

PUBLISHING NEWS

Atomic and molecular data

An Atomic and Molecular Processes Information Center has been established at Oak Ridge National Laboratory. Sponsored jointly by the National Bureau of Standards and the Atomic Energy Commission, the center is part of the National Standard Reference Data Program and will collect, store, evaluate, and disseminate information from all over the world. At first the Center's activities will be limited to atomic and molecular cross-section data and other particle collision process information in three specific areas: (1) the interaction of heavy particles; (2) particle penetration through matter; and (3) excitation, dissociation, ionization, and detachment by external electric and magnetic fields.

The Center will begin full operation about July 1. After that date, inquiries may be addressed to C. F. Barnett, Director, Atomic and Molecular Processes Information Center, Oak Ridge National Laboratory, PO Box Y, Oak Ridge, Tenn.

Antarctic research

The American Geophysical Union has published *Geomagnetism and Aeronomy*, a 200-page volume of results of recent investigations of the ionosphere, geomagnetism, and atmospheric radio noise in Antarctica. The book is the fourth in the Antarctic Research Series, published by the AGU with the support of the National Science Foundation. Edited by Arthur H. Waynick, director of the Ionosphere Research Laboratory at Pennsylvania State University, the volume contains nine papers. Copies can be purchased from the AGU, Suite 506, 1145 19th Street, NW, Washington, D.C., 20036.

Proceedings

The *Proceedings of the International Conference on Nuclear Physics*, held at Paris in July 1964, are being published by the French Centre Na-

tional de la Recherche Scientifique. The meeting, which gathered 900 participants from 32 countries, dealt with five general topics: nuclear forces, nuclear matter, nuclear structure and models, reaction mechanisms, and radioactivity and weak interactions.

Volume 2, which is to appear first, contains all 434 contributed papers, classified by topic. Volume 1 is composed of the thirteen rapports presented in the plenary sessions and the three talks given at the last session (rapports by D. Amati, R. Wilson, R. Nataf, H. A. Bethe, G. E. Brown, M. Baranger, A. K. Kerman, C. Bloch, H. Feshbach, P. E. Hodgson, I. S. Shapiro, G. Bishop, and G. N. Flerov; talks by L. Rosenfeld, A. Bohr, and L. Van Hove), along with general conclusions offered by R. E. Peierls. The proceedings of discussion sections on the spectrometry of alpha particles and the optical model also appear in Volume 1, as well as the speeches given at the Sorbonne in commemoration of the thirtieth anniversary of the discovery of artificial radioactivity (J. Roche, E. Amaldi, F. Perrin, D. V. Skobelzyne, and H. C. Urey).

The two volumes can be ordered for \$25 from Editions du Centre National de la Recherche Scientifique, 15 quai Anatole-France, Paris 7, France.

Scientific biography

On February 23, the National Science Foundation granted more than a quarter million dollars to the American Council of Learned Societies for the production of a reference work in the history of science to be called the *Dictionary of Scientific Biography*. The *Dictionary* will be published in four or five volumes and will contain approximately 2600 essays describing the careers and achievements of scientists and mathematicians of all periods and all nationalities. The intention of the compilers of the new work is to make the

findings of contemporary research in the history of science available in a single comprehensive reference so that they may be more easily used by students, teachers, and writers.

Charles C. Gillispie, professor of history of science at Princeton University, will serve as editor-in-chief of the project; Charles Scribner's Sons of New York will be the publisher. Associate editors of the *Dictionary* include Carl B. Boyer, professor of mathematics at Brooklyn College; Marshall Clagett, professor of history at the Institute for Advanced Study in Princeton; Thomas S. Kuhn, professor of history of science at Princeton University; Leonard G. Wilson, associate professor of history of medicine at Yale University; and Harry Woolf, professor of history of science at Johns Hopkins University. Joseph G. E. Hopkins, managing editor of the *Concise Dictionary of American Biography*, will be managing editor of the new *Dictionary*. Further information about the project can be obtained from Edward White, Charles Scribner's Sons, 597 Fifth Ave., New York, N.Y., 10017.

Air Force research

The Historical Division of the Office of Aerospace Research, US Air Force, has published a 77-page paperback volume entitled *Cadmium Sulfide: A History of Semiconductor Research at the Aerospace Research Laboratories*. Written by Nick A. Komons, the booklet represents the addition of topics on basic and applied research to the operational topics that have formed the principal subject matter of the Air Force historical program up to the present. The work is for sale by the Superintendent of Documents, US Government Printing Office, for forty cents.

New journals

The first issue of the new quarterly *Metrologia*, an international journal for scientific metrology, appeared in January. The new journal is the official organ of the International Committee of Weights and Measures, for which it is published by Springer-Verlag of Berlin and New York under