

SOCIETIES AND AWARDS

APS nuclear physics division

Formation of a division of nuclear physics, bringing the number of specialized divisions to seven, was approved by the council of the American Physical Society last April. In addition to taking part in the regular meetings of the society, the division plans to organize divisional meetings



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about once a year devoted exclusively to nuclear physics. The division defines nuclear physics to include the study of nuclei, their structure, disintegration, interactions and other properties, and the study of the constituent parts of the nucleus, their interactions with one another and with nuclei.



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The organizing committee, appointed by APS president John A. Wheeler, has as officers *chairman* Joseph L. Fowler (ORNL), *vice chairman* D. Allan Bromley (Yale) and *secretary-treasurer* John A. Harvey (ORNL). At present the committee

is preparing bylaws and formulating plans that will be submitted later to the membership of the division. Members of the APS can enroll in the division by paying a fee of \$2. There are no additional dues for the division.

New astronomy officers

"Scrutineers of the Ballot" of the American Astronomical Society announce the results of recent elections: *vice president* Sidney W. McCuskey (Warner and Swasey Obs., Ohio), *treasurer* Frank K. Edmondson (Goethe Link Obs., Indiana), and *councilors* Herbert Friedman (US Naval Obs., Washington), A. A. Hoag (Kitt Peak National Obs., Tucson), and Maarten Schmidt (Mt. Wilson and Palomar Obs., Pasadena). The incumbent society president is Leo Goldberg (Harvard College Obs.).

Oceanographers organize

The National Oceanography Association has been formed with the stated purpose of mobilizing public support for a "high priority, full-scale national oceanography program, making use of all necessary resources of industry, backed up by the US government." On the board of directors are William A. Nierenberg, director of the Scripps Institute of Oceanography, Arthur W. Radford, retired US Navy admiral, and Walter Cronkite, CBS news editor.

The board said that "other nations (principally Russia and Japan) have been pushing ahead in what is clearly a race for control of ocean resources." The need was thus felt for an organization in which the general public could express interest and lend support for a national effort in oceanography. Headquarters of NOA are in Washington.

International crystallography

Elections were held at the Moscow general assembly of the International Union of Crystallography in July. The new executive committee includes

president N. V. Belov (Institute of Crystallography, Moscow), *retiring president* K. Lonsdale (University College, London), *vice presidents* I. Nitta (Japan) and B. E. Warren (MIT), *general secretary* G. Boom (Groningen) and *treasurer* D. W. J. Cruickshank (Glasgow). Among ordinary members elected to the executive committee was F. W. H. Zachariasen (Chicago). D. W. Smits (Groningen) had been general secretary and treasurer for the past twelve years.

IPPS elections

The Institute of Physics and the Physical Society elected, at its July annual meeting in London, the following officers: *president* Sir James Taylor, *vice president* J. V. Dunworth, *honorary treasurer* P. T. Menzies, and *honorary secretary* R. Press.

The IPPS, the result of a 1960 amalgamation, grew 10% in 1965 to a membership of over 11 000. This was due mainly to a broadening of the qualification requirements.

Rouse wins Rheology award

Prince E. Rouse (Los Alamos) will receive the Bingham medal at the annual meeting of the Society of Rheology in Atlantic City (31 Oct.-2 Nov.). The award is in recognition of Rouse's theoretical and experimental work on the dynamics of polymer chains. Present descriptions of the rheology of amorphous polymers and polymer solutions depend on his work.

... and also

... The American Geophysical Union has announced presentation of its annual awards. Louis B. Slichter (former director, Institute of Geophysics and Planetary Physics, UCLA) is recipient of the William Bowie medal, the highest AGU award, for work on tides and their effects on the Earth's rotation. Scott E. Forbush (Carnegie Institution of Washington) was awarded the John A. Fleming medal for first detecting the solar-flare par-

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... ticle flux and also for explaining the cosmic-ray flux decrease that follows a flare. Don L. Anderson (Cal Tech) received the James B. Macelwane award for work on the elastic and inelastic structure of the Earth.

... Vannevar Bush (honorary corporation chairman, MIT) received the Founders' medal at the second annual meeting of the National Academy of Engineering, for contributions by an engineer to his profession and to society. His differential analyzer was the ancestor of modern analog computers. He is best known for his work from 1941 to 1947 as director of the Office of Scientific Research and Development.

... Albert I. Schindler (US Naval Research Laboratory), Robert P. Madden (National Bureau of Standards), and Keith Codling (NBS) are co-winners of the Washington Academy of Sciences award in the physical sciences: Schindler was awarded for outstanding studies of the electronic and magnetic properties of metals and Madden and Codling for contributions to continuum states of atoms through studies of rare-gas atoms.

... In recognition of his contributions as a scientist in the federal service, Alan T. Waterman was honored with the Edwin Bidwell Wilson award of the National Academy of Sciences. He directed the National Science Foundation until 1963, was chairman of the board of the AAAS, and is now consultant to NSF, NAS and NASA.

... For his work in mathematical astronomy, the late Dirk Brouwer (Yale) was honored posthumously with the Catherine Wolfe Bruce medal of the Astronomical Society of the Pacific.

... The Yale Engineering Association award for advancement of basic and applied science goes to Robert M. Walker (GE, Schenectady), an authority on radiation damage in metals.

... The Gravity Research Foundation awarded \$1000 to Peter R. Phillips (Washington University). His paper "Is the Graviton a Goldstone Boson?" appeared in the 24 June issue of *The Physical Review* [146, 966 (1966)].

... Pope Paul VI presented the gold medal of the Pontifical Academy of Sciences to Allen R. Sandage (Mt. Wilson and Palomar). □

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