

1929

June 17, 1929 Born in Mannheim, Germany

1937 First time in an airplane



1945

Became an American citizen



1951

Received a bachelor's degree in physics from the University of California, Berkeley

1954

Received a Ph.D. in physics from the Massachusetts Institute of Technology (MIT)



1954 - 1955

Research associate and acting head of MIT's Neutron Physics Group Laboratory for Nuclear Science

1955 - 1958

Teaching Assistant to Dr. Edward Teller at University of California, Berkeley

Research Physicist at the Lawrence Radiation Laboratory in Livermore, CA

1958 - 1960

Assistant Professor of Physics at MIT

1960 - 1964

Experimental Physics Division Leader of the Livermore laboratory

Faculty Member of the University of California, Berkeley Department of Nuclear Engineering

1960 - 1969

Research Physicist at the Livermore Radiation Laboratory in Livermore, CA

1964 - 1969

Chairman of the Nuclear Engineering Department, University of California, Berkeley



1969 - 1977

Director of NASA's Ames Research Center

1976

Elected to the National Academy of Engineering

1977 - 1979

Under Secretary of the U. S. Air Force and Director of

the National Reconnaissance Office

1979 - 1981

Secretary of the U.S. Air Force



1981 - 1984

Deputy Administrator of NASA



1984 - 1992

Chancellor of The University of Texas System



1988 - 1998

Professor of Aerospace Engineering and Engineering

Mechanics at The University of Texas at Austin



In 1992, assumed the John J. Mcketta
Centennial Energy Chair in Engineering

1992 - 2012

Senior Research Engineer and special advisor to the director of the Institute for Advanced Technology

1998 - 2001

Director of Defense Research and Engineering



2001 - Present

Professor in the Department of Aerospace Engineering and Engineering Mechanics at The University of Texas at Austin



2004

Honorary Science Degree from the Royal Military College of Science and Technology, Oxfordshire, Great Britain

2006

Elected as an Honorary Fellow of the American Institute of Aeronautics and Astronautics

2008

The General James
E. Hill Lifetime
Space Achievement Award, the
highest honor by
Space Foundation



2012

NASA-Ames Research Center Fellow

Air Force Space and Missile Pioneer Hall of Fame Inductee