

# NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

## BIOGRAPHICAL DATA SHEET

**NAME:** Thomas Kenneth (“Ken” or “T.K.”) Mattingly II

**ORAL HISTORY:** 6 November 2001  
22 April 2002

### **EDUCATIONAL BACKGROUND:**

BS in Aeronautical Engineering, Auburn University, Auburn, AL, 1958  
USAF Aerospace Research Pilot School, Edwards Air Force Base, CA, 1965-1966

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

United States Navy (1958-1990)

- A1H Pilot, U.S.S. *Saratoga* (1960-1963)
- A3B Pilot, U.S.S. *Franklin D. Roosevelt* (1963-1965)
- Detailed to NASA (1966-1984)

### **NASA EXPERIENCE:**

Manned Spacecraft Center/Lyndon B. Johnson Space Center, Houston, TX (1966-1984)

- Astronaut, Astronaut Office, Flight Crew Operations Directorate (1966-1985)
- Head, Astronaut Office (1973-1978)
- Technical Assistant for Flight Test to Manager of the Orbital Flight Test Program (1978-1979)
- Head, Astronaut Office Ascent/Entry Group (1979-1981)
- Head, Astronaut Office DoD Support Group (1983-1984)

### **POST-NASA EXPERIENCE:**

United States Navy (1958-1990)

- Commander, U.S. Navy Electronics Systems Command (1985- date unknown)
- Director, Space Systems for the Space and Warfare Systems Command (date unknown -1990)
- Retired as Rear Admiral (1990)

Grumman Aerospace Corporation, Space Station Integration Division, Reston, VA (1990-date unknown)

- Director, Utilization and Operations

General Dynamics Corp., San Diego, California (dates unknown)

- Head, Atlas Booster Program

Lockheed-Martin Corp. (dates unknown)

- Vice President

### **MISSIONS:**

Apollo 16 (AS-511) (Command Module *Casper*, Lunar Module *Orion*)

- Crew: Commander John W. Young, Command Module Pilot Thomas K. Mattingly II, Lunar Module Pilot Charles M. Duke, Jr.
- Launched: 16 April 1972 at 12:54 P.M. EST from Kennedy Space Center, FL
- Duration: 11 days, 1 hour, 51 minutes, 5 seconds
- Time on Lunar surface: 2 days, 23 hours, 2 minutes, 13 seconds
- Landed: 27 April 2:45:05 p.m. EST, Pacific Ocean
- Recovery Ship: U.S.S. *Ticonderoga*
- Mission Highlights: Fifth manned lunar landing, second use of lunar roving vehicle. Exploration of Descartes Highlands.

#### STS-4 (*Columbia*)

- Crew: Commander Thomas K. Mattingly II, Pilot Henry W. Hartsfield, Jr.
- Launched: 27 June 1982 at 11:00 A.M. EDT from Kennedy Space Center, FL
- Duration: 7 days, 1 hour, 9 minutes, 40 seconds
- Landed: 4 July 1982 9:09:31 A.M. PDT, Edwards AFB, CA
- Mission Highlights: Final Space Transportation System research and development flight. The first shuttle landing on a concrete runway. Achieved all mission objectives.

#### STS 51-C (*Discovery*)

- Crew: Commander Thomas K. Mattingly II, Pilot Loren J. Shriver, Mission Specialist 1 Ellison S. Onizuka, Mission Specialist 2 James F. Buchli, Payload Specialist 1 Gary E. Payton
- Launched: 24 January 1985 at 5:50:00 P.M. EST from Kennedy Space Center, FL
- Duration: 3 days, 1 hour, 33 minutes, 23 seconds
- Landed: 27 January 1985 4:23:23 P.M. EST, Kennedy Space Center, FL
- Mission Highlights: First mission dedicated to Department of Defense. U.S. Air Force Inertial Upper Stage (IUS) booster deployed and met mission objectives.

#### **AWARDS & CITATIONS:**

- NASA Distinguished Service Medal (2)
- JSC Certificate of Commendation, 1970
- JSC Group Achievement Award, 1972
- Navy Distinguished Service Medal
- Navy Astronaut Wings
- SETP Ivan C. Kincheloe Award, 1972
- Delta Tau Delta Achievement Award, 1972
- Auburn Alumni Engineers Council Outstanding Achievement Award, 1972
- AAS Flight Achievement Award, 1972
- AIAA Haley Astronautics Award, 1973
- Federation Aeronautique Internationale's V. M. Komarov Diploma, 1973
- Department of Defense Distinguished Service Medal, 1982

#### **REFERENCES:**

Michael Cassutt, Who's Who in Space: The International Edition, (New York: Macmillian Publishing Company, 1993), 90-91.

Andrew Chaikin, A Man on the Moon: The Voyages of the Apollo Astronauts (New York: Penguin Books, 1994), 590.

NASA Biographical Data Sheet (September 1984), Thomas K. Mattingly II. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

NASA Biographical Data Sheet (March 1982), Thomas K. Mattingly II. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

NASA Biographical Data Sheet (April 1981), Thomas K. Mattingly II. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

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