

US Army Missile Command, Alford has continued to teach at Auburn, where, since 1980, he has been the Associate Dean of the School of Arts and Sciences.

The Beams Award, also presented annually, is named in honor of Jesse Wakefield Beams, whose leadership in physics research during the formative years of the APS Southeastern Section is widely recognized.

Sellin's research has included the study of Lamb shifts in one-electron ions, charge-cloud oscillations in atoms and ions, electron ejection in ion-atom collision, and highly ionized ions stored in electromagnetic bottles. The APS Section also noted the contributions he has made on behalf of the National Academy of Sciences, the Council of the APS and the Executive Committee of the Southeastern Section. Sellin received his PhD from the University of Chicago in 1964 and taught there for an additional year. He taught at New York University from 1965 to 1967 and was a research physicist at Oak Ridge National Lab from 1967 until joining the physics department at the University of Tennessee, Knoxville, in 1970. He has been a project director both at the University and at Oak Ridge since 1970, and since 1980 he has also acted as a consultant for the National Science Foundation.

European rheologists honor Lodge with gold medal

At a joint meeting of the British and German Societies for Rheology, in September 1983, Arthur S. Lodge received a Gold Medal for his contributions to theoretical and experimental rheology.

Lodge received his DPhil from Oxford in theoretical nuclear physics, but immediately thereafter began to work on the flow of polymer systems, first at the British Rayon Research Association and, after 1961, at the University of Manchester. In 1968 Lodge moved to the University of Wisconsin at Madison, where he is the chairman of the Rheology Center.

Lodge was a pioneer in the use of

convected coordinate systems to describe high-strain flows and developed the network theory of polymer solutions. He has also worked on experimental determinations of rheological parameters and has invented a device for using what would otherwise be considered an "error signal" to measure the elasticity of a liquid.

AMS honors work in differential geometry

The American Mathematical Society has presented the Leroy P. Steele Prize to Shiing-Shen Chern, professor emeritus of mathematics at the University of California, Berkeley, for the cumulative influence of his total mathematical career.

Chern has been a leader in the field of differential geometry and has made important contributions to integral geometry, complex manifolds and characteristic classes. His intrinsic proof of the Gauss-Bonnet theorem is an example of the depth and elegance of his work. Much of this work has implications for gauge fields in theoretical physics. (See, for example, the articles by Chen-Ning Yang, *PHYSICS TODAY*, June 1980, page 42, and by Isadore M. Singer, March 1982, page 41.)

Born in Kashing, China, Chern received a BS from Nankai University in 1930, an MS from Tsing Hua University in 1934 and a DSc from the University of Hamburg in 1936. In China, he was professor of mathematics at Tsing Hua University (1937-43) and at the Academia Sinica (1946-48). In 1949 he came to the US, first to the University of Chicago, and in 1960, to the University of California, Berkeley, where he served until his retirement in 1980. Since 1982 he has been Director of the Mathematical Sciences Research Institute in Berkeley.

in brief

Edward C. Stone, professor of physics at Caltech, has been named chairman of

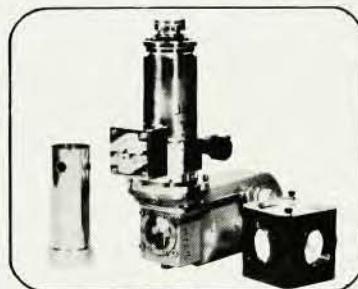
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