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Resume of James Christian Nielsen, 1974

Nielsen, James Christian

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RESUME OF JAMES CHRISTIAN NIELSEN

James Nielsen was born in Denmark in 1923, and came to the United States in 1934. He received his education in Seattle, Washington. He majored in chemical engineering at the University of Washington from 1941 to 1943. He joined the Royal Canadian Air Force and served as a fighter pilot until the end of World War II.

He majored in aeronautical engineering at the University of Washington, and received his Bachelor of Science degree in Aeronautical Engineering, cum laude, in June 1950.

He received a year's scholarship for graduate study at the University of Washington, at the completion of which he was employed by the Boeing Airplane Company in Seattle. He continued graduate study, majoring in supersonic stability and control, under the direction of Dr. Robert E. Street and Professor Victor M. Ganzer. He received his Master of Science degree in Aeronautical Engineering in June 1957 from the University of Washington.

While with Boeing from 1951-55 he worked as a stress analyst, operations and analysis engineer, and as an aerodynamicist. During this period he tested the maneuvering effectiveness, performance and structural degradation effects of various novel control systems on the XB-47. He also predicted the performance envelope of the B-52. In 1955 he joined the faculty of the newly organized Aviation Safety School at the University of Southern California. He developed the application of aeronautical engineering principles to accident investigation and prevention methods. He participated in numerous aircraft accident investigations. He worked for Lockheed Missiles and Space Division at Van Nuys as a stability and control aerodynamicist and as a propulsion aerothermodynamic research and staff engineer on the Polaris in 1959. In 1960 he returned to U.S.C. to organize and teach new courses in the fields of aerodynamics and propulsion until the Aviation Safety School was transferred to Monterey in 1966.

In August 1966 he joined the faculty of the Naval Postgraduate School, Monterey, California, teaching in the Aviation Safety Programs. From 1 July 1968 until 30 June 1974 he was Director of the Aviation Safety Programs. He is a member of the American Rocket Society, Tau Beta Pi, and Quiet Birdmen.

