

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Floyd V. Bennett

ORAL HISTORY: 22 October 2003

EDUCATIONAL BACKGROUND:

B.S. in Aeronautical Engineering, Virginia Polytechnic Institute, Blacksburg, VA, 1954
Additional coursework, University of Virginia Ext. Division, Virginia Polytechnic Institute, Blacksburg, VA, 1954-1955; College of William and Mary, Williamsburg, VA, 1959-1961

PRE-NASA EXPERIENCE:

National Advisory Committee for Aeronautics, Langley Aeronautical Laboratory, Langley Field, VA (1954-1958)

- Aerospace Technologist, Fluid and Flight Mechanics Branch (1954-1958)

NASA Langley Research Center, Hampton, VA (1958-1961)

- Aerospace Technologist, Fluid and Flight Mechanics Branch (1958-1961)
- Transferred to Space Task Group (1961)

NASA EXPERIENCE:

NASA Manned Spacecraft Center/Johnson Space Center, Houston, TX (1961-1982)

- Aerospace Technologist, Flight Systems Division, Fluid and Flight Mechanics Branch (1961)
- Spacecraft Research Division, Flight Dynamics Branch, Fluid and Flight Mechanics Section (1962)
- Spacecraft Research Division, Flight Dynamics Branch, Astromechanics Section (1962)
- Engineering and Development Directorate, Guidance Analysis Branch, Guidance Operations Section (1963)
- Engineering and Development Directorate, Guidance and Control Division, Theoretical Mechanics Branch, Launch and Rendezvous Guidance Analysis Section (1964-1966)
- Assistant Chief, Mission Planning and Analysis Division, Rendezvous Analysis Branch (1967)
- Chief, Mission Planning and Analysis Division, Lunar Landing Branch (1968)
- Chief, Mission Planning and Analysis Division, Landing Analysis Branch (1968-1972)
- Apollo Program Manager, Mission Planning and Analysis Division (1972)
- Chief, Mission Planning and Analysis Division, Mission Integration Branch (1972-1973)

- Manager for Computer Systems Integration, Space Shuttle Program Office, Systems Integration Office (1974-1982)

POST-NASA EXPERIENCE:

Perkin-Elmer Corporation, CT (1982-1987)

- Mission Manager for the Solar Optical Telescope Project (1982-1987)

Rockwell Corporation, Houston, TX (1987-1999)

- Project Integration Office (1987-1999)

United Space Alliance, Houston, TX (1999-present)

AWARDS & CITATIONS:

- Manned Spacecraft Center Certificate of Commendation, 1969
- NASA Exceptional Service Medal, 1970
- Apollo 15 Lunar Landmark named “Bennett Hill”
- Several Team Awards/Citations for Apollo and Shuttle Programs

SELECT PUBLICATIONS & PATENTS:

Floyd Bennett and Kermit G. Pratt, “Charts for Estimating the Effects of Short-Period Stability Characteristics on Airplane Vertical-Acceleration and Pitch-Angle Response in Continuous Atmospheric Turbulence,” National Advisory Committee for Aeronautics, Technical Note 3992 (Langley Field: Langley Aeronautical Laboratory, 1957).

Floyd Bennett and Robert Yntema, “Evaluation of Several Approximate Methods for Calculating the Symmetrical Bending-Moment Response of Flexible Airplanes to Isotropic Atmospheric Turbulence,” NASA-MEMO-2-18-59L (Hampton: NASA Langley Research Center, 1959).

Floyd Bennett and Kermit G. Pratt, “Calculated Responses of a Large Sweptwing Airplane to Continuous Turbulence with Flight Test Comparisons,” NASA TR-R-69 (Hampton: NASA Langley Research Center, 1960).

“Further Developments on the Required Number of Randomly Spaced Communication and Navigation Satellites,” NASA TN-D1020 (Hampton: NASA Langley Research Center, 1962).

“Study of Earth Orbit Simulation of Lunar Orbit Rendezvous,” NASA-TM-X-65130 (Houston: NASA Manned Spacecraft Center, 1963).

“Study of Powered Descent Trajectories for Manned Lunar Landings, Project Apollo,” NASA-TM-X-65170 (Houston: NASA Manned Spacecraft Center, 1963).

“Velocity Requirements and Payload Capability for Unmanned LEM,” NASA-TM-X-65215 (Houston: NASA Manned Spacecraft Center, 1963).

“Effect of Terrain Variations on Primary LEM Guidance Equations During Phase 2 of Powered Descent,” NASA-TM-X-64338 (Houston: NASA Manned Spacecraft Center, 1964).

“Double Hohmann Transfer Concept of LEM Intercept and Rendezvous with CSM,” NASA-TM-X-65281 (Houston: NASA Manned Spacecraft Center, 1965).

“Proposed LEM Powered-Descent Trajectory for the Apollo Lunar Landing Mission,” NASA-TM-X-70023 (Houston: NASA Manned Spacecraft Center, 1967).

“Revised LEM Descent and Ascent Delta V Budgets for the Lunar Landing Mission,” NASA-TM-X-74664 (Houston: NASA Manned Spacecraft Center, 1967).

“Apollo Experience Report- Mission Planning for Lunar Module Descent and Ascent,” NASA-TN-D-6846 (Houston: NASA Manned Spacecraft Center, 1972).

REFERENCES:

“Agnew and Low Present Top NASA Awards,” Space News Roundup (NASA Manned Spacecraft Center), 20 November 1970, 2.

Christopher C. Kraft, Jr., Assistant Director for Flight Operations, “Organization Changes and Personnel Assignments in the Mission Planning and Analysis Division,” 21 December 1967, Mission Planning and Analysis Division Documents, Johnson Space Center Oral History Project, NASA Lyndon B. Johnson Space Center, Houston, TX.

Christopher C. Kraft, Jr., “Flight Control Manning Assignments,” Apollo 12-16, Mission Planning and Analysis Division Documents, Johnson Space Center Oral History Project, NASA Lyndon B. Johnson Space Center, Houston, TX.

Edgar C. Lineberry, Head, Rendezvous Analysis Branch, “Functional Statement of Rendezvous Analysis Branch,” 27 July 1964, Mission Planning and Analysis Division Documents, Johnson Space Center Oral History Project, NASA Lyndon B. Johnson Space Center, Houston, TX.

“*Endeavor’s* Engine Swap Moving Fast,” Space News Roundup (NASA Lyndon B. Johnson Space Center), 17 April 1992, 1.

Floyd Bennett, Service Record Card, Floyd Bennett Personnel File, Human Resources Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

“Houston Transfers,” Space News Roundup (NASA Manned Spacecraft Center), 21 February 1962, 7.

Johnson Space Center Telephone Directory (1972-1991), Organization Files, Center Series, History Collection, Scientific and Technical Information Center, NASA Lyndon B. Johnson Space Center, Houston, TX.

“Looking Forward While Looking Back,” Space News Roundup (NASA Manned Spacecraft Center), 31 October 1969, 1.

Manned Spacecraft Center News Release, “Released by NASA Headquarters,” 12 November 1970, Public Affairs Office, NASA Manned Spacecraft Center, Houston, TX.

Manned Spacecraft Center Telephone Directory (1961-1972), Organization Files, Center Series, History Collection, Scientific and Technical Information Center, NASA Lyndon B. Johnson Space Center, Houston, TX.

Sigurd A. Sjoberg, Director of Flight Operations to Deputy Director, “Organization Responsibilities within the Mission Planning and Analysis Division,” 28 January 1974, Mission Planning and Analysis Division Documents, Johnson Space Center Oral History Project, NASA Lyndon B. Johnson Space Center, Houston, TX.

“Welcome Aboard,” Space News Roundup (NASA Manned Spacecraft Center), 15 November 1961, 8.

BIOGRAPHICAL DATA SHEET CREATED: 24 JULY 2002