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 pi mesons. 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.

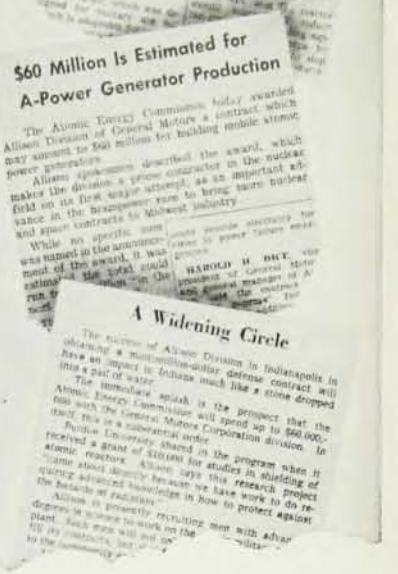
Single-Crystal Films

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-

Allison Will Build Mobile Atom Plant

Allison Awarded Atomic Contract



Multimillion-Dollar MCR Program at Allison Creates Opportunities for Scientists, Physicists, Engineers

Award of the multimillion-dollar contract to Allison y the Atomic Energy Commission for construction of a obile Military Compact Reactor (MCR) creates immeate need for additional, well-qualified SENIOR SCIENSTS, NUCLEAR ENGINEERS, PHYSICISTS and CHEMISTS.

Objective of the high priority, long-range nuclear proam is the design, construction and operation of an xtremely mobile, compact nuclear powerplant capable f generating 3000 kw. of electricity. The plant will have a high temperature, liquid metal-cooled reactor coupled to a power conversion system. In addition to its military use, the MCR could serve as a power source in civilian defense and power failure emergencies.

Allison—the energy conversion Division of General Motors—was selected by the AEC as prime contractor on the basis of company capability to act as systems manager for the complete project.

Advanced degrees and extensive experience required to fill these specific positions:

Senior Physicists and Engineers	To head groups in NUCLEAR SYSTEMS ENGINEERING • NUCLEAR REACTOR DESIGN
Senior Scientists and Engineers	To head groups in the field of advanced propulsion and power systems. Specific areas involved are: SYSTEMS ANALYSIS • SYSTEMS APPLICATIONS • COMPONENT ANALYSIS
Senior Scientists Physicists and Chemists	To head groups in the applied sciences section of our Research Activity. Specific openings are in SOLID STATE PHYSICS and PHYSICAL CHEMISTRY SECTIONS
Senior Scientists and Engineers	For key positions in Engineering Research: HEAT TRANSFER SPECIALISTS • PHYSICISTS • DIRECT CONVERSION DEVICE SPECIALISTS

Allison

THE ENERGY CONVERSION DIVISION OF GENERAL MOTORS, INDIANAPOLIS, INDIANA

Send your resume TODAY, or write to: Mr. V. A. Rhodes, Professional and Scientific Placement, Dept. 1206, Allison Division, General Motors Corporation, Indianapolis 6, Indiana.

An equal opportunity employer

stracts and requests for additional information about the program should be sent to Dr. M. H. Francombe, Philco Scientific Laboratory, Blue Bell, Pa.

Space Plasmas

Catholic University of America has announced plans for a four-day symposium on plasma space science to be held on the University's campus in Washington, D. C., from June 11 to 14. Partially supported by the National Aeronautics and Space Administration and its subsidiary, the Goddard Space Flight Center, the meeting will concentrate on plasma space phenomena of direct interest to the project for manned flight to the moon. During the first two days, the program will deal with various solar phenomena, including sunspots, solar flares, and cosmic-ray showers. Discussions on natural and artificial radiation belts and their recent measurements will occupy the third day, and the final sessions of the symposium will be devoted to papers on the interaction of solar plasma with the lunar and earth atmospheres. The list of speakers, invited from institutions in the United States and abroad, will include astrophysicists, geophysicists, and plasma physicists. One-hour discussion periods on the basic issues of the presentations will be held at the end of each day's program.

Immediately before the symposium, during the period from June 3 to 10, the University will present a series of preparatory lectures on plasma physics for scientists and engineers who wish to review the theoretical basis of the field before attending the symposium.

For further information, contact Professor C. C. Chang, Director, Plasma Space Science Laboratory, Catholic University of America, Washington 17, D. C.

Vacuum Technology

Process and extractive metallurgy has been selected as the main theme of a conference on vacuum metallurgy that will meet June 17 and 18 under the auspices of the Vacuum Metallurgy Section of the American Vacuum Society. The conference will take place at the Sheraton Motor Inn in New York City.

On October 16, 17, and 18, the Society will hold its tenth annual symposium at the Statler-Hilton Hotel in Boston. The symposium will include an exhibition of high-vacuum equipment and instruments. The program will consist of papers on high vacuum and its applications. Abstracts, limited to 100 words, should be sent to Dr. George Bancroft, 398 Kilbourn Road, Rochester 18, N. Y.

For additional details on these meetings, write to the American Vacuum Society, Box 1282, Boston 4, Mass.

Computers

The Denver Research Institute will hold its tenth annual symposium on computers and data processing at the Elkhorn Lodge in Colorado's Estes Park on June