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Resume of Karlheinz Edgar Woehler, 1973

Woehler, Karlheinz Edgar

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RESUME OF KARLHEINZ EDGAR WOehler

Kai Woehler was born in Berlin, Germany, on 5 June 1930. After completion of Gymnasium in 1950, he took his undergraduate studies at the University of Bonn, German, with major in physics and minors in mathematics and chemistry. He received a B.S. in physics in 1953. Graduate studies followed at the Technische Hochschule in Aachen where he received the Diploma in physics (M.S.) with minors in mathematics and aerodynamics.

From 1955 to 1959, he was employed by the Siemens & Halske AG in Munich, German, where he did research and development of transistorized filter and control networks for multichannel communications systems. In 1959, he became research associate at the Max-Planck Institute for Physics and Astrophysics in Munich. His research there was in the field of controlled nuclear fusion, in diffusion in particular on plasma across magnetic fields.

He enrolled as a graduate student at the University of Munich and received the degree of Doctor of Science in 1962. His dissertation on instability and anomalous diffusion of plasma across magnetic fields was under the direction of Professor Werner Heisenberg.

In July 1962, he joined the faculty of the Department of Physics and Chemistry of the Naval Postgraduate School, Monterey, California. He served as Chairman of that department from 1974-1979 and as Chairman of the NPS Faculty Council in 1973.

He has served as consultant to North American Aviation, to NASA, and to the Naval Electronics Laboratory Center. During a leave of absence in 1964, he continued research on plasma turbulence and plasma heating at the Institute for Plasmaphysics in Garching, Germany.

His current research interests are quantum gravitation in the very early universe; general system theory with application to cybernetic systems; and directed energy weapon effects.

He is a member of the American Physical Society, Sigma Xi, and AAAS. He was selected Outstanding Educator of America in 1973.

