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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. Wurga, 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.