

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Harold Joseph "Joe" McMann, Jr.

ORAL HISTORY: 25 January 2002
15 February 2002

EDUCATIONAL BACKGROUND:

B.S. in Chemical Engineering, University of Notre Dame, Notre Dame, IN, 1959

PRE-NASA EXPERIENCE:

Liquid Carbonic Corporation, Division of General Dynamics, Chicago, IL (1959-1961)

- Staff Applications Engineer

NASA EXPERIENCE:

NASA Langley Research Center, Hampton, VA (1961-1962)

- Aerospace Technologist (AST) for Materials, Life Systems Division, Space Task Group

NASA Manned Spacecraft Center/Johnson Space Center, Houston, TX (1962-1996)

- AST, Crew Equipment Branch, Life Systems Division (1962 - ?)
- Aerospace Engineer, Systems Evaluation and Project Support Section, Environmental Control Systems Branch, Crew Systems Division (CSD), Engineering and Development Directorate (?-1964)
- AST, Extravehicular Life Support Systems Office, Gemini Support Office, CCSD (1964-1965)
- Manager, Extravehicular Life Support Systems Office, Gemini Support Office, CSD (1965-1967)
- Head, Life Support Equipment Section, Extravehicular Equipment Development Branch, CSD (1967-1970)
- Head, Advanced Extravehicular Activities (EVA) Systems Section, Extravehicular Equipment Branch, CSD (1970-1974)
- Head, Portable Life Support Systems Section, Extravehicular Equipment Branch, CSD (1974-1981)
- Assistant Chief for Life Support Systems, Crew Systems Division, Shuttle EVA Equipment Office, Engineering and Development Directorate (1981-1985)
- Head, EVA Life Support Systems, CSD (1985-1986)
- Deputy Chief, Shuttle Support Branch, CSD (1986-1988)
- Subsystem Manager for Extravehicular Mobility Unit/Manned Maneuvering Unit (EMU/MMU) (1986-1988)
- Manager, Government Furnished Equipment (GFE) Office, Flight Support Equipment Office, Orbiter and GFE Projects Office (1988-1993)
- Manager, EVA Management Office, EVA and Crew Equipment Office (1993-1996)

- EVA Hardware Development Group, EVA Project Office (1996)

POST-NASA EXPERIENCE:

Hamilton Sundstrand Corp, A United Technologies Company (1996-2002)

- Engineer

AWARDS & CITATIONS:

- MSC Outstanding Performance Award, Project Mercury
- MSC Group Achievement Award, Project Mercury
- MSC Group Achievement Award, Gemini Support Team
- MSC Quality Salary Increase, 1967
- JSC Group Achievement Award, Skylab Real-Time Planning Team
- JSC Group Achievement Award, Skylab Emergency Thermal Shield Development Team
- NASA Exceptional Service Medal (2)
- JSC Quality Salary Increase, 1974
- Victor A. Prather Award, 1976
- "Extra Effort" Award, Skylab Crews, 1977
- Special Award, Approach and Landing Test Program, 1978
- NASA Group Achievement Award, Orbiter Vehicle Systems Design and Development Team
- JSC Group Achievement Award, Shuttle Extravehicular Mobility Unit/Portable Oxygen System High Pressure Oxygen Test Team
- JSC Group Achievement Award, Shuttle Extravehicular Mobility Unit Thermal/Vacuum Test Certification Team
- JSC Group Achievement Award, Manned Maneuvering Unit Thermal/Vacuum Test Support Team, JSC NITROX Development and Support Team for STS-61

SELECT PUBLICATIONS & PATENTS:

McMann, H. J., et. al. "Effect of Ventilating Air Flow on Human Water Requirements." Journal of Aerospace Medicine (May 1963).

McMann, H.J., et. al. "Life Support Systems for Extravehicular Activity." In Gemini Summary Conference February 1-2 1967 Manned Spacecraft Center Houston, Texas by NASA, 67-77. Washington, D.C.: NASA, 1967.

McMann, H.J., et. al. "Maneuvering Unit Development Program." In American Astronautical Society-Operations Research Society Joint Meeting, June 17-30, 1969 by the AAS. Washington, D.C.: AAS, 1969.

McMann, H.J., et. al. "Challenges in the Development of the Shuttle Extravehicular Mobility Unit." In Space Shuttle Program Technical Conference, June 28-30, 1983 by the AAS. Washington, D.C.: AAS, 1983.

REFERENCES:

Harold J. McMann, NASA Biographical Sheet (January 1967), Harold J. McMann Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

Harold J. McMann, NASA Biographical Data Sheet (April 1996), Harold J. McMann Biographical File, Public Affairs Office, Lyndon B. Johnson Space Center, Houston, TX.

Johnson Space Center Telephone Directories (1973-1996), History Collection, Organizational Series, Center Collection, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

Manned Spacecraft Center Telephone Directories (1964-1972), History Collection, Organizational Series, Center Collection, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

“Nomination for Flight Safety Foundation Admiral Luis de Florez Flight Safety Award” (March 1975), Harold J. McMann Key Personnel File [Inactive], Awards Office, Lyndon B. Johnson Space Center, Houston, TX.

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