

## **Eugene E. Lundquist (NACA, USA) (1907 - 1998)**

### **Biography:**

Dr. Lundquist earned a B.S. in civil engineering from the University of Nebraska in 1928 and after working at NACA in Hampton, he received an honorary Ph.D. from the University of Nebraska in the 1940s. He continued his work at NASA Langley Research Center, rose to be division chief of structures research and retired as head of theoretical structures group in 1963 after 34 years of civil service. He was a past president of the Engineers Club of the Virginia Peninsula, and he was also a fellow of the American Institute of Aeronautics and Astronautics.

### **Selected publications:**

Eugene E. Lundquist, "Strength tests on thin-walled duralumin cylinders in torsion", NACA TN No. 427, 1932

Lundquist, E.E., "Strength tests of thin-walled duralumin cylinders in pure bending", NACA TN 479, 1933

Lundquist, E.E., "Strength tests of thin-walled duralumin cylinders in combined transverse shear and bending", NACA TN 523, 1935

Lundquist, E.E., "Comparison of three methods for calculating the compressive strength of flat and slightly curved sheets and stiffener combination", NACA TN 455 (no date given, probably about 1937)

Eugene E. Lundquist (NACA), "Generalized analysis of experimental observations in problems of elastic stability", NACA Technical Note no. 658, July 1938

Lundquist, E.E., "Local instability of symmetrical rectangular tubes under axial compression", NACA TN 686, Feb. 1939

E. E. Lundquist and E. H. Schuette, "Strength tests of thin-wall truncated cones of circular sections," 1942.

Lundquist, E.E., and Stowell, E.Z., "Critical Compressive Stress for Flat Rectangular Plates Supported Along all Edges and Elastically Restrained Against Rotation Along the Unloaded Edges", NACA TR 733, 1942

Lundquist, E.E. and Stowell, E.Z., "Critical compressive stress for outstanding flanges", NACA TN 734, 1942

Lundquist, E.E. and Stowell, E.Z., "Restraint provided a flat rectangular plate by sturdy stiffener along the edges of the plate", NACA TN 735, 1942

Lundquist, E.E., Stowell, E.Z. and Schuette, E.H., "Principles of moment distribution applied to stability of structures composed of bars or plates:", NACA WR L-326, 1943

Hu, P.C., Lundquist, E.E. and Batdorf, S.B., "Effect of small deviations from flatness on the effective width and buckling of plates in compression", NACA TN 1124, 1946