

EMERY E. SMITH, JR.

BIOGRAPHICAL DATA SHEET

NAME: Emery E. Smith, Jr.

ORAL HISTORY: 28 FEBRUARY 2006

EDUCATIONAL BACKGROUND:

- Bachelors of Science in Electrical Engineering, Christian Brothers College, Memphis, Tennessee (1964)
- Masters of Science in Electrical Engineering, University of Houston, Houston, Texas (1968)

PRE-NASA EXPERIENCE:

- U.S. Corps of Engineers

NASA EXPERIENCE:

NASA Manned Spacecraft Center/Lyndon B. Johnson Space Center, Houston, TX (1964-1996)

- Aerospace Engineer, Support Planning Section, Flight Control Operations Branch, Flight Control Division (1964)
- Aerospace Engineer, Control Dynamics Section, Systems Analysis Branch, Guidance and Control Division (1964-1965)
- Aerospace Engineer, Control Dynamics Section, Engineering Simulation Branch, Guidance and Control Division (1965-1966)
- Aerospace Engineer, Engineering and Development Systems, Dynamical Systems Section, Systems Analysis Branch, Guidance and Control Division (1966-1970)
- Aerospace Engineer, Dynamical Systems Section, Systems Analysis Branch, Guidance and Control Division (1966-1970)
- Aerospace Engineer, Electronic Systems, Dynamical Systems Section, Systems Analysis Branch, Guidance and Control Division (1969)
- Aerospace Engineer, Systems Requirements Section, Systems Analysis Branch, Guidance and Control Division (1970-1973)
- Aerospace Engineer, Entry Guidance and Control Design Section, Guidance and Control Systems Branch, Avionics Systems Engineering Division (1973-1976)
- Aerospace Engineer, Entry Section, Systems Analysis Branch, Avionics Systems Engineering Division (1976-1978)
- Aerospace Engineer, Entry Section, Systems Analysis Branch, Avionics Systems Division (1978-1980)
- Aerospace Engineer, Entry Section, Guidance, Navigation, and Control Analysis Branch, Avionics Systems Division (1980)
- Aerospace Engineer, Entry and Landing Analysis Section, Flight Analysis Branch, Mission Planning and Analysis Division (1980-1982)

- Aerospace Engineer, Descent Flight Analysis Branch, Mission Planning and Analysis Division (1982-1983)
- Deputy Chief, Descent Flight Analysis Branch, Mission Planning and Analysis Division (1983-1985)
- Chief, Flight Design Branch, Flight Design and Dynamics Division (1985-1987)
- Assistant Chief, Flight Design and Dynamics Division (1987-1990)
- Chief, Flight Analysis Branch, Flight Design and Dynamics Division (1990-1995)

Awards & Citations:

- Certificate of Commendation, 1989

SELECT PUBLICATIONS:

E. E. Smith, Jr., "Project Apollo – Analog Simulation of a Low Frequency SPS Gimbal Servo in the Apollo Block 2 G and N Delta V Mode," NASA-TM-X-65181 (Houston: NASA Manned Spacecraft Center, 1965): 1-20.

E. E. Smith, Jr., "A Linear, Single-Plane Study of the Effect of SPS Actuator Compliance on the Response Characteristics of the Apollo Block 1 SCS – Project Apollo," NASA-TM-X-65192 (Houston: NASA Manned Spacecraft Center, 1965): 1-32.

E. E. Smith, Jr., "The Effect of Variations in SPS Actuator Stiffness on Apollo Thrust Vector Control System Stability," NASA-TM-X-65242 (Houston: NASA Manned Spacecraft Center, 1965): 1-48.

E. E. Smith, Jr., and D. W. Gilbert, "Project Apollo – AS-201 Analysis of Command and Service Module Stability during the Second Burn Start Transient," NASA-TM-X-65059 (Houston: Manned Spacecraft Center, 1966): 1-10.

E. E. Smith, Jr., "Performance of Apollo Block 2 Thrust Vector Control Using the PGNS/Primary Guidance Navigation and Control System – Project Apollo," NASA-TM-X-64369 (Houston: NASA Manned Spacecraft Center, 1969): 1-29.

E. E. Smith, Jr., et al., "Space Shuttle Flight Control System," In Proceedings of the International Federation of Automatic Control, Triennial World Congress Held in Boston and Cambridge, Massachusetts 24-30 August 1975, by Instruments Society of America, 6.21-6.29. Pittsburgh: Instrument Society of America

E. E. Smith, Jr., "Shuttle Environmental and Thermal Control/Life Support Computer Program – Final Report," NASA-CR-151661 (Houston: NASA Lyndon B. Johnson Space Center, 1978): 1-83.

REFERENCES:

Emery E. Smith, Jr. Service Record Card, Emery E. Smith, Jr. Personnel File, Human Resources Office, NASA Lyndon B. Johnson Space Center, Houston, Texas.

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

NASA Johnson Space Center Telephone Directory (1973-1980), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, Texas.

NASA Manned Spacecraft Center Telephone Directory (1966-1973), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, Texas.

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