

MEETINGS

AAAS Physics Program

Section B (Physics) of the American Association for the Advancement of Science will hold its sessions during the forthcoming annual meeting in Philadelphia on Saturday, December 29, in the Lecture Room of the Franklin Institute.

The morning session, under the chairmanship of Marsh W. White, vice president for physics of the AAAS, will be devoted to invited papers on college physics teaching. Vincent E. Parker, president-elect of the American Association of Physics Teachers, will outline the extensive educational program carried out by the AAPT. Walter C. Michels, chairman of the Commission on College Physics, will talk on the work of the Commission. William C. Kelly of the American Institute of Physics will speak on the AIP's physics manpower program. N. H. Frank of the Massachusetts Institute of Technology will describe the program of the Science Teaching Center at MIT.

Following the annual physicists' luncheon, also to be held at the Franklin Institute, an informal account of the program of the International Atomic Energy Agency will be given by Henry D. Smyth, most recent past vice president for physics of the AAAS.

The afternoon session will feature short contributed papers related to physics teaching. Last-minute applicants for a place on this program should send 100-word abstracts, by December 1, to the secretary of Section B, Dr. Stanley S. Ballard, Department of Physics and Astronomy, University of Florida, Gainesville, Florida.

Manpower

Prominent features of the annual meetings of the American Association for the Advancement of Science have been the manpower conferences sponsored by the National Science Foundation, the Engineering and Scientific Manpower Commissions, and the National Research Council. These have dealt with a number of current issues over the years relating to engineers and scientific manpower. Another such conference, with a number of additional sponsors, will be held on December 28 in Philadelphia in connection with this year's AAAS meetings.

The 1962 manpower conference will focus on programs of local action to stimulate interest in the sciences and engineering on the part of students, particularly in the nation's secondary schools. In the face of widespread concern at the present time over increasing demands for trained personnel, on the one hand, and unsatisfactory enrollment trends, on the other, there is a general consensus that remedial action must depend heavily on activities carried out in individual

communities. Some local efforts appear to have been quite successful, and a number of reports of such activities will form the major presentations at the conference, with discussions to follow of the significant elements involved in successful local action and in the interaction between education and the professional and industrial community. Community organizations, professional scientific and engineering societies, local sections and committees, and other groups dealing with such problems at the local level are invited to send delegations.

Inquiries should be directed to Dr. M. H. Trytten, Director of the Office of Scientific Personnel, National Academy of Sciences, National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

Meteorology

Sessions on the general circulation of the earth's atmosphere, fluid-model experiments in geophysics, studies of the East-Coast cyclone of March 1962, theoretical turbulence, and dynamic weather prediction are being arranged by the program committee for the 43rd annual meeting of the American Meteorological Society. The meeting will be held January 21-24, 1963, in New York City, and its traditional joint session with the Institute of the Aerospace Sciences will also include invited papers on interactions between airborne vehicles and the atmosphere.

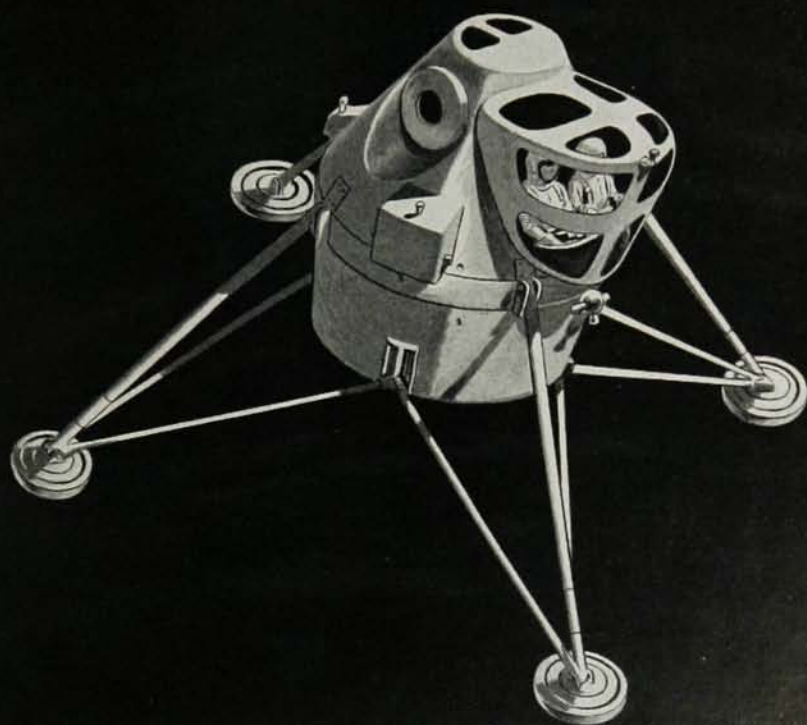
For further information, write to the American Meteorological Society, 45 Beacon Street, Boston 8, Mass.

High Temperatures

Columbia University's Department of Civil Engineering and Engineering Mechanics is organizing an international conference on elevated-temperature mechanics to be held in New York City early next year under the sponsorship of the Structural Mechanics Branch of the Office of Naval Research. The meeting, which will take place January 23-25 in the University's Havemeyer Hall, will be the third in a series of symposia on naval structural mechanics. The first two were held at Stanford and Brown Universities, respectively.

The three sessions of the meeting at Columbia will cover the material aspect in elevated-temperature design, heat conduction and stress analysis, and reliability and design criteria. Because of space limitations, attendance at the conference will be by invitation and will be limited to participants who are actively engaged in elevated-temperature research or design.

Further information can be obtained by writing to



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Fast-Neutron Physics

Recent developments in fast-neutron physics will be reviewed at an international conference to be held from February 26 to 28 at Rice University as part of that institution's semicentennial celebration in 1963. The conference is also intended to honor the memory of the late Tom W. Bonner, an internationally recognized authority in the field of neutron physics who served as chairman of the Rice Physics Department from 1947 until his death in December of last year.

The conference will immediately precede the joint meeting in Houston of the American Physical Society and the Mexican Physical Society, which will be held on the Rice campus from February 28 to March 2. The program of the conference on fast-neutron physics will include a historical and memorial session of invited papers by Sir John Cockcroft of Cambridge University, R. G. Herb of the University of Wisconsin, and E. Bretscher of Harwell, followed by a memorial ceremony in honor of Prof. Bonner. The other sessions will be devoted to papers organized under the following categories: neutron sources, spectra, and thresholds; neutron-induced reactions and inelastic scattering; elastic scattering and resonance; and polarization studies.

Further information can be obtained by writing to Dr. G. C. Phillips, Physics Department, Rice University, Houston 1, Texas.

Mass Spectrometry

The Eleventh Annual Conference on Mass Spectrometry and Allied Topics, organized by Committee E-14 of the American Society for Testing and Materials, will take place May 14-19 at the Sheraton-Palace Hotel in San Francisco. In addition to sessions of contributed papers, the program will include four half-day symposia devoted respectively to invited papers on the following four main topics: (1) theoretical problems related to mass spectrometry, (2) certain phenomena in collision mass spectrometry, (3) applications of high-resolution mass spectrometers, and (4) mass spectral studies of high-temperature inorganic processes.

Bound volumes of preprints will be available to those attending the conference. The deadline for submitting abstracts of contributed papers is February 1. Abstracts and papers should be sent to N. D. Coggeshall, Gulf Research & Development Co., P.O. Drawer 2038, Pittsburgh 30, Pa.

Microwave Theory and Techniques

A call for papers has been issued for the 1963 National Symposium of the Institute of Radio Engineers' Professional Group on Microwave Theory and Tech-