

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Robert G. Chilton

ORAL HISTORY: 5 April 1999

EDUCATIONAL BACKGROUND:

Junior College diploma, Austin Peay State College, Clarksville, Tennessee, 1943
BS in Aeronautical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, 1948
MS in Aeronautical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, 1949

PRE-NASA CAREER:

1st Lieutenant, Pilot, B-17 Flying Fortress, 486 Bomb Group, 8th Air Force, European Theater of Operations (1943-1945)
Research Scientist, NACA Langley Research Center, Hampton, Virginia (1949-1958)
Stability and Control Branch, Flight Research Division (date unknown-1958)

NASA CAREER:

NASA Space Task Group, Langley Research Center, Hampton, Virginia
Chief, Flight Dynamics Branch, Flight Systems Division (1958-1962)
NASA Manned Spacecraft Center/Johnson Space Center, Houston, Texas
Assistant Chief, Spacecraft Technology Division (1962-1965)
Deputy Chief, Guidance and Control Division (1965-1970)
Chief, Guidance and Control Division (1970-1973)
Chief, Control Systems Development Division (1973-1978)

POST-NASA CAREER:

Professor, Texas A&M University (ca. 1978- date unknown)

PROFESSIONAL & HONORARY SOCIETIES:

- American Institute of Aeronautics and Astronautics (AIAA)
- American Society for Engineering Education (ASEE)

AWARDS & CITATIONS:

- Air Medal, United States Army Air Force (4 times)
- NASA Exceptional Service Medal
- Named as co-inventor (1 of 7) of the Mercury Capsule (1962)
- Achievement Award: Mercury, Gemini, Apollo, Skylab, Apollo-Soyuz, Space Shuttle
- Sperry Fellowship

SELECT PUBLICATIONS:

Adams, James J. and Robert G. Chilton. "A Weight Comparison of Several Attitude Controls for Satellites." 01 February 1959. NASA-MEMO-12-30-58L (CASI 19989228246). Hampton, VA: NASA Langley Research Center, 1959.

Brown, B. Porter, Robert G. Chilton, and James B. Whitten. "Flight Investigation of a Mechanical Feel Device in an Irreversible Elevator Control System of a Large Airplane." 01 October 1951. NACA-TN-2496 (CASI 93R12502). Langley Field, VA: NACA Langley Aeronautical Laboratory, 1951.

Chilton, Robert G. "Some Measurements of Atmosphere Turbulence Obtained from Flow-Direction Vanes Mounted on an Airplane." 01 November 1954. NACA-TN-3313 (CASI 93R13356). Langley Field, VA: NACA Langley Aeronautical Laboratory, 1951.

Chilton, Robert G. "Apollo Spacecraft Control Systems." In Peaceful Uses of Automation in Outer Space: Proceedings of the First IFAC (International Federation of Automatic Control) Symposium on Automatic Control in the Peaceful Uses of Space, Held June 21-24, 1965, in Stavenger, Norway, edited by John A. Aseltine, 422-434. New York: Plenum Press, 1966.

Chilton, Robert G. and B. Porter Brown. "Flight Investigation of the Effect of Sideslip on the Pressure at the Static Orifices of the Boeing B-29 Airplane." 11 April 1951. NACA-RM-L50J30 (CASI 93R15691). Langley Field, VA: NACA Langley Aeronautical Laboratory, 1951.

Chilton, Robert G. and Clarence E. Williams, eds. NASA/ASEE Summer Faculty Fellowship Program, 1985. Springfield, Va.: National Technical Information Service, 1985.

Crane, Harold L. and Robert G. Chilton. "Measurements of Atmospheric Turbulence Over a Wide Range Wavelength for One Meteorological Condition." 01 June 1956. NACA-TN-3702 (CASI 93R13754). Langley Field, VA: NACA Langley Aeronautical Laboratory, 1951.

BIOGRAPHICAL REFERENCES:

Robert G. Chilton Biographical Data Sheet (April 1978), Biographical Files, History Collection, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

Who's Who in Aviation and Aerospace, U.S. Edition, Compiled with the assistance of Jane's Publishing Company, Ltd. Boston and New York: National Aeronautical Institute, 1983. s.v. Chilton, Robert G.

BIOGRAPHICAL DATA SHEET CREATED: 12 FEBRUARY 1999