

sity of Pittsburgh), *vice chairman*; J. Arol Simpson (National Bureau of Standards), *secretary-treasurer*; Arthur V. Phelps (Westinghouse Electric Corporation), *member until 1965*; Edgar Everhart (University of Connecticut), *member until 1966*; H. J. Oskam (University of Minnesota), *member until 1967*; and George Schulz (Westinghouse Research Labs.), *Gaseous Electronics Representative*.

Officers of the Electron Microscopy Society are Sydney S. Breese, Jr. (Plum Island Animal Disease Laboratory), *president*; Virgil G. Peck (Tennessee Eastman Company Research Laboratory), *president-elect*; C. M. Schwartz (Battelle Memorial Institute), *past president*; Roberta S. Hartman (Walter Reed Army Institute of Research), *council secretary*; George G. Cocks (Battelle Memorial Institute), *membership secretary*; and Stanley R. Rouze (General Motors Corporation), *treasurer*. The Society's directors now include George E. Palade, David B. Scott, Joseph J. Comer, Albert E. Vatter, Frank W. C. Boswell, and John Luft.

### IEEE Awards

Three physicists were honored by the Institute of Electrical and Electronics Engineers during its recent convention in New York City. John R. Pierce of Bell Telephone Laboratories received the Edison Medal for his work in satellite communications, electron optics, traveling wave tube theory, and the control of noise in electron streams. Arthur L. Schawlow of Stanford University won the Liebmann Memorial Prize for his contributions in the field of optical masers. Donald L. White, also of Bell Laboratories, was given the Baker Prize for his paper entitled "The Depletion Layer Transducer" that appeared in the July 1962 issue of the *IEEE Transactions on Ultrasonics Engineering*.

### Pegram Medal

This past January, on the twenty-fifth anniversary of his uranium fission experiment of 1939, John R. Dunning was awarded the first George B. Pegram Medal of the Columbia Engineering School Alumni Association.

The award paid tribute to his pioneering accomplishments in atomic research. Dr. Dunning is currently dean of Columbia University's School of Engineering and Applied Science.

The medal, to be awarded annually, honors the late George B. Pegram, dean of Graduate Studies at Columbia University and a former president of the American Physical Society. Dr. Pegram also played a leading role in the founding of the American Institute of Physics, and he served as the AIP's first secretary from 1931 to 1945. He was the Institute's treasurer from 1938 to 1956, and was a member of the AIP Governing Board from 1931 to 1955.

### Space Science Award

The 1963 Space Science Award of the American Institute of Aeronautics and Astronautics has been awarded to Herbert Friedman of the Naval Research Laboratory. The medal and \$1000 honorarium were presented to Dr. Friedman for his contributions in investigating the physics of planetary atmospheres, beginning with his use of satellites and rockets to study the ultraviolet and x-radiation of the sun, and the resultant discoveries of their effects on the production of various ionospheric regions.

A member of the NRL since 1941, Dr. Friedman headed the Laboratory's Electron Optics Branch prior to assuming his present post of superintendent of the Atmosphere and Astrophysics Division. He is a fellow of the American Physical Society and a member of the Optical Society of America.

### Washington Academy Awards

Awards for scientific achievement were recently presented to two American Physical Society members by the Washington Academy of Sciences. George A. Snow of the University of Maryland received the award for physical sciences for "outstanding research on the fundamental properties of elementary particles". George M. Koehl of George Washington University was given a teaching of science award for "sustained excellence in teaching the beauty and order of physics".

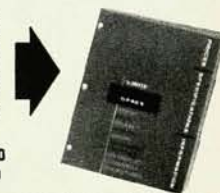
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