.

J. R. Jaax, “Design Criteria for the Modular Space Station Environmental Control and Life Support System Selection,” in the Proceedings of the American Society of Mechanical Engineers, Environmental Control and Life Support Systems Conference held in San Francisco, CA, 14 – 16 August 1972.

J. R. Jaax, “Orbiter Integrated Active Thermal Control Subsystem Test,” in the Proceedings of the 11<sup>th</sup> Space Simulation Conference, 1 January 1980, 55-70.

J. R. Jaax, “Thermodynamic Performance Testing of the Orbiter Flash Evaporator System,” in the Proceedings of the 11<sup>th</sup> Space Simulation Conference, 1 January 1980, 43-54.

“JSC People Earn NASA Honors,” Space News Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 15 June 1990, 1, 4.

“NASA and JSC Honors Awardees,” Space News Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 16 June 1989, 1, 4.

NASA Johnson Space Center Telephone Directory (1973-1998), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, TX.

NASA Manned Spacecraft Center Telephone Directory (1969-1973), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, TX.

“Russian Organization Honors 20 from JSC,” Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 27 May 1977, 2.

“Stellar Employees Receive Rotary Awards,” Space Center Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 23 March 2001, 1,2.

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