

ROBERT J. WREN

BIOGRAPHICAL DATA SHEET

NAME: Robert J. Wren

ORAL HISTORY: 16 OCTOBER 2007
23 OCTOBER 2007
7 NOVEMBER 2007
27 NOVEMBER 2007

EDUCATIONAL BACKGROUND:

- Bachelor's of Science in Civil Engineering, University of Texas, Austin, TX 1956
- Master's of Science in Civil Engineering, Southern Methodist University, Dallas, TX 1962
- Ph.D. Candidate in Engineering, University of Houston, TX, 1963-1966

PRE-NASA EXPERIENCE:

U.S. Bureau of Reclamation, Austin, TX (1956-1957)

- Hydrology Engineer
- General Dynamics, Fort Worth, TX (1957-1962)
- Structural Test Engineer

NASA EXPERIENCE:

NASA Manned Spacecraft Center/Lyndon B. Johnson Space Center, Houston, TX (1962-2000)

- Senior Structural Dynamics Engineer and Manager of Vibration and Acoustic Test Facility (1962-1968)
- Manager for Apollo S/C 2TV-1 CSM Test Program (1968)
- Manager for Apollo LM-2 Drop Test Program (1968-1969)
- Manager for Structural Design (Saturn-Lifted and Shuttle-Lifted Space Station) (1969-1975)
- Manager for Structural Design and Development (747 modification) (1975-1977)
- Structural Division Manager for Shuttle Payload Systems (1972-1984)
- Manager for Vehicle & Payload System Safety (Shuttle & Space Station Freedom) (1984-1995)
- Engineering Directorate Manager for Vehicle and Payload System Safety (Shuttle & International Space Station) (1995-2000)

POST-NASA EXPERIENCE:

United Space Alliance, Houston, TX (2000-2003)

- Director of Safety and Mission Assurance, International Space Station Program Office (2000-2003)

Awards & Citations:

- Sustained Superior Performance Award, 1966
- MSC's nominee for the Texas Society of Professional Engineers' Junior Engineer of the Year Award, 1966
- Quality Step Increase Award, 1969
- MSC Superior Achievement Award, 1969
- Group Achievement Award, 1987, 1996
- Outstanding Performance Rating, 1992
- Certificate of Commendation, 1995
- Performance Award, 1994, 1995, 1996, 1997, 1998

SELECT PUBLICATIONS:

R. J. Wren, W. D. Dorland, and K. M. Eldred, "Development of Acoustic Test Conditions for Apollo Lunar Module Flight Certification," *NRL: The Shock and Vibration Bulletin* 37 (January 1968): 139 – 152.

R. J. Wren, W. D. Dorland, and K. M. Eldred, "Concept, Design, and Performance of the Spacecraft Acoustic Laboratory," *NRL: The Shock and Vibration Bulletin* 37 (January 1968): 25 - 54.

R. J. Wren, et al., "Concept, Design, and Performance of the MSC Spacecraft Acoustic Laboratory," NASA-TM-X-58017 (Houston: NASA Manned Spacecraft Center, 1968).

R. J. Wren, et al., "Development of Acoustic Test Conditions for Apollo Lunar Module Flight Qualification," NASA-TM-X-58016 (Houston: NASA Manned Spacecraft Center, 1968).

REFERENCES:

"E & D Employees Recognized for Apollo Testing," Roundup (NASA Manned Spacecraft Center, Houston, TX), 6 January 1967, 8.

"Employees Earn Certificate of Commendation," Space News Roundup (NASA Lyndon B. Johnson Space Center, Houston, TX), 4 August 1995.

"Looking Forward while Looking Back," Roundup (NASA Manned Spacecraft Center, Houston, TX), 31 October 1969, 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 (1962-1973), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, TX.

“Retirements,” Space News Roundup (NASA Lyndon B. Johnson Space Center, Houston, Texas), 14 July 2000, 8.

R. J. Wren, et al., “Concept, Design, and Performance of the MSC Spacecraft Acoustic Laboratory,” NASA-TM-X-58017 (Houston: NASA Manned Spacecraft Center, 1968).

R. J. Wren, et al., “Development of Acoustic Test Conditions for Apollo Lunar Module Flight Qualification,” NASA-TM-X-58016 (Houston: NASA Manned Spacecraft Center, 1968).

R. J. Wren, W. D. Dorland, and K. M. Eldred, “Development of Acoustic Test Conditions for Apollo Lunar Module Flight Certification,” NRL: The Shock and Vibration Bulletin 37 (January 1968): 139 – 152.

R. J. Wren, W. D. Dorland, and K. M. Eldred, “Concept, Design, and Performance of the Spacecraft Acoustic Laboratory,” NRL: The Shock and Vibration Bulletin 37 (January 1968): 25 - 54.

Robert J. Wren Service Record Card, Robert J. Wren Personnel File, Human Resources Office, NASA Lyndon B. Johnson Space Center, Houston, TX

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