

SOCIETIES AND AWARDS

Bingham Medal

The Bingham Medal of the Society of Rheology for 1963 has been awarded to Clifford Truesdell of Johns Hopkins University. The honor was given to Dr. Truesdell during the Society's annual meeting in August which was combined this year with the 4th International Congress on Rheology. In presenting the medal, retiring president John D. Ferry paid tribute to Dr. Truesdell's "profound contributions to the rational mechanics of non-linear materials. The contributions consist not only of original papers but of remarkable articles which . . . have had a profound effect on the development of modern theoretical rheology."

Born in Los Angeles, Dr. Truesdell received his PhD in mathematics from Princeton University in 1943 and then taught mathematics for a year at Michigan University. Subsequently, he was a member of the staff of the Radiation Laboratory of the Massachusetts Institute of Technology (1944-1946), chief of the theoretical mechanics subdivision at the Naval Ordnance Laboratory (1946-1948), and head of the theoretical mechanics section at the Naval Research Laboratory (1948-1951). While at the latter two laboratories, Dr. Truesdell was also associated with the University of Maryland, rising to the rank of associate professor. In 1950, he became professor of mathematics at Indiana University, where he remained until his transfer in 1961 to his present post of professor of rational mechanics at Johns Hopkins.

Founder and editor of the *Journal of Rational Mechanics and Analysis* and of the *Archive for the History of the Exact Sciences*, Dr. Truesdell has also edited the complete works of Leonhard Euler.

Rheology Society Officers

James T. Bergen of the Armstrong Cork Company has been elected president of the Society of Rheology for the next two years. The Society's 14th president since its founding in 1929, Mr. Bergen succeeds John D. Ferry of the University of Wisconsin, who will now serve on the organization's executive committee. A native of Seattle, Mr. Bergen was educated at Lehigh University, taking a BS in chemical engineering in 1938 and an MS in chemistry in 1939. Following graduation, he joined Armstrong, where he worked in chemistry and physics research related to munitions. In 1955, Mr. Bergen was appointed to his current post of manager of a physics research unit at Armstrong's Research and Development Center in Lancaster, Pa. For the past two years, he has been serving as vice president of the Society of Rheology, and in addition to membership in the Society, is a member of the Society for Experimental Stress Analysis.



James T. Bergen



Robert S. Marvin

Robert S. Marvin, chief of the Rheology Section at the National Bureau of Standards, has been chosen as the Society's new vice president. Born in St. Paul, Minn., Dr. Marvin won his PhD in physical chemistry from the University of Wisconsin in 1949. Joining the Bureau of Standards in that same year, he helped to set up a program for the measurement of the dynamic properties of polymers. Since 1957, he has headed the Bureau's Rheology Section, where he directs the development of rheological standards and new types of rheological measurements. Dr. Marvin has also taken an active part in the polymer science work at NBS, has been leader of a division-wide project on the physics of polymers, and has served as assistant chief of the Rubber Section. A fellow of the American Physical Society, he is a member of the Society of Rheology and the American Chemical Society.

The rheologists have also elected Raymond R. Myers of Lehigh University as editor of the Society's publications and re-elected John C. Miller of Union Carbide Plastics Company as its secretary-treasurer. In addition, two new members-at-large of the organization's executive committee have been chosen: Thor Smith of Poulter Laboratories, Stanford Research Institute; and Hershel Markovitz of the Mellon Institute.

Navy Award

Curtis J. Humphreys, head of the research department at the US Naval Ordnance Laboratory in Corona, Calif., was honored by the Navy on June 21 when he received its Award for Distinguished Achievement. The \$5000 Award was given to Dr. Humphreys "in recognition of his outstanding and pioneering contributions to the field of atomic emission spectroscopy".

A scientist with the federal government for the past 35 years, Dr. Humphreys served in the Spectroscopy

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and Radiometry Sections of the National Bureau of Standards prior to joining the NOL in 1953. For his work on the spectrum of uranium, he received the award of the Manhattan District Project, and the Department of Commerce gave him its Meritorious Civilian Service Award for his discovery of the sixth series of hydrogen. A fellow of the American Physical Society and the Optical Society of America, he is a member of the Committee on Line Spectra of the Elements, National Research Council, and member of Commission 14, Fundamental Spectroscopic Data, International Astronomical Union.



Richard L. Doan

AEC Citation

For his contributions to the nation's atomic energy program, Richard L. Doan of the Phillips Petroleum Company has been awarded the US Atomic Energy Commission citation. The citation and a symbolic medallion were presented to Dr. Doan by Curtis A. Nelson, chairman of the AEC Awards Committee, at a dinner in his honor held recently at Idaho Falls, Idaho. Particular tribute was paid to Dr. Doan's services during the past twenty years to the Manhattan Project and to the AEC in his capacities as director of the Metallurgical Laboratory, director of research at the Clinton Laboratory, and as manager of Phillip's Atomic Energy Division.

Born in Lapel, Ind., in 1898, Dr. Doan received a PhD in physics and chemistry from the University of Chicago in 1926. Prior to joining Phillips in 1936, he was associated with Western Electric and the University of Chicago as a research physicist. Beginning in January 1942, he was on civil leave of absence from Phillips, serving as director of the Metallurgical Laboratory (now Argonne National Laboratory), chief administrative officer, and member of the technical council on the plutonium project, University of Chicago. In August 1943, he became the first director of research at Clinton Laboratories, Oak Ridge, Tenn. (now Oak Ridge National Laboratory), and returned to Phillips in October 1945. Dr. Doan was appointed manager

of Phillip's Atomic Energy Division in 1951, the position from which he has recently retired. A fellow of the American Physical Society, he is a charter member and a former director of the American Nuclear Society.

Established in September 1960, the Atomic Energy Commission citation is presented to persons not in the employ of the Commission who have made meritorious contributions to, or have been outstanding in, the nuclear energy program. Previous awards have gone to Casper W. Ooms, Warren C. Johnson, and Eric R. Jette.

ΣΠΣ Executive Committee Established

The Council of Sigma Pi Sigma, physics honor society, has established an Executive Committee consisting of the president, vice president, executive secretary, past president, and the chancellor. This committee has been assigned complete executive and administrative authority for the work of the national organization of the Society, subject to legislative and policy determinations which will continue to be formulated by the Council and the Conventions of the Society. The Executive Committee held its first meeting on September 20-21 at the Oak Ridge Institute of Nuclear Studies.

IEEE Awards

Francis B. Silsbee, consultant to the National Bureau of Standards, has received the Morris E. Leeds Award in electrical measurement from the Institute of Electrical and Electronics Engineers. Dr. Silsbee was given the award during the recent National Electronics Conference in Chicago for his contribution "to the international standardization of basic electrical units and their measurement". At the same time, the IEEE presented its David Sarnoff Award to Robert N. Hall, physicist at the General Electric Research Laboratory, who was cited for his work in the semiconductor field. Also honored were William L. Everitt, Dean of Engineering at the University of Illinois, who received the Mervin J. Kelly Award for his contributions in the field of telecommunication, and William G. Dow, chairman of the Electrical Engineering Department at the University of Michigan, who was awarded the Medal in Electrical Engineering Education for his contributions in that area.

Mark Mills Award

The American Nuclear Society has named Gerald C. Pomraning of General Electric's Vallecitos Laboratory in Pleasanton, Calif., as winner of this year's Mark Mills Award. The \$500 award was established in memory of the late deputy director of the Lawrence Radiation Laboratory and is presented for the best technical paper related to nuclear science by a graduate student. Dr. Pomraning's paper, "A New Asymptotic Diffusion Theory", which he submitted while a student at MIT, will be presented during the ANS meeting in New York this month.