

# MEETINGS

## *APS-AAPT New York Meeting*

The annual joint meeting of the American Physical Society and the American Association of Physics Teachers will be held January 27-30 at the Statler Hilton and New Yorker Hotels in New York City. The registration desk and message center will be located on the Ballroom floor of the headquarters hotel, the Statler Hilton.

This year's Physical Society program provides for eight simultaneous sessions in each of a total of nine morning, afternoon, and evening periods, in addition to the business meeting of the APS, the joint ceremonial session of the two organizations, and the banquet. It is also likely that the number of simultaneous sessions in certain of these periods will be increased to accommodate ten-minute postdeadline papers, which will be considered for inclusion in the program if abstracts are received at the Society office by January 22. Some 730 contributed papers and upwards of fifty invited papers are scheduled. There will be two "general interest" sessions of invited papers, a group of papers on nuclear reactions leading to a three-body state, and symposia on electron physics, acoustics, and the history of physics. The history session will consist of papers by Charles Weiner of the American Institute of Physics, Gerald Holton of Harvard, and Thomas S. Kuhn of Princeton.

The AAPT program will consist of more than sixty contributed and invited papers. There will be three symposia: experiments in laboratory teaching; international physics education; and liberal arts physics. On Saturday, January 30, there will be a report (followed by an open discussion) from the Joint AAPT-AIP Committee on Physics Faculties in Colleges (COP-FIC). The AAPT's business session, also on Saturday, will include the presentation of distinguished service citations.

The Joint Ceremonial Session will be held the afternoon of the 28th. R.

F. Bacher, in his address as retiring president of the Physical Society, will discuss the photoproduction of mesons and hyperons; the AAPT will present its Oersted medal to Philip Morrison; and the Association's 24th Richtmyer Memorial Lecture will be given by W. M. Fairbank, whose subject will be, "Near Zero: A Frontier of Physics." Highlights of the joint banquet on the 29th will be the presentation of the Physical Society's Oliver E. Buckley Solid-State Physics Prize and an after-dinner address by S. A. Goudsmit, managing editor of the APS.

In conjunction with the meeting, the American Institute of Physics will again conduct a placement service register to facilitate employment interviews. The AIP is also organizing its thirteenth exhibition of physics instruments, apparatus, materials, books, periodicals, and teaching equipment. (A listing of the more than one hundred exhibitors will be found on pages 85-88 of this issue.) The AAPT Apparatus Committee will conduct its fourth biennial competition for new physics-teaching apparatus under joint AAPT-AIP sponsorship. These events will take place in the Statler Hilton.

## *APS Divisions*

Two Divisions of the American Physical Society have announced that they will hold meetings during general APS meetings this year.

The Division of Electron Physics has planned a symposium to be held during the January 27 to 30 meeting in New York City, covering ion-molecule interactions (drift speed and mass spectrometric studies), crossed-beam experiments on charged-particle-charged-particle reactions, coincidence measurements in atomic-collision studies, and electron-atom and electron-molecule scattering theory, circa 1964. Further information can be obtained from Dr. J. Arol Simpson, 103 West Building, National Bureau of Standards, Washington, D. C.

The Division of High-Polymer Physics will hold its 25th meeting during the APS meeting in Kansas City, Mo., from March 24 to 27. Information regarding the Division's program can be obtained from Professor Anton Pe-

terlin, Camille Dreyfus Laboratory, Box 490, Durham, N. C.

## *Space probes*

The American Astronautical Society has announced plans to meet from February 8 to 10 at the Denver Hilton Hotel in Denver. This meeting, which will be cosponsored by the American Astronomical Society, the American Geophysical Union, the American Institute of Biological Sciences, the Institute of Electrical and Electronics Engineers, and the American Institute of Aeronautics and Astronautics, will deal with the problems involved in the unmanned exploration of the solar system. The program will cover general objectives, interplanetary space, instruments and launch vehicles, atmospheric phenomena, objectives and design of life-sciences experiments, communications, and guidance.

For further information, write to the American Astronautical Society, PO Box 366, Littleton, Colo.

## *NMR*

The sixth experimental nuclear magnetic resonance conference will take place February 25 to 27 at the Mellon Institute in Pittsburgh. Sessions are being planned on signal-to-noise improvement techniques, multiple resonance, superconducting solenoids, etc. Most of the papers will be invited, but provision is being made for a limited number of contributed papers.

Inquiries should be directed to B. L. Shapiro, Department of Chemistry, Illinois Institute of Technology, Technology Center, Chicago, Ill.

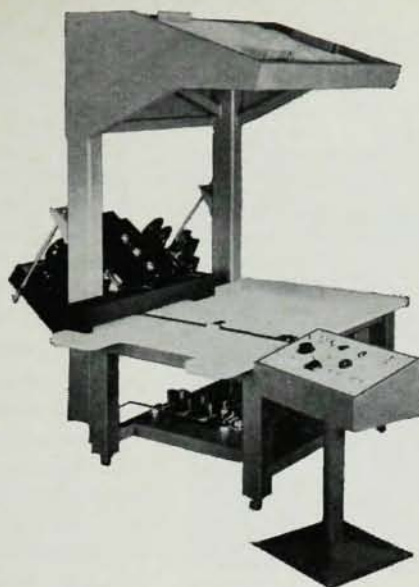
## *Spectroscopy*

The twelfth annual conference of the Western Spectroscopy Association will meet February 4 and 5, 1965, at Asilomar, Calif. The program will be divided into four sessions dealing with the following topics: spectroscopy with lasers, molecular vibrations, molecular spectroscopy of planets and stars, and nonradiative energy transfer.

Additional details can be obtained from Maurice W. Windsor, Head,

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### OSA

The Optical Society of America's spring meeting will be held from March 31 to April 2 at the Statler-Hilton Hotel in Dallas. Topics to be covered at the meeting will include: (1) new and unusual infrared materials, (2) light modulation and demodulation of laser beams, (3) terrestrial and extraterrestrial observations of the solar corona, (4) accelerator-excited optical spectra and lifetime measurements in highly ionized particles, (5) properties and limitations of astronomical image intensifiers, (6) air fluorescence excited by high-altitude nuclear events, (7) quasars, and (8) polarization interferometers for measuring lens aberrations and optical transfer functions.

Other events of the meeting will include an exhibit of optical instruments and materials and visits to plants and laboratories in the Dallas area.

Arrangements for the instrument exhibit are under the direction of Dr. William Flynt, Varo, Inc., 2201 Walnut Street, Garland, Tex. Other inquiries concerning the meeting should be sent to Dr. Mary E. Waga, Executive Secretary, Optical Society of America, 1155 Sixteenth Street, NW, Washington, D. C.

### Phase transitions

The National Bureau of Standards, with the aid of the National Science Foundation, is planning a conference on phenomena in the neighborhood of critical points which is to be held April 5 through 9, 1965, in Washington, D. C. The meeting is intended to bring together both experimentalists and theorists and will cover liquid-vapor, liquid-mixture, magnetic, solid-solution, and order-disorder transitions; light, x-ray, and neutron scattering; and ultrasonic propagation.

All correspondence should be addressed to M. S. Green, Chief, Statistical Physics Section, National Bureau of Standards, Washington, D. C.

### Molecular relaxation

The British Chemical Society has announced that it is organizing a symposium on molecular relaxation processes, to be held July 7 to 9 at the Edward Davies Chemical Laboratory in Aberystwyth, Wales. The meeting's program will be grouped around the following topics: dielectrics, ultrasonics, nuclear magnetic resonance, and electron spin resonance.

Accommodations will be available at the University Halls of Residence in Aberystwyth. Application forms will be obtainable in April from The General Secretary, The Chemical Society, Burlington House, London, W 1, England.

### Quantum electronics

The Office of Naval Research will hold a conference on the physics of quantum electronics in San Juan, P.R., from June 28 to 30, 1965. The intent of this conference is to select from the broad area of quantum electronics fundamental aspects of physics, as contrasted to applications and technology, and to gather together a group of 150-200 active scientists to discuss recent accomplishments in theory and experiment and new possibilities in this field of research. Among the areas of discussion will be nonlinear phenomena, including harmonic generation, mixing, Raman and Brillouin effects, and multiphoton absorption; breakdown in gases; spectroscopy with lasers; and fundamental experiments with lasers. Also to be discussed are the theory of laser oscillators and amplifiers, problems of coherence and noise, excitation processes, relaxation mechanisms, spectroscopy of laser materials, and semiconductor lasers (including methods of population inversion, recombination, stimulated emission, the effects of electric and magnetic fields, and the stimulated emission of photons).

Preliminary versions of contributed papers, or detailed abstracts, are due by March 15. Both manuscripts and requests for further information should be sent to Dr. P. L. Kelley, Secretary, Physics of Quantum Electronics Conference, MIT Lincoln Laboratory, Lexington, Mass.