

Biographical Data

Lyndon B. Johnson Space Center
Houston, Texas 77058



National Aeronautics and
Space Administration

DAVID C. HILMERS (COLONEL, USMC, RET.)
NASA ASTRONAUT (FORMER)

PERSONAL DATA: Born January 28, 1950, in Clinton, Iowa, but considers DeWitt, Iowa, to be his hometown. Married to the former Lynn Beneke of Vinton, Iowa. Two grown sons. Recreational interests include playing the piano, gardening, electronics, spending time with his family, and all types of sports. His father, Paul C. Hilmers, lives in Clinton, Iowa, and his mother, Matilda Hilmers, lives in DeWitt, Iowa. Her parents, Mr. and Mrs. Leland Beneke, reside in Vinton, Iowa.

EDUCATION: Graduated from Central Community High School in DeWitt, Iowa, in 1968; received a bachelor of arts degree in mathematics (Summa Cum Laude) from Cornell College in 1972, a master of science degree in electrical engineering (with distinction) in 1977, and the degree of electrical engineer from the U.S. Naval Postgraduate School in 1978.

ORGANIZATIONS: Phi Beta Kappa, and Eta Kappa Nu.

SPECIAL HONORS: Named Outstanding Scholar-Athlete, Midwest Conference (1971); graduated Summa Cum Laude from Cornell College (1972); awarded an NCAA Post-Graduate Fellowship (1972); named to Phi Beta Kappa and named Outstanding Athlete, Cornell College (1972). Recipient of three NASA Exceptional Service Medals, three NASA Space Flight Medals, the American Institute of Aeronautics and Astronautics Haley Space Flight Award for 1988, and the American Astronautical Society Flight Achievement Award for 1988. Awarded the Department of Defense Distinguished Service Medal, the Defense Superior Service Medal, and the Meritorious Service Medal.

EXPERIENCE: Hilmers entered active duty with the United States Marine Corps in July 1972. On completing Marine Corps Basic School and Naval Flight Officer School, he was assigned to VMA(AW)-121 at Marine Corps Air Station Cherry Point, North Carolina, flying the A-6 Intruder as a bombardier-navigator. In 1975, he became an air liaison officer with the 1st Battalion, 2d Marines, stationed with the 6th Fleet in the Mediterranean. He graduated from the U.S. Naval Postgraduate School in 1978 and was later assigned to the 1st Marine Aircraft Wing in Iwakuni, Japan. He was stationed with the 3d Marine Aircraft Wing in El Toro, California, at the time of his selection by NASA.

NASA EXPERIENCE: Hilmers was selected a NASA astronaut in July 1980, and completed the initial training period in August 1981. In 1983 he was selected as a member of the -launch ready standby crew. His early NASA assignments have included work on upper stages such as PAM, IUS, and Centaur, as well as Shuttle software verification at the Shuttle Avionics Integration Laboratory (SAIL). In addition, he was the Astronaut Office training coordinator, worked on various Department of Defense payloads, served as a spacecraft communicator (CAPCOM) at Mission Control for STS-41D, STS-41G, STS-51A, STS-51C and STS-51D, worked Space Station issues for the Astronaut Office, and served as head of the Mission Development Branch within the Astronaut Office. In May 1985 he was named to the crew of STS-61F which was to deploy the Ulysses spacecraft on an interplanetary trajectory using a Centaur upper stage. This mission was to have flown in May 1986, but the Shuttle Centaur project was terminated in July 1986, and Hilmers then worked in the areas of ascent abort development, payload safety, and shuttle on-board software. During 1987 he was involved in training for STS-26 and in flight software development.

A veteran of four space flights, he has logged over 493 hours in space. He served as a mission specialist on STS-51J (October 3-7, 1985), STS-26 (September 29 to October 3, 1988), STS-36 (February 28 to March 4, 1990), and STS-42 (January 22-30, 1992).

Hilmers retired from NASA in October 1992, and is currently enrolled as a medical student at the Baylor College of Medicine in Houston, Texas.



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SPACE FLIGHT EXPERIENCE: STS 51-J Atlantis, a classified Department of Defense mission, launched from Kennedy Space Center, Florida, on October 3, 1985. This was the maiden voyage of the Orbiter Atlantis. Hilmers had prime responsibility for a number of on-orbit activities during the mission. After 98 hours of orbital operations, Atlantis landed at Edwards Air Force Base, California, on October 7, 1985.

STS-26 Discovery, the first flight to be flown after the Challenger accident, was launched from the Kennedy Space Center, Florida, on September 29, 1988. During the four-day mission, the crew successfully deployed the Tracking and Data Relay Satellite (TDRS-C), which was subsequently carried to orbit by the Inertial Upper Stage (IUS) rocket. They also operated eleven mid-deck experiments. Discovery completed 64 orbits of the Earth before landing at Edwards Air Force Base, California, on October 3, 1988.

STS-36 Atlantis launched from the Kennedy Space Center, Florida, on February 28, 1990. This mission carried Department of Defense payloads and a number of secondary payloads. After 72 orbits of the Earth, the STS-36 mission concluded with a lakebed landing at Edwards Air Force Base, California, on March 4, 1990, after traveling 1.87 million miles.

STS-42 Discovery launched from the Kennedy Space Center, Florida, on January 22, 1992. Fifty five major experiments conducted in the International Microgravity Laboratory-1 module were provided by investigators from eleven countries, and represented a broad spectrum of scientific disciplines. During 128 orbits of the Earth, the STS-42 crew accomplished the mission's primary objective of investigating the effects of microgravity on materials processing and life sciences. In this unique laboratory in space, crew members worked around-the-clock in two shifts. Experiments investigated the microgravity effects on the growth of protein and semiconductor crystals. Biological experiments on the effects of zero gravity on plants, tissues, bacteria, insects and human vestibular response were also conducted. This eight-day mission culminated in a landing at Edwards Air Force Base, California, on January 30, 1992.

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