



cent E. Parker, president of American Association of Physics Teachers for 1963.



E. U. Condon, this year's vice president of the AAPT.

The AAPT's Oersted Medal was conferred posthumously on the late Francis L. Friedman.

president, Frank Verbrugge of the University of Minnesota will continue to serve on the Executive Committee.

The Joint Ceremonial Session of the two societies was held on January 24th at the Manhattan Center. The retiring presidential address of the Physical Society was presented by W. V. Houston who spoke on the Theory of Electrons and Atomic Nuclei in Crystals. The 22nd Richtmyer Memorial Lecture of the AAPT, given annually in memory of Floyd K. Richtmyer, was presented by W. K. H. Panofsky of Stanford University, who spoke on the subject "Photon and Electron High-Energy Physics: Present and Future". The 27th Oersted Medal of the American Association of Physics Teachers, awarded "for notable contributions to the teaching of physics", was conferred posthumously on the late Francis L. Friedman, professor of physics at the Massachusetts Institute of Technology, director of the MIT Science Teaching Center, and a leading figure in the work of the Physical Science Study Committee. Professor Friedman died last August. It was announced that a special bronze memorial tablet, honoring Dr. Friedman as the Oersted Medalist, would be presented to MIT. This year's address, an appreciation of Francis Friedman, was given by Philip Morrison of Cornell.

At the joint banquet on Friday evening, the Physical Society's Oliver E. Buckley Solid-State Physics Prize for 1963 was awarded to William M. Fairbank of Stanford University. Professor Fairbank was chosen by the Society's Council to receive the \$1000 award in recognition of "his work on the properties of helium 3, and especially for his part in the experimental discovery of flux quantization in superconductors". A member of the MIT Radiation Laboratory during World War II, he served on the faculties of Amherst and Duke prior to joining Stanford in 1959 as professor of physics. Endowed in 1952 by the Bell Telephone Laboratories in honor of its former president and board chairman, the late O. E. Buckley, the prize is administered by the Society. The banquet's after-dinner speaker was William H. Pickering, director of the Jet Propulsion Laboratory of the California Institute of Technology and president of the newly formed American Institute of Aeronautics and Astronautics, who spoke on the flight of Mariner II.

During the annual business meeting of the AAPT, the Association awarded four Distinguished Service Citations for contributions to physics teaching. Those honored were Melba N. Phillips of the University of Chicago, C. Luther Andrews of the State University of New York in Albany, R. Bruce Lindsay of Brown University, and Kenneth E. Davis of Reed College in Portland, Ore.

Winners of the AAPT's third biennial competition for new apparatus in the teaching of physics, supported by the Welch Scientific Company, were also announced at the Saturday meeting. In the undergraduate laboratory category, the first prize of \$500 was won by A. P. French of MIT and the \$200 second prize by R. B. Leighton of the California Institute of Technology. Third prizes of \$50 each went to Kenneth W. Billman of MIT and Alan J. Bearden of Cornell University. C. L. Andrews of the State University of New York in Albany, John W. Dewdney of Harvard University, Robert B. Brode of the University of California at Berkeley, and Perry Sprawls of Emory University in Atlanta, Ga., received honorable mention. In the lecture demonstration category, Harold M. Waage of Princeton University received the \$500 first prize and Gary D. Gordon of the Radio Corporation of America the \$200 second prize. Honorable mention went to Hans Bichsel of the University of Southern California at Los Angeles, E. M. Hafner of the University of Rochester, Thomas Fischer of Xavier University, David J. Rose of MIT, and Guenter Schwarz and Lewis V. Eckhart of Florida State University.

Journal for High-School Teachers

The first issue of *The Physics Teacher*, a new publication intended for high-school teachers of physics, is scheduled to appear next month. Published by the American Association of Physics Teachers with the support of a grant from the National Science Foundation, the new journal will be distributed free to about



J. W. Buchta, executive secretary of the American Association of Physics Teachers and editor of the Association's new journal, *The Physics Teacher*.

16 000 high-school physics teachers, to school libraries, and to members of the AAPT who request it. Its editor is J. W. Buchta, professor of physics and dean of the College of Science, Literature, and the Arts of the University of Minnesota and newly appointed executive secretary of the AAPT.

The Physics Teacher will include feature articles written by college and industrial physicists as well as by high-school teachers. Its contents will deal with recent advances in physics, older topics of continuing interest, and matters of special significance to the high-school teacher. Some representative titles from the first issue include Weight and Weightlessness; The Reference Circle in Introductory Physics; Electronic Diffraction, The Work of Davisson and Germer; International Organizations and the Determination and Acceptance of Standards; and Color Experiments in High Schools.

In connection with the executive secretaryship, an office for Dean Buchta has been established at 1201 Sixteenth St., N.W., Washington 6, D. C.

Officers

Lists of officers for this year have been announced by the Electron and the Solid-State Physics Divisions of the American Physical Society, by the New England Section of the APS, and by the Electron Microscope Society of America, an affiliated society of the American Institute of Physics.

The APS Electron Physics Division officers are Vernon Hughes (Yale University), *chairman*; Gerhard L. Weissler (University of Southern California), *vice chairman*; J. Arol Simpson (National Bureau of Standards), *secretary-treasurer*; and Erwin Müller (Pennsylvania State University), *past chairman*. The Division's Executive Committee also includes Ronald Geballe of the University of Washington, Arthur V. Phelps of Westinghouse Electric Corporation, Edgar Everhart of the University of Connecticut, and J. M. Richardson of the National Bureau of Standards.

The officers of the American Physical Society's Solid-

State Physics Division for 1963-64 are Robert W. Morse (Brown University), *chairman*; LeRoy Apker (General Electric Research Laboratory), *vice chairman*; and J. Samuel Smart (International Business Machines Research Center), *secretary-treasurer*. Those who were elected to membership on the Executive Committee of the Division were LeRoy Apker, P. W. Anderson, H. P. R. Frederikse, and A. M. Portis.

Officers of the New England Section of the American Physical Society are Gerald Holton (Harvard University), *chairman*; Clarence E. Bennett (University of Maine), *vice chairman*; John M. Davies (US Army Natick Laboratories), *secretary-treasurer*; and Myron A. Jeppeson (Bowdoin College) and John A. Lockwood (University of New Hampshire), *councillors*.

Officers of the Electron Microscope Society are C. M. Schwartz (Battelle Memorial Institute), *president*; Sydney S. Breese, Jr. (Plum Island Animal Disease Laboratory), *president elect*; Keith R. Porter (Harvard University), *past president*; George G. Cocks (Battelle Memorial Institute), *council secretary*; and Walter J. Frajola (E. A. Hoster Research Laboratory, Columbus, Ohio), *treasurer*. The Society's directors now include Luther E. Preuss, W. C. Bigelow, George E. Palade, David B. Scott, Joseph J. Comer, and Albert E. Vatter.

APS Constitution Amended

Recently adopted amendments to the constitution of the American Physical Society, which are to take effect early next year, call for the addition of a new Society officer, the vice president elect, who will be the highest ranking officer to be elected annually by the APS membership. After serving as vice president elect for one year, he will succeed automatically to the vice presidency in the second year and will assume the presidency in the third year. The amendments also provide for the appointment by the Council of one or more regional secretaries of the Society, the enlargement of the Council itself by the addition of several ex officio members, and an increase in the Council's participation in the affairs of the various Sections and Divisions of the Society. Specifically, the Council will be empowered to review and to approve or disapprove the by-laws proposed for Sections and Divisions as well as the definitions of areas of interest proposed for the Divisions. The Council will appoint one member of their nominating committees, and the dates and places of sectional and divisional meetings are to be chosen in consultation with the Council or its designated representative.

Several changes made in the Society's by-laws have already gone into effect. They deal primarily with the procedures to be followed in contributing papers to meetings of the Society and with the terms under which Society journals will be made available to members. The full text of the amendments to the constitution and to the by-laws has appeared in the *Bulletin of the American Physical Society* (Series II, Vol. 8, No. 2, 1963).