

# **BRUCE G. JACKSON**

## **BIOGRAPHICAL DATA SHEET**

**NAME:** Bruce G. Jackson

**ORAL HISTORY:** March 23, 2009

### **EDUCATIONAL BACKGROUND:**

- Bachelor's of Science in Mechanical Engineering, University of Miami, Miami, FL, 1955

### **PRE-NASA EXPERIENCE:**

NACA Langley Memorial Aeronautical Laboratory, Hampton, VA (1955-1958)

- Aeronautical Research Intern, Aerodynamics Section, Pilotless Aircraft Research Division (1955-1956)
- Aeronautical Research Scientist, Aerodynamics Section, Pilotless Aircraft Research Division (1956-1958)

### **NASA EXPERIENCE:**

NASA Langley Research Center, Hampton, VA (1958-1962)

- Flight Mechanics, Aerodynamics Section, Flight Dynamics Branch, Flight Systems Division (1958-1962)
- NASA Space Task Group (1959-1962)

NASA Manned Spacecraft Center/Lyndon B. Johnson Space Center (1962-1985)

- Head, Aerodynamics Section, Flight Dynamics Branch, Spacecraft Research Division (1962-1963)
- Chief, Aerodynamics Branch, Spacecraft Technology Division (1963)
- Chief, Aerodynamics Branch, Advanced Spacecraft Technology Division (1964-1965)
- Manager, Engineering Office, Experiments Program Office, Engineering and Development Directorate (1965-1967)
- Manager, Applications Project Office, Science and Applications Directorate (1967-1969)
- Manager, Advanced Systems Office, Science and Applications Directorate (1969-1970)
- Chief, Engineering Analysis Division, Engineering and Development Directorate (1970-1981)
- Acting Chief, Aerodynamics Branch, Engineering Analysis Division, Engineering and Development Directorate (1973)
- Chief, Systems Engineering Division, Engineering Directorate (1981-1985)
- Acting Head, Flight Analysis Branch, Engineering Directorate (1984-1985)

**POST-NASA EXPERIENCE:**

- Bruce Jackson and Associates Inc.

**SELECT PUBLICATIONS:**

Bruce G. Jackson and Norman L. Crabill, "Free Flight Investigation of Jet Effects at Low Supersonic Mach Numbers on a Fighter-Type Configuration Employing a Tail-Boom Assembly: A Longitudinal Stability and Trim," NACA-RM-L57F19 (Washington: NACA Headquarters, 1957): 1-25.

Bruce G. Jackson, "Free Flight Transonic Model Investigation of Jet Effects on a Fighter-Type Configuration Employing a Tail Boom and Three Horizontal-Tail Positions," NACA-RM-L57J31 (Washington D.C.: NACA Headquarters, 1958): 1-84.

B. G. Jackson and D. M. Hammock, "Vehicle Design for Mars Landing and Returning to Mars Orbit," in *Exploration of Mars: Proceedings of the American Astronautical Society Symposium on the Exploration of Mars in Denver, Colorado, 6-7 June 1963*, ed. George W. Morgenthaler (Hollywood, California: Western Periodicals Companies, 1963), 174-192.

B. G. Jackson, "Aerodynamic Drag and Stability," eds. Paul E. Purser, Maxime A. Faget, and Norman F. Smith, Manned Spacecraft - Engineering Design and Operation (New York: Fairchild Publications, Inc., 1964), 33-44.

Bruce G. Jackson and Norman L. Crabill, "Some Transonic Aerodynamic Characteristics of a Model Similar to the McDonnell F3H-2N Airplane," NACA RM-SL56E15 (Washington D.C.: NACA Headquarters, 1965): 1-36.

**REFERENCES:**

Bruce G. Jackson NASA Biographical Data Sheet (November 1983), Bruce G. Jackson Key Personnel File, Awards Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

Bruce G. Jackson Service Record Card, Bruce G. Jackson Personnel File, Human Resources Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

"Houston Transfers," Space News Roundup (NASA Manned Spacecraft Center, Houston, Texas) 7 March 1962, 3.

James M. Grimwood, Project Mercury: A Chronology (Washington D.C.: NASA Special Publications, 1963), NASA History Office Homepage, Online, <http://history.nasa.gov/SP-4001/app8.htm> (Last Updated: 8 November 2000; Accessed: 1 September 2005).

NASA Lyndon B. Johnson Space Center Telephone Directories (1973-1998), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, TX.

NASA Manned Spacecraft Center Telephone Directories (1968-1973), Organization Files, Center Series, JSC History Collection, University of Houston-Clear Lake, University Archives, Houston, TX.

“Nomination for JSC Special Achievement Award,” Bruce G. Jackson Key Personnel File, Awards Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

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