

PUBLISHING NEWS

Phys Rev subscriptions

Beginning in January 1965, members of the American Physical Society will be able to subscribe to either Section A or Section B of *The Physical Review*, or to both together. Domestic members will pay \$17.50 for either section or \$25.00 for both together; foreign members will pay \$21.50 for a single section or \$33.00 for both. Nonmembers may subscribe only to both sections together.

Section A will contain papers on atoms and molecules, fluids, and solids; Section B will cover nuclear and particle physics, relativity, quantum mechanics, classical physics, and related (interdisciplinary) fields. Authors will be asked to suggest an appropriate index category for their work at the time of submittal.

AVS Journal

The American Vacuum Society, which affiliated with the American Institute of Physics last March, has launched its official journal, *The Journal of Vacuum Science and Technology*. Volume One, Number One, September/October, was published for the Society by the AIP on September 22, 1964. As its title implies, the new publication will cover the field in the broad sense, including both basic and applied work relating to or observed at pressures below one atmosphere. Contributed papers describing original research are welcome; recognized authorities in selected fields will be invited to write review articles from time to time—authors contemplating writing such articles should first contact the editor. Communications more limited in scope than full articles are also acceptable. Brief descriptions of new ideas in instrumentation or techniques are particularly desired for this last category. The journal will also contain records of the official functions of the Society.

Manuscripts should be submitted to
D. Alpert, Editor, *Journal of Vacuum*

Science and Technology, Coordinated Science Laboratory, University of Illinois, Urbana, Ill. Instructions regarding the preparation of manuscripts appear on page xxii of the first issue.

The journal will be supplied gratis to Society members in 1964 (excepting postage charges), and will be covered by dues in 1965. Subscription prices for others will be \$5 for 1964, \$14 for 1965 (\$15 outside the US, Canada, and Mexico), and \$2.50 for any individual issue. Subscription, renewal, and back-number orders should be sent to the AIP Circulation Department, 335 East 45th Street, New York, N.Y. 10017.

Rare book collection

The Niels Bohr Library of the American Institute of Physics has received a collection of 800 books, published in the 17th, 18th, and 19th Centuries. The collection, which is concerned mainly with electricity and electrical technology, was given by Bell Telephone Laboratories. It was purchased by BTL from Lloyd Espenschied, a retired Bell scientist.

The collection includes such titles as Otto von Guericke's *Experimentia Nova Magdeburgica de Vacuo de Spatio* (1672), A.-M. Ampère's *Electro-*

dynamiques (1822), G. S. Ohm's *Die Galvanische Kette* (1827), and Michael Faraday's *Experimental Researches in Electricity*, as well as several of the works of Benjamin Franklin and J. H. Winckler. The oldest volume in the collection is the Academia del Cimento's publication, *Saggi*, dating from 1666.

Optical Careers

The Optical Society of America, with the assistance of the National Science Foundation, has published a booklet describing career opportunities in the optical sciences. *Your Career in Optics* was written for the OSA by Daniel I. Cooper. The emphasis is on what is new in the field—lasers and nonlinear optics, electro-optical shutters, fiber optics, recent developments in such fields as spectroscopy and interferometry. It describes an interferometric method of studying the energy-band structure of solids, problems of missile tracking by infrared and visible radiation detection, and the electro-optical star-tracking system used by Stratoscope II. The 24-page booklet provides information on the required training for a career in optics, including the availability of scholarships, fellowships, and grants; job opportunities, including summer employment and the pos-

