

Biographical Data

Lyndon B. Johnson Space Center
Houston, Texas 77058



National Aeronautics and
Space Administration

ANTHONY W. ENGLAND (PH.D.)
NASA ASTRONAUT (FORMER)

PERSONAL DATA: Born May 15, 1942, in Indianapolis, Indiana, but his hometown is West Fargo, North Dakota. Married to the former Kathleen Ann Kreutz. They have two daughters. Recreational interests include sailing and amateur radio.

EDUCATION: Attended primary school in Indianapolis, Indiana, and graduated from high school in North Dakota; received bachelor and master of science degrees in Geology from Massachusetts Institute of Technology (MIT) in 1965, and a doctor of philosophy in Geophysics from MIT in 1970.

SPECIAL HONORS: Presented the Johnson Space Center Superior Achievement Award (1970). Awarded a NASA Outstanding Scientific Achievement Medal (1973), the U.S. Antarctic Medal (1979), the NASA Space Flight Medal (1985), the American Astronomical Society Space Flight Award (1986), the NASA Exceptional Service Medal (1988), the Department of Electrical Engineering and Computer Science Exceptional Service Award for 1994, and the College of Engineering Excellence in Faculty Service Award for 1995. He is a fellow of the Institute of Electrical and Electronics Engineers (IEEE).



EXPERIENCE: He was a graduate fellow at the Massachusetts Institute of Technology for the 3 years immediately preceding his first assignment to NASA. He helped develop and use radars to probe the Moon on Apollo 17 and glaciers in Washington State and Alaska, and participated in and led field parties during two seasons in Antarctica. He was Deputy Chief of the Office of Geochemistry and Geophysics for the U.S. Geological Survey, and Associated Editor for the Journal of Geophysical Research. He served on the National Academy's Space Studies Board, and on several Federal Committees concerned with Antarctic policy, nuclear waste containment, and Federal Science and Technology. Dr. England is currently Professor of Electrical Engineering and Computer Science, Professor of Atmospheric, Oceanic, and Space Science, and Director of the Center for Spatial Analysis at the University of Michigan.

He has logged over 3,000 hours of flying time.

NASA EXPERIENCE: Dr. England was selected as a scientist-astronaut by NASA in August 1967. He subsequently completed the initial academic training and a 53-week course in flight training at Laughlin Air Force Base, Texas, and served as a support crewman for the Apollo 13 and 16 flights. He left NASA for the U.S. Geological Survey in 1972.

Dr. England returned to the Johnson Space Center in 1979 as a senior scientist-astronaut (mission specialist), was assigned to the operation mission development group of the astronaut office, and eventually managed that group. In 1985 he flew on STS-51F Spacelab-2 in 1985 and has logged 188 hours in space. From May 1986 to May 1987 he served as a Program Scientist for Space Station. From June 1987 to December 1987 he taught Remote Sensing Geophysics at Rice University. Dr. England retired from NASA in 1988.

SPACE FLIGHT EXPERIENCE: STS-51F Spacelab-2, carrying a 7-man crew, was launched from Kennedy Space Center, Florida, on July 29, 1985. This mission was the first pallet-only Spacelab mission and the first mission to operate the Spacelab Instrument Pointing System (IPS). It carried 13 major experiments of which 7 were in the field of astronomy and solar physics, 3 were for studies of the Earth's ionosphere, 2 were life science experiments, and 1 studied the properties of superfluid helium. During the flight, Dr. England was responsible for activating and operating the Spacelab systems, operating the Instrument Pointing System (IPS), and the Remote Manipulator System (RMS), assisting with experiment operations, and performing a contingency EVA had one been necessary. After 126 orbits of the earth, STS 51-F Challenger landed at Edwards Air Force Base, California, on August 6, 1985.

AUGUST 1999

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