

MEETINGS

High-Energy Physics

The Harvard University Physics Department will act as host for the spring meeting of the New England Section of the American Physical Society, which is to be held on Saturday, March 30, at the Jefferson Physical Laboratory in Cambridge, Mass. All physicists in the area are invited to attend.

Contributed papers on current research in physics will be presented during the morning session, and the afternoon will be devoted to the fifth in the series of special sessions arranged by the Section as part of its meetings to acquaint physicists with developments in fields other than those in which they may be expert. This tutorial session will be concerned with research in high-energy physics in the Cambridge area and will include the following speakers: Bernard T. Feld (MIT), major puzzles and experiments in high-energy physics; Richard Wilson (Harvard), scattering experiments; Karl Strauch (Harvard), bubble-chamber work in pion physics; David O. Caldwell (MIT), spark-chamber work; and Louis S. Osborne (MIT), photoproduction of pions. Arrangements have been made for a tour of the new Cambridge Electron Accelerator following the talks.

The 1962-63 officers for the New England Section of the APS are: *chairman*, Gerald Holton of Harvard; *vice chairman*, Clarence Bennett of the University of Maine; and *secretary-treasurer*, John M. Davies of the US Army Natick Laboratories. Inquiries concerning the New England Section and the meeting should be sent to Professor Gerald Holton, Lyman Laboratory of Physics, Harvard University, Cambridge 38, Mass.

Inert-Gas Compounds

Argonne National Laboratory is holding a conference on compounds of the inert gases on April 22 and 23. The tentative program includes the history of attempts at preparing inert-gas compounds, their physical properties and structure, and their chemical behavior. Theoretical implications of chemical-bond formation in inert gases will be discussed, and a session is planned on the possible practical aspects of the existence of stable inert-gas compounds, including their possible influence on reactor fuel-element design.

For further information write to Herbert H. Hyman, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Ill.

Combustion

The Western States Section of the Combustion Institute has announced that it will hold two meetings in California this year.

The spring meeting, sponsored by General Dynamics/Astronautics, will take place April 29 and 30 at the Vacation Village Motel on Mission Bay in San Diego. Special attention at this meeting will be given to the kinetics of condensation and nonequilibrium processes in exhaust nozzles.

August 15 has been set as the abstract deadline for the Section's fall meeting, tentatively scheduled to meet October 28 and 29 at the University of Southern California. Special subjects to be discussed are the properties and reactions of ozone and free-radical reaction mechanisms and chemical kinetics.

Abstracts and inquiries concerning either meeting should be sent to the Office of the Secretary, Combustion Institute Western States Section, 16902 Bollinger Drive, Pacific Palisades, Calif.

The Manned Space Laboratory

On May 2, the last day of the Aerospace Medical Association's annual meeting, the Association and the American Rocket Society will join in sponsoring a broad conference on the manned space laboratory which the United States is expected to develop in the period 1963-64. The laboratory will be considered to have a zero-gravity research capability, approximately a 300-mile circular earth orbit, and a lifetime of one year or more. The program will cover the various practical aspects of living in such an environment, as well as proposals involving experimental programs, logistic support, operations, and personnel.

Further information can be obtained from the American Rocket Society, 500 Fifth Avenue, New York 36, N. Y.

Single-Crystal Films

A three-day conference on the growth and properties of single-crystal films will be held May 13-15 at the Philco Scientific Laboratory under the joint sponsorship of Princeton University's Solid-State and Materials Laboratory, the University of Pennsylvania's Laboratory for Research on the Structure of Matter, and the Philco Corporation. The objectives of the meeting are to review previous experimental and theoretical studies of the origins of structural anisotropy in thin films and to present and discuss current research on the structural and physical (e.g., electrical and magnetic) properties of epitaxial films.

April 15 has been set as the deadline for receiving abstracts of contributions to the conference. Both ab-