

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: William R. Muehlberger

ORAL HISTORY: 9 November 1999

EDUCATIONAL BACKGROUND:

University of California, Berkley, Berkley, California
(no degree, Civil Engineering 1943-1944)
B.S. in Geology, California Institute of Technology, Pasadena, California, 1949
M.S. in Geology, California Institute of Technology, Pasadena, California, 1949
Ph.D. in Geology, California Institute of Technology, Pasadena, California, 1954

MILITARY EXPERIENCE: U.S. Marine Corps (1942-1946, 1950-1952)

PRE-NASA INVOLVEMENT:

United States Geological Survey, Reston, Virginia
Geologic Field Assistant (1948-1949)
Geologist (1949)
University of Texas, Austin, Texas
Assistant Professor of Geological Science (1954-1958)
Associate Professor of Geological Science (1958-1962)
Professor of Geological Science (1962- date unknown)
Chairman, Department of Geological Science (1966-1970)
New Mexico Bureau of Mines and Mineral Resources, Socorro, New Mexico
Geologist (Summers 1954-1961)
Director, Crustal Studies Lab (1961-1966)

NASA INVOLVEMENT:

Manned Spacecraft Center, Houston, Texas
Geologist, Principal Investigator—Apollo Field Geology Expert, Apollos 16-17,
United States Geological Survey, Reston, Virginia (1970-1973)
Co-Investigator, Visual Observations Experiment, Skylab and Apollo-Soyuz
Geology Instructor, Astronaut Training (1973-Present)

POST-NASA INVOLVEMENT:

University of Texas, Austin, Texas
Professor of Geological Science (1973-1985)
Fred M. Bullard Professor (1980-1982)
Charles E. Yeager Professor (1982-1983)
John E. "Brick" Elliot Centennial Endowed Professor in Geological Sciences
(1983-1985)

William Stamps Farish Chair, Geology Department (1985-1989)
Peter T. Flawn Centennial Chair, Geology Department (1989-1992)
United States Geological Survey, Reston, Virginia
Director, Tectonic Map of North America Project (1980-1988)

CURRENT OCCUPATION: Professor Emeritus, Geology Department, University of Texas,
Austin, Texas

PROFESSIONAL & HONORARY SOCIETIES:

- Fellow, Geological Society of America
- Member, American Geophysical Union
- Honorary Member, American Association of Petroleum Geologists
- Member, American Geological Institute

AWARDS & CITATIONS:

- First Award, Series ‘Principles of Geology’ Local Classification for College Instructional Program. The Institute for Education by Radio-Television, The Ohio State University, 1961
- American Association of Petroleum Geologists Matson Award, Best Paper Presented at the 1964 Annual Meeting
- Medal for Exceptional Scientific Achievement, NASA, 1973
- Houston Oil and Mineral Corporation Faculty Excellence Award, 1978
- Knebel Distinguished Teaching Award, 1992

SELECT PUBLICATIONS:

Muehlberger, William R. “Deposition and Deformation in the Northern Soledad Basin, Los Angeles County, California.” Ph.D. diss., California Institute of Technology, 1954.

Muehlberger, William Rudolph. Reactor Fuel Waste Disposal Project: Geology of Salt Domes and Storage Possibilities. Austin, TX : University of Texas, 1958.

Muehlberger, William R. Salt Structure in the Grand Saline Salt Dome, Texas, Kleer Mine, Morton Salt Company. Austin, TX: Bureau of Economic Geology, 1958.

Muehlberger, William R. Internal Structure of the Grand Saline Salt Dome, Van Zandt County, Texas. Austin, TX: Bureau of Economic Geology, University of Texas, 1959, 1979.

Muehlberger, William R. High Plains, Northeastern New Mexico, Raton-Capulin Mountain-Clayton. Socorro, NM: State Bureau of Mines and Mineral Resources, New Mexico Institute of Mining and Technology, 1961, 1965, 1967.

Muehlberger, William R. Buried Basement Rocks of the United States of America and Canada. Austin, TX: University of Texas Department of Geology, Crustal Studies Laboratory, Balcones Research Center, 1964.

Muehlberger, William R. Geology of Chama Quadrangle, New Mexico. Socorro, NM: State Bureau of Mines and Mineral Resources, New Mexico Institute of Mining & Technology, 1967.

Muehlberger, William R. Geology of Brazos Peak Quadrangle, New Mexico. Socorro, NM: New Mexico Bureau of Mines and Mineral Resources, 1968.

Muehlberger, William R. Interagency Report: Astrogeology 71: Documentation and Environment of the Apollo 17 Samples; A Preliminary Report. Reston, Va.: U.S. Department of the Interior, Geological Survey, 1973.

Muehlberger, William R. Española-Chama-Taos: A Climb Through Time. Socorro, NM: New Mexico Bureau of Mines & Mineral Resources, 1982.

Muehlberger, William R. Geologic Cross Section, Marathon Region, Trans-Pecos Texas. Boulder, Colo.: Geological Society of America, 1984.

Muehlberger, William R. Structure and Stratigraphy of Trans-Pecos Texas : El Paso to Guadalupe Mountains and Big Bend, July 20-29, 1989. Washington, DC: American Geophysical Union, 1989.

Muehlberger, William R. Tectonic Map of North America. Tulsa, OK: American Association of Petroleum Geologists, 1992 1996.

BIOGRAPHICAL REFERENCES:

American Men & Women of Science: A Biographical Directory of Today's Leaders in Physical, Biological and Related Sciences, 17th ed. New York: R.R. Bowker, 1990, s.v. Kranz, Eugene.

Who's Who in America. 43rd Edition New Providence, NJ: Marquis Who's Who, 1984-1985, s.v. "Muehlberger, William Rudolf."

Muehlberger, William R. Resume. On loan from Dr. Muehlberger.