

Biographical Data



Lyndon B. Johnson Space Center
Houston, Texas 77058

NAME: F. Story Musgrave (MD)
NASA Astronaut

BIRTHPLACE AND DATE: Born August 19, 1935, in Boston, Massachusetts, but considers Lexington, Kentucky, to be his hometown.

PHYSICAL DESCRIPTION: Blond hair; blue eyes; height: 5 feet 10 inches; weight: 149 pounds.

EDUCATION: Graduated from St Mark's School, Southborough, Massachusetts, in 1953; received a bachelor of science degree in Mathematics and Statistics from Syracuse University in 1958, a master of business administration degree in Operations Analysis and Computer Programming from the University of California at Los Angeles in 1959, a bachelor of arts degree in Chemistry from Marietta College in 1960, a doctorate in Medicine from Columbia University in 1964, and a master of science in Physiology and Biophysics from the University of Kentucky in 1966.

MARITAL STATUS: Single.

CHILDREN: Lorelei Lisa, March 27, 1961; Bradley Scott, July 3, 1962; Holly Kay, December 13, 1963; Christopher Todd, May 12, 1965; and Jeffrey Paul, June 19, 1967.

RECREATIONAL INTERESTS: His hobbies are bicycling, chess, flying, gardening, long-distance running, motorcycling, parachuting, photography, racquetball, scuba diving, skateboarding, and soaring.

ORGANIZATIONS: Member of the Alpha Kappa Psi, the American Association for the Advancement of Science, the Civil Aviation Medical Association, the Flying Physicians Association, the International Academy of Astronautics, the Marine Corps Aviation Association, the National Aeronautic Association, the National Aerospace Education Council, the National Geographic Society, the New York Academy of Sciences, Phi Delta Theta, the Soaring Club of Houston, the Soaring Society of America, and the United States Parachute Association.

SPECIAL HONORS: National Defense Service Medal and an Outstanding Unit Citation as a member of the United States Marine Corps Squadron VMA-212 (1954); United States Air Force Post-doctoral Fellowship (1965-1966); National Heart Institute Post-doctoral Fellowship (1966-1967); Reese Air Force Base Commander's Trophy (1969); American College of Surgeons I. S. Ravdin Lecture (1973); NASA Exceptional Service Medal (1974); Flying Physicians Association Airman of the Year Award (1974).

EXPERIENCE: Following graduation from high school in 1953, Musgrave entered the United States Marine Corps and completed basic training at Parris Island, South Carolina. He completed training at the U. S. Naval Airman Preparatory School and the

U. S. Naval Aviation Electrician and Instrument Technician School in Jacksonville, Florida. He served as an aviation electrician and instrument technician and as an aircraft crew chief while completing duty assignments in Korea, Japan, Hawaii, and aboard the carrier USS Wasp in the Far East.

He has flown 120 different types of civilian and military aircraft, logging over 14,100 hours flying time, including 5,800 in jet aircraft, and he holds instructor, instrument instructor, glider instructor, and airline transport ratings. An accomplished parachutist, he has made more than 400 free falls -- including over 100 experimental free-fall descents involved with the study of human aerodynamics. He holds an International Jumpmaster Class C Licence and was President and Jumpmaster of the Bluegrass Sport Parachuting Association in Lexington, Kentucky, from 1964 to 1967.

Dr. Musgrave was employed as a mathematician and operations analyst by the Eastman Kodak Company, Rochester, New York, during 1958.

He served a surgical internship at the University of Kentucky Medical Center in Lexington from 1964 to 1965. He continued there as a U. S. Air Force post-doctoral fellow (1965-1966) working in aerospace medicine and physiology and as a National Heart Institute post-doctoral fellow (1966-1967) teaching and doing research in cardiovascular and exercise physiology.

He has written 35 scientific papers in the areas of aerospace medicine and physiology, temperature regulation, exercise physiology, and clinical surgery.

NASA EXPERIENCE: Dr. Musgrave was selected as a scientist-astronaut by NASA in August 1967. He completed astronaut academic training and a year of military flight training. He worked on the design and development of the Skylab Program, was the backup science-pilot for the first Skylab mission, and was a capsule communicator for the second and third Skylab missions. He was the mission specialist on the first and second Spacelab Mission Simulations. Dr. Musgrave participated in the design and development of all Space Shuttle extravehicular activity equipment including spacesuits, life support systems, airlocks, and manned maneuvering units. From 1979 to 1982, he was assigned as a test and verification pilot in the space shuttle avionics integration laboratory at JSC. He has continued clinical and scientific training as a part-time surgeon at the Denver General Hospital and as a part-time professor of physiology and biophysics at the University of Kentucky Medical Center.

Dr. Musgrave was a mission specialist on STS-6 which launched from Kennedy Space Center, Florida, on April 4, 1983, and landed at Edwards Air Force Base, California, on April 9, 1983. His companion crewmembers were Mr. Paul J. Weitz (commander), Col. Karol J. Bobko (pilot), and Mr. Donald H. Peterson (mission specialist). During this maiden voyage of the spacecraft Challenger, the crew performed the first shuttle deployment of an IUS/TDRS satellite, operated the Continuous Flow Electrophoresis System, the Monodisperse Latex Reactor, and three Getaway Special experiments, and conducted several medical experiments. Musgrave and Peterson conducted an Extravehicular Activity (EVA) to test the new space suit and construction and repair devices and procedures.

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APRIL 1983

NASA

National Aeronautics and
Space Administration

Extravehicular Activity (EVA)
STS-6 Shuttle Flight

