

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Fred Wallace Haise, Jr.

ORAL HISTORY: 23 March 1999

EDUCATIONAL BACKGROUND:

A.A., Perkinson Junior College, Perkinson, Mississippi (1952)
B.S. in Aeronautical Engineering, University of Oklahoma, Norman, Oklahoma (1959)
Air Force Aerospace Research Pilot School, Edwards Air Force Base, California (1964)

MILITARY EXPERIENCE:

Naval Aviation Cadet, Naval Air Station, Pensacola, Florida (1952-1954)
U.S. Navy Advanced Training Command, NAAS Kingsville, Texas (dates unknown)
U.S. Marine Corps AS, Cherry Point, North Carolina (1954-1956)
Oklahoma Air National Guard (1957-1959)
U.S. Air Force (1961-1962)

NASA CAREER:

Research Pilot, NASA Lewis Research Center, Cleveland, Ohio (1959-1963)
Research Pilot, NASA Flight Research Center, Edwards, California (1963-1966)
Manned Spacecraft Center/Lyndon B. Johnson Space Center, Houston, Texas
Astronaut (1966-1979)
Technical Assistant to the Manager of the Space Shuttle Orbiter Project (1973-1976)

POST-NASA CAREER:

President of Technical Services Division, Grumman Aerospace Corporation, Bethpage, New York (1979- date unknown)
President of Grumman Space Station, Reston, Virginia (dates unknown)
President, Grumman Technical Services, Inc., Titusville, Florida (dates unknown)

MISSIONS:

Apollo 13 (AS-508)

- Crew: Commander James A. Lovell, Jr., Command Module Pilot John L. "Jack" Swigert, Lunar Module Pilot Fred W. Haise, Jr.
- Launched: 11 April 1970 at 2:13 P.M. EST from Kennedy Space Center, FL
- Duration: 5 days, 22 hours, 54 minutes
- Landed: 17 April 1970 at 1:07 P.M. EST in the Pacific Ocean
- Mission Highlights: No primary objectives were achieved. On April 13 Apollo 13 experienced a critical failure when an oxygen tank exploded. This incident prompted a mission abort. The three astronauts returned safely to Earth on April 17.

Shuttle Approach and Landing Test (ALT) (*Enterprise*)

- Crew: Commander Fred W. Haise, Jr., Pilot C. Gordon Fullerton
- *FIRST CAPTIVE-ACTIVE FLIGHT*
Launched: 18 June 1977 at 08:00 A.M. PST from Edwards AFB
Duration: 55 minutes, 46 seconds
- *THIRD CAPTIVE-ACTIVE FLIGHT*
Launched: 26 July 1977 from Edwards AFB
Duration: 59 minutes, 53 seconds
- *FIRST FREE-FLIGHT*
Launched: 12 August 1977 at 08:48 A.M. PST from Edwards AFB
Duration: 5 minutes, 21 seconds
- *THIRD FREE-FLIGHT*
Launched: 23 September 1977 from Edwards AFB
Duration: 5 minutes, 34 seconds
- *FIFTH FREE-FLIGHT*
Launched: 26 October 1977 from Edwards AFB
Duration: 2 minutes, 01 seconds
- Mission Highlights: To test and evaluate orbiter aerodynamics, flight control, and landing.

PROFESSIONAL & HONORARY SOCIETIES:

- Fellow, American Astronautical Society
- Member, Society of Experimental Test Pilots (SETP)
- Member, Tau Beta Pi (Honorary Engineering Fraternity)
- Member, Sigma Gamma Tau (Aerospace Engineering Honor Society)
- Member, Phi Theta Kappa (International Honor Society of the Two-Year College)
- Honorary Member, National WWII Glider Pilots Association

AWARDS & CITATIONS:

- Presidential Medal for Freedom, 1970
- NASA Distinguished Service Medal, 1971
- AIAA) Haley Astronautics Award, 1971
- American Astronautical Society Flight Achievement Award, 1970 & 1977
- City of New York Gold Medal, 1970
- City of Houston Medal for Valor, 1970
- Honorary Doctorate of Science, Western Michigan University, 1970
- Jeff Davis Award, 1970
- Mississippi Distinguished Civilian Service Medal, 1970
- American Defense Ribbon
- SETP's Ray E. Tenhoff Award, 1966
- Johnson Space Center Special Achievement Award, 1978
- Soaring Society of America's Certificate of Achievement Award, 1978
- General Thomas D. White Space Trophy, 1977
- SETP's Iven C. Kincheloe Award, 1978

- Air Force Association's David C. Schilling Award, 1978

SELECT PUBLICATIONS:

Haise, Fred W., Jr. "An Evaluation of the Flying Qualities of 7 General-Aviation Aircraft." NASA TND 3380.

Haise, Fred W., Jr. "Use of Aircraft for Zero Gravity Environment, May 1966."

Haise, Fred W., Jr. "An Evaluation of General-Aviation Aircraft Flying Qualities, March 30-April 1, 1966." SAE Business Aircraft Conference Paper.

Haise, Fred W., Jr. "A Quantitative/Qualitative Handling Qualities Evaluation of 7 General-Aviation Aircraft, 1966." Tenth Symposium of the Society of Experimental Test Pilots.

BIOGRAPHICAL REFERENCES:

Michael Cassutt, Who's Who in Space: The International Edition, (New York: Macmillian Publishing Company, 1993), 66-67.

Andrew Chaikin, A Man on the Moon: The Voyages of the Apollo Astronauts (New York: Penguin Books, 1994), 589.

NASA Biographical Data Sheet (April 1979), Fred W. Haise, Jr. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

NASA Biographical Data Sheet (May 1974), Fred W. Haise, Jr. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

BIOGRAPHICAL DATA SHEET CREATED: 11 MARCH 1999