

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Brewster H. Shaw, Jr.

ORAL HISTORY: 19 April 2002

EDUCATIONAL BACKGROUND:

B.S. in Engineering Mechanics, University of Wisconsin Madison, Madison, Wisconsin, 1968

M.S. in Engineering Mechanics, University of Wisconsin Madison, Madison, Wisconsin, 1969

PRE-NASA EXPERIENCE:

United States Air Force

- F-100 combat fighter pilot, Phan Rang Air Base, Republic of Vietnam (1971)
- F-4 combat fighter pilot, Ubon Royal Thai Air Force Base, Thailand (1972-1973)
- F-4 instructor, George Air Force Base, Victorville, California (1973-1975)
- Operational test pilot, Edwards Air Force Base, California (1975-1978)
- Instructor, United States Air Force Test Pilot School, Edwards Air Force Base, California (1977-1978)
- Retired as Colonel

NASA INVOLVEMENT:

NASA Johnson Space Center, Houston, Texas

- Astronaut, Astronaut Office (1978-1989)

NASA Headquarters Senior Executive posted at NASA Kennedy Space Center, Florida

- Deputy Director, Space Shuttle Operations (1989-1992)
- Deputy Program Manager, Space Shuttle (1992-1993)
- Director, Shuttle Operations (1993-1995)

POST-NASA EXPERIENCE:

- Rockwell International Corporation (1995-1996)
- Director, Major Programs, Boeing Space & Defense Group (1996-?)
- Vice President & Program Manager, International Space Station Electrical Power System, Rocketdyne Propulsion & Power (?)
- Vice President and Program Manager, International Space Station, Flight Elements and Subsystems, The Boeing Company (?)
- Vice President and General Manager/International Space Station, The Boeing Company (Present)

MISSIONS:

STS-9 (*Columbia*)

- Crew: Commander John W. Young, Pilot Brewster H. Shaw, Jr., Mission Specialist Owen K. Garriott, Mission Specialist Robert A. R. Parker, Payload Specialist Byron K. Lichtenberg, Payload Specialist Ulf Merbold
- Launched: 28 November 1983 at 11:00:00 A.M. EST from Cape Canaveral, Florida
- Duration: 10 days, 7 hours, 47 minutes, 22 seconds
- Landed: 8 December 1983 at 03:47:24 P.M. PST at Edwards Air Force Base, California
- Mission Highlights: NASA and the European Space Agency (ESA) jointly sponsored this mission, commonly called Spacelab 1. The mission's prime objective was to verify the capability of the Spacelab system and its performance. In total the crew completed 73 scientific experiments. There were a number of firsts during this flight: the first flight of the Spacelab, the first flight of an ESA astronaut on board on a Shuttle, the first time six persons entered space in one vehicle, and the first operational use of the Tracking and Data Relay Satellite System.

STS 61-B (*Atlantis*)

- Crew: Commander Brewster H. Shaw, Jr., Pilot Bryan D. O'Connor, Mission Specialist Mary L. Cleave, Mission Specialist Sherwood C. Spring, Mission Specialist Jerry L. Ross, Payload Specialist Rodolfo Neri Vela, Payload Specialist Charles D. Walker
- Launched: 26 November 1985 at 07:29:00 P.M. EST from Cape Canaveral, Florida
- Duration: 6 days, 21 hours, 4 minutes, 49 seconds
- Landed: 3 December 1985 at 01:33:49 A.M. PST at Edwards Air Force Base, California
- Mission Highlights: This was the second night launch in the history of the Shuttle Program. One of the mission's prime objectives was to identify procedures to improve erecting structures in space. The crew also deployed three communications satellites: Morelos-B, Aussat, and RCA Satcom K-2.

STS-28 (*Columbia*)

- Crew: Commander Brewster H. Shaw, Jr., Pilot Richard N. Richards, Mission Specialist James C. Adamson, Mission Specialist David C. Leetsma, Mission Specialist Mark N. Brown
- Launched: 8 August 1989 at 08:37:00 A.M. EST from Cape Canaveral, Florida
- Duration: 5 days, 1 hour, 0 minutes, 8 seconds
- Landed: 18 August 1989 at 06:37:08 A.M. PDT at Edwards Air Force Base, California
- Mission Highlights: This was the fourth classified Department of Defense mission.

AWARDS & CITATIONS:

- Defense Superior Service Medal
- Air Force Distinguished Flying Cross with 6 Oak Leaf Clusters
- Defense Meritorious Service Medal

- Air Medal with 20 Oak Leaf Clusters
- Air Force Commendation Medal with 1 Oak Leaf Cluster
- Air Force Outstanding Unit Award
- Combat Readiness Medal
- National Defense Service Medal
- Vietnam Service Medal
- Air Force Longevity Service Award
- Small Arms Expert Marksmanship Ribbon
- Republic of Vietnam Campaign Medal
- Republic of Vietnam Gallantry Cross
- Distinguished Graduate from Officer Training School
- Distinguished Graduate of the United States Air Force Test Pilot School
- Undergraduate Pilot Training Commanders Trophy
- Outstanding Flying Trophy
- Outstanding Academic Trophy
- Best T-38 Pilot Award
- Top Formation Pilot Award
- F-100 Barry Goldwater Top Gun Award and Top Student
- F-4 Outstanding Academic Student Award and Top Gun Award
- Group Achievement Award, Launch and Landing Operations Team, 1981
- NASA Space Flight Medal, 1983
- American Astronautical Society Flight Achievement Award, STS-9, 1983
- Veterans of Foreign Wars National Space Award, STS-9, 1984
- NASA Space Flight Medal, 1985
- NASA Group Achievement Award 61-B EASE/ACCESS, 1986
- Defense Meritorious Service Medal, 1986
- NASA JSC Aviation Safety Award, 1987
- NASA Special Achievement Award, 1988
- NASA Outstanding Leadership Medal, 1988
- NASA Space Flight Medal, 1989
- NASA Distinguished Service Medal, 1990
- Robert A. Collier Trophy, 1993

SOURCES:

“Brewster H. Shaw, Jr.,” Maxwell Air Force Base, Air University Homepage, Online, <http://www.au.af.mil/au/goe/eaglebios/84bios/shaw84.htm> (Last Updated n.d.; Accessed 13 November 2001).

“Brewster H. Shaw, Jr. Biographical Data Sheet,” Astronaut Biographies Homepage, Online, <http://www.jsc.nasa.gov/Bios/htmlbios/shaw-bh.html> (Last Updated 23 August 2001; Accessed 30 October 2001).

Brewster H. Shaw, Jr. NASA Biographical Data Sheet (September 1989), Brewster H. Shaw, Jr. Biographical File, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

“Brewster Shaw,” Planet 10 Homepage, Online, <http://www.planet10.org/info/shaw.html> (Last Updated n.d.; Accessed 13 November 2001).

“Employees honored at awards ceremony,” Space News Roundup (Johnson Space Center), 21 November 1986, 3.

“Business to Business,” Clear Lake Area Economic Development Foundation Homepage, Online, <http://www.claedf.com/Data/Home/IntheNews/Newsletters/M1123645.pdf> (Last Updated n.d.; Accessed 27 November 2001).

“HST team wins Collier award,” Space News Roundup (Johnson Space Center), 18 March 1994, 4.

Johnson Space Center Telephone Directories (1978-1989), Organization Files, Center Series, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

“JSC people earn NASA honors,” Space News Roundup (Johnson Space Center), 15 June 1990, 1.

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