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College Physicists Colloquium

THE twenty-first annual Colloquium of College Physicists and the Associated June Lectures will be held June 17-20 at the State University of Iowa in Iowa City. The colloquium, organized with the support of the National Science Foundation, will consist of lectures on developments in contemporary physics and round-table discussions on the teaching of physics and on other current problems of the physics-teaching profession. One evening will be devoted to an exhibit of original demonstration equipment and other teaching devices prepared by the participants. Registration is without fee.

The Associated June Lectures will be given by Thomas Gold of the Harvard College Observatory on "Magnetic Fields and Particles in the Solar System" and "The Large-Scale Structure of the Universe".

Further information may be obtained from Dr. J. A. Van Allen, Department of Physics, State University of Iowa, Iowa City, Ia.

APS West Coast Meeting

THE 1959 "West Coast" summer meeting of the American Physical Society (August 27-29) will be held a bit west of the mainland at the University of Hawaii in Honolulu. The University's Physics Department will be the host for the meeting and the sessions will be held on the campus.

The agenda will include symposia featuring invited papers on low- and high-energy nuclear physics, solid-state physics, resonance physics, theoretical physics, and atmospheric and cosmic-ray physics. The deadline for contributed papers for the Honolulu meeting is July 1. Abstracts (one page, 200 words) should be sent in duplicate to the Society's secretary for West Coast meetings, Prof. William A. Nierenberg, Department of Physics, University of California, Berkeley 4, Calif., from whom further information may be obtained.

Among the hotels listed as being in the Waikiki area and within taxi range of the University are the Princess Kaiulani Hotel ("the closest thing to an official hotel" for the meeting) and the Moana, Islander, Edgewater-Reef, Waikiki Biltmore, and Hawaiian Village Hotels. Reservations should be sent directly to the hotels. A limited amount of dormitory space will be available for the meeting at a charge of \$10 per person for the three-day period and requests should be made directly to the chairman of the local committee, Prof. K. Watanabe, Department of Physics, University of Hawaii, Honolulu.

Electron Microscopy

SPECIAL symposia on "Contributions of Electron Microscopy of Viruses and Cells to the Problem of Cancer", "Elementary Techniques of Electron Microscopy from the Point of View of Experts", and "Problems in the Electron Microscopy of Ceramic Materials" will be presented during the 17th annual

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meeting of the Electron Microscope Society of America, to be held September 9-12 at The Ohio State University in Columbus.

In addition to the symposia, there will be the usual sessions of contributed papers (deadline for abstracts is June 1) and exhibits of relevant instruments. Further information on the exhibits is available from the local chairman, Walter J. Frajola, N205 North Wing, University Hospital, Ohio State University, Columbus, Ohio. Information on the technical program may be obtained from the program chairman, Sydney S. Breese, Jr., Plum Island Animal Disease Laboratory, Greenport, L. I., N. Y.

Quantum Electronics—Resonance Phenomena

BASIC problems in physics and electronics which are important to the use of molecular and atomic resonances in masers, atomic clocks, and related devices, as well as the application of "quantum electronics" to scientific problems, will be under discussion this summer at an international Conference on Quantum Electronics—Resonance Phenomena. Sponsored by the Office of Naval Research, the meeting is to be held September 14-16 at the Shawanga Lodge in Bloomingburg, N. Y.

Among the specific topics to be covered are paramagnetic resonances and relaxation, frequency and time standards based on atomic or molecular resonances, low-noise amplification by stimulated emission, optical spectroscopy of paramagnetic salts, generation of millimeter waves by maser techniques, application of cyclotron resonances in solids to electronics, generation, amplification, and detection of infrared or optical radiation by resonance techniques, and applications of quantum electronics to radio astronomy, high-resolution spectroscopy, and tests of relativity. Since the meeting is intended to be a working conference rather than a tutorial gathering, attendance will be limited to those who are active in the relevant fields of research.

Members of the Steering Committee are G. Birnbaum, N. Bloembergen, R. H. Dicke, C. Kittel, R. Kompfner, B. Lax, I. Rowe, A. E. Siegman, G. J. Stanley, M. W. P. Strandberg, and the chairman, C. H. Townes (Department of Physics, Columbia University, New York 27, N. Y.), from whom further information may be obtained.

Vacuum Technology

ALL phases of vacuum science, including basic theory, small- and large-scale applications, processes, equipment, and components, will be covered at the American Vacuum Society's Sixth National Symposium on Vacuum Technology to be held October 7-9 at the Sheraton Hotel, Philadelphia, Pa.

Deadlines of June 15 and August 15, respectively, have been set for the receipt of abstracts and complete manuscripts of contributed papers. All papers presented will be published in the *Transactions* of the society. Prospective authors and those wishing further information on the meeting should contact the program chair-