

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Jeanne Lee Crews

ORAL HISTORY: 6 August 2007

EDUCATIONAL BACKGROUND:

B.S. Degree in Aerospace Engineering, University of Florida, Gainesville, FL, 1964

M.S. Degree in Astronomy, University of Houston-Clear Lake, Houston, TX, 1983

PRE-NASA EXPERIENCE:

RCA Laboratories, Princeton, NJ, at their Tech Lab at Patrick AFB, FL (1962–63)

- Mathematician, Missile Checkout Systems

NASA EXPERIENCE:

Lyndon B. Johnson Space Center, Houston, TX (1964–?)

- Aeronautical Engineer (AST, Flight Systems), Spacecraft Operations Branch, Flight Crew Support Division, Flight Crew Operations Directorate (1964–67)
- Aeronautical Engineer, Project Support Office, Flight Crew Support Division (1967–1970)
- Aeronautical Engineer, Operations Support Branch, Flight Crew Integration Division, Flight Crew Operations Directorate (1971–73)
- Engineer, Spacecraft/Aircraft Experiments Systems, Experiments Systems Division, Engineering and Development Directorate (1974–76)
- Engineer, Experiments and Payloads Project Office, Experiments Systems Division (1977–80/81?)
- Engineer, Space Environmental Office, Planetary and Earth Sciences Division, Space and Life Sciences Directorate (1981?–82)
- Engineer, Space Sciences Branch, Solar System Exploration Division, Space and Life Sciences Directorate (1983–84)
- Engineer/Engineering Supervisory Management, Advanced Research Projects Office, Solar System Exploration Division (1985–87)
- Engineer/Supervisory Management, Space Science Branch, Solar System Exploration Division (renamed the Earth Science and Solar System Exploration Division 1994), Space and Life Sciences Directorate (1988–some time after 1998)

AWARDS & CITATIONS:

- Patent Award (with co-inventor Burton G. Cour-Palais), 1990
- Tech Brief Award, co-winner with Cour-Palais and Eric Christiansen (NASA Headquarters Space Act Award), 1992
- Patent Award (with Cour-Palais), 1992
- Women in Aerospace Lifetime Achievement Award, 1992
- Board Award (NASA Headquarters Space Act Award), 1993
- NASA Exceptional Service Medal, 1993
- NASA Exceptional Achievement Medal, 1995
- Board Award for Debris Shield, 1995
- Board Award for Weight Reduction Design, 1995
- Patent Award (with Eric Christiansen), 1995
- Tech Brief Award (NASA Headquarters Space Act Award), 1998
- Silver Snoopy Award, 1999
- Tech Brief Award (NASA Headquarters Space Act Award), 1999
- Honored for “Far-Reaching Inventions,” 2006

SELECT PUBLICATIONS & PATENTS:

Ang, J. A., L. C. Chhabildas, Burton G. Cour-Palais, E. L. Christiansen, and Jeanne L. Crews. “Evaluation of Whipple bumper shields at 7 and 10 km/s.” NASA Technical Report. NASA-TM-107958 (CASI 19920019682). Houston, TX: Lyndon B. Johnson Space Center, 1991.

Cour-Palais, Burton G. and Jeanne L. Crews. “Hypervelocity impacts and upper-stage breakups.” *Orbital Debris from Upper-Stage Breakup*. (January 1989) 25–38.

Cour-Palais, Burton G. and Jeanne L. Crews, “A multi-shock concept for spacecraft shielding.” *International Journal of Impact Engineering*. Vol. 10 (January 1990) 135–46.

Kerr, Justin H., Eric Christiansen, and Jeanne L. Crews, “Hydrocode modeling of meteoroid/debris shields.” AIAA Space Programs and Technologies Conference, Huntsville, AL, September 26–28, 1995.

U.S. Patent 5,067,388, 26 November 1991.

U.S. Patent 5,610,363, 11 March 1997.

U.S. Patent 6,899,009, 31 May 2005.

REFERENCES:

Crews, Jeanne L. Personnel File. Human Resources Office. Lyndon B. Johnson Space Center, Houston, TX.

NASA Johnson Space Center Telephone Directories. History Collection, Johnson Space Center History Office, Houston, TX.

United States Patent Office Homepage [Online]. Available at:
<http://www.uspto.gov/patft/index.html> [19 July 2007 - Accessed].

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