

MEETINGS

Nuclear Science

GAMMA-RAY transition probabilities, moments of excited nuclear states, and nuclear theory applicable to both the interpretation of experimental results and to the predictions of the electromagnetic properties of nuclear states from nuclear models are among the topics to be discussed at an invited conference on Electromagnetic Lifetimes and Properties of Nuclear States to be held October 5-7 in Gatlinburg, Tenn. The meeting will be sponsored by the Subcommittee on Nuclear Constants of the NAS-NRC Committee on Nuclear Science, the Atomic Energy Commission, and the Oak Ridge National Laboratory.

Persons wishing to participate should write to D. M. Van Patter, Bartol Research Foundation, Swarthmore, Pa.

Vacuum Science and Technology

ATENTATIVE program has been released by the program committee for the Eighth Annual Symposium of the American Vacuum Society, which will convene jointly with the Second International Congress of the International Organization for Vacuum Science and Technology (October 16-19) at the Sheraton-Park Hotel in Washington, D. C.

Several general technical sessions are planned which will deal with subjects as vacuum equipment (including pumps), vacuum measurements and mass spectrometry, ultra-high vacuum, evaporation and thin films, applied and theoretical studies, and space simulation and other vacuum applications. There will also be special sessions on sputtering, limitations in attaining UHV, adsorption, and vacuum metallurgy.

In addition to the technical sessions, which will be held under the Society's auspices, the International Organization for Vacuum Science and Technology will present an exhibit of high-vacuum equipment. Further information about the Symposium and Congress can be obtained by writing to A. Nerken, Vacuum-Electronics Corporation, Terminal Drive, Plainview, Long Island, N. Y.

Geomagnetics

THE University of Texas will act as host to both the Conference on Telluric and Geomagnetic Field Variations, sponsored by the International Scientific Radio Union (URSI), the University of Texas, and the Office of Naval Research, which will take place October 20-21, and the joint URSI-IRE fall meeting which will follow on October 23-25. The Geomagnetic Conference, primarily concerned with geomagnetic and telluric phenomena in the frequency range from 0.001 to 30 cycles per second, will present papers on refraction, scattering, absorption, emission, etc., in the troposphere;

surface and subsurface waves; terrain return from earth, lunar, and planetary surfaces; and nonionized planetary atmospheres, as well as other related topics. Inquiries regarding the conference should be addressed to F. X. Bostick, University of Texas, Austin, Texas.

Solid-State Circuits

ACALL for papers has been issued for the 1962 International Solid-State Circuits Conference to be held February 14-16, 1962 at the University of Pennsylvania and the Sheraton Hotel in Philadelphia. Sponsored by the Institute of Radio Engineers, the American Institute of Electrical Engineers, and the University of Pennsylvania, it is the ninth annual meeting of its kind.

The sponsors request papers representing original contributions on the subjects of circuit properties and design techniques relating to solid-state devices in the following areas: (1) memory, storage, and logic; (2) microwave amplification, oscillation, and conversion; (3) devices performing an integrated circuit function; (4) unconventional power supplies; (5) cryogenic applications; (6) optoelectronic applications; and (7) advanced circuitry.

Abstracts of 300 to 500 words (which can be accompanied by key illustrations) should be prepared in a form suitable for immediate reproduction and submitted by November 1 to Richard H. Baker, Room C-237, MIT Lincoln Laboratory, Lexington, Mass. They should be accompanied by the author's name, affiliation, address, and telephone number on the first page, and name and abbreviated title of the paper on succeeding pages.

Spectroscopy and Chemistry

SYMPOSIA on electron-paramagnetic and nuclear-magnetic resonance, the chemical analysis of metals, gas chromatography, spectroscopic studies of polymers, and Raman, emission, vacuum, molecular, and x-ray spectroscopy will make up the program of the Thirteenth Annual Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy to be held March 5-9, 1962, at the Penn-Sheraton Hotel in Pittsburgh. The meeting, sponsored by the Analytical Chemistry Group of the Pittsburgh Section of the American Chemical Society and the Spectroscopy Society of Pittsburgh, will also present an exposition of modern laboratory equipment displaying the products of more than 100 manufacturers.

A limited number of papers, which may subsequently be published in *Analytical Chemistry* or *Applied Spectroscopy*, will be accepted for presentation at the meeting. Abstracts of not more than 150 words must be submitted in triplicate by October 16, 1961 on an official