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DEISSLER, Robert

National Advisory Committee for Aeronautics
Lewis Flight Propulsion Laboratory
Cleveland 11, Ohio
WInton 1-6620

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For use: After 11:00 a.m., October 28, 1957

ROBERT G. DEISSLER AND SEYMOUR LIEBLEIN AWARDED
NACA EXCEPTIONAL SERVICE MEDALS

The National Advisory Committee for Aeronautics has conferred its Exceptional Service Medal upon Robert G. Deissler and Seymour Lieblein, aeronautical research scientists of the NACA Lewis Flight Propulsion Laboratory. Mr. Deissler's scientific research has helped solve many of the fluid flow and heat-transfer problems associated with aircraft nuclear propulsion. Mr. Lieblein's scientific research has helped to improve aircraft turbojet engines by increasing turbojet compressor performance and by reducing compressor weight and cost.

The honors were presented today by Dr. Hugh L. Dryden, NACA Director, from NACA Headquarters in Washington, D. C., during ceremonies at the Lewis Laboratory.

Mr. Deissler's citation said:

"Robert G. Deissler, Aeronautical Research Scientist at the NACA Lewis Flight Propulsion Laboratory achieved, during the years 1950-1957, significant scientific results in the solution of fluid flow and heat-transfer problems. His contribution describing fully developed adiabatic flow reduced the number of regions required to be described from three to two. He applied his theory to the solution of heat-flow problems occurring in high temperature nuclear reactors for aircraft use. He simplified the mathematical treatment so that it

could be checked experimentally and used with modern high-speed computers for design application."

Mr. Liebelein's citation said:

"Seymour Lieblein, Aeronautical Research Scientist at the NACA Lewis Flight Propulsion Laboratory achieved, during the years 1952-1957, significant scientific results in the field of axial-flow compressors. He pioneered in the design of multi-stage transonic compressors and by overcoming the problems encountered in transonic flow obtained significant improvements in compressor performance. As a direct result of his work, compressor weight and cost have been reduced appreciably. His concepts are being incorporated in all aircraft compressors now being developed. The results of his performance are of exceptional value to aeronautics and are in keeping with the highest traditions of NACA research."

Mr. Deissler has been an NACA scientist since 1947 specializing in the field of heat transfer and fluid mechanics. He received his B.S. in Mechanical Engineering degree from the Carnegie Institute of Technology in 1943 and his M.S. in Mechanical Engineering from the Case Institute of Technology in 1947. He is a member of the American Society of Mechanical Engineers.

Mr. Deissler was born at Greenville, Pennsylvania, on August 1, 1921, and resides at 4540 West 213 Street, Fairview Park, Ohio, with his wife, June, and their three children, Robert Joseph, Mary Beth, and Ellen Ann.

Mr. Lieblein has been associated with NACA since his graduation from the College of the City of New York in 1944, with a B.M.E. degree. In 1952, he received his M.S. in Aeronautical Engineering from the Case Institute of Technology, and has specialized in turbojet engine compressor research. He is a member of the Institute of the Aeronautical Sciences.

Mr. Lieblein, a bachelor, was born in New York City on June 17, 1923, and resides at 22442 Fairlawn Circle, Fairview Park, Ohio.

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