

Public Information Office  
NASA Lewis Research Center  
Cleveland, OH 44135  
433-4000, ext. 415

BIOGRAPHICAL SKETCH OF HAROLD KAUFMAN

Harold R. Kaufman, Assistant Chief of the Physical Science Division at the National Aeronautics and Space Administration's Lewis Research Center, joined the NASA in 1951 as a research engineer.

Born in Iowa, Dr. Kaufman is an alumnus of Northwestern University, and received his B.S. degree in mechanical engineering in 1951. He received a Ph.D. in mechanical engineering from Colorado State University in June 1971. He served two years in the U.S. Navy during and after World War II.

At the Lewis Research Center, Dr. Kaufman has specialized in research on turbojet engines and electric propulsion. He developed an electron bombardment ion rocket for which NASA presented him an invention award "for a contribution of significant value in the conduct of aeronautical and space activities." In 1969 he received the James H. Wyld Propulsion Award of the American Institute of Aeronautics and Astronautics for the original research on his engine and leadership in his field. In 1970 Lewis Research Center received an award from Industrial Research magazine for Dr. Kaufman's Electron Bombardment Ion Thruster as one of the top 100 inventions. In 1971 he was awarded the NASA Medal for Exceptional Scientific Achievement.

An Associate Fellow of the American Institute of Aeronautics and Astronautics, Dr. Kaufman is married and has four children. The family resides in Berea, Ohio.

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