

HONORS AND AWARDS

Fritz London Award

John Bardeen, Nobel laureate in physics and professor of electrical engineering and physics at the University of Illinois, has received the third Fritz London Award for distinguished research in low-temperature physics. The presentation was made on September 17, during the Eighth International Conference on Low Temperature Physics, which met at the University of London.

Dr. Bardeen was honored for his development, with Leon M. Cooper and J. R. Schrieffer, of the first successful microscopic theory of superconductivity, published in 1957. During the period 1945 to 1951 Dr. Bardeen was a member of the staff of the Bell Telephone Laboratories, where he worked with Walter H. Brattain and William Shockley on semiconductor research, in the course of which they discovered and interpreted the transistor effect. This achievement won them the 1956 Nobel prize in physics.

Established in 1957, and given at two-year intervals, the Fritz London Award carries an honorarium of \$1000. It is sponsored by the ADL Foundation of Arthur D. Little, Inc. The first two recipients were N. Kurti, in 1957, and L. D. Landau, in 1959.

ASA Biennial Award

The Biennial Award of the Acoustical Society of America was presented on May 24 to Alan Powell of the University of California at Los Angeles "in recognition of his outstanding contributions to acoustics through research and publication on edge tones, random vibrations, boundary layer phenomena, and the noise made by jet flow and turbulence". The ceremony took place during the Society's meeting in New York City.

A native of England, Prof. Powell received his BSc degree from the University of London in 1949 and his PhD from the University of Southampton in 1953. After three years as a lecturer at Southampton, he joined the UCLA faculty in 1956. He has been professor of engineering there since 1957.

The Biennial Award, which includes \$100 in cash, a certificate from the Society, and a complete bound set of the *Journal of the Acoustical Society of America*, is presented during the spring of even-numbered years to "a Member or Fellow of the Society who is under 35 years of age and who, during a period of two or more years immediately preceding the award, has been active in the affairs of the Society and has contributed substantially, through published papers, to the advancement of theoretical and/or applied acoustics".



John Bardeen



Alan Powell



James A. Van Allen

Guggenheim Astronautics Award

The Daniel and Florence Guggenheim International Astronautics Award for 1962 has been awarded to James A. Van Allen, head of the Department of Physics