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of the interactions, and (6) field theoretical interpretation of high-energy nuclear collisions. These subjects will be reviewed in approximately nine invited papers, and ample time will be available for discussion and short contributed papers.

Those wishing to contribute papers should communicate with the Conference Secretary, D. H. Perkins, H. H. Wills Physical Laboratory, Royal Fort, Bristol 8, England. Requests for additional information should be sent to the Administration Assistant, The Institute of Physics and The Physical Society, 47 Belgrave Square, London, S.W. 1, England.

Microwave Theory and Techniques

The Institute of Radio Engineers has announced plans for a millimeter and submillimeter conference to be held January 8-10 in Orlando, Fla., under the sponsorship of the local IRE section, with the assistance of the Orlando chapter of the IRE Professional Group on Microwave Theory and Techniques.

The three-day meeting will be divided into eleven sessions: (1) millimeter and submillimeter transmission lines; (2) quasi-optical techniques; (3) millimeter sources and stability considerations; (4) resonant structures; (5) components and power measurements; (6) receivers; (7) harmonic generation and detection techniques; (8) millimeter spectroscopy; (9) millimeter masers (including optical pumping with millimeter outputs and multiple quantum transitions); (10) panel discussions on millimeter pulse work, plasmas, measurements and instrumentation, phase locking and frequency control; and (11) open discussions on current work and future trends in the field.

Requests for additional details with regard to the meeting should be addressed to J. W. Dees, Martin Co., MP-172, P. O. Box 5837, Orlando, Fla.

Solid-State Circuits

The Tenth annual International Solid-State Circuits Conference, sponsored jointly by the Institute of Radio Engineers, the American Institute of Electrical Engineers, and the University of Pennsylvania, will meet February 20-23, 1963, on the campus of the University and at the Sheraton Hotel in Philadelphia. The meeting is expected to deal with the following areas: (1) solid-state microwave amplification, oscillation, and conversion; (2) solid-state data storage and logic; (3) significant circuit developments providing improvements in bandwidth, gain, noise figure, stability, or reliability; (4) solid-state devices performing an integrated circuit function; (5) microcircuit techniques for improved system performance and reliability; (6) new devices and device characterization; (7) solid-state techniques for adaptive systems; (8) quantum electronics, including maser and optical-maser techniques; (9) cryogenics; and (10) optoelectronics.

Short (35-word) abstracts and summaries (300-500 words) of contributed papers must be submitted by

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It may also be possible to invite a limited number of physicists from non-Member States through facilities provided by the Ford Foundation.

Enquiries and requests for application forms should be sent to R. W. Penney, CERN, Meyrin, Geneva-23, Switzerland.

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November 1 to the secretary of the Program Committee, A. K. Rapp, Philco Scientific Laboratory, Blue Bell, Pa.

Stereology

The first international congress for stereology (dealing with the three-dimensional interpretation of flat images) will be held April 18-20, 1963, in Vienna. Sponsored by the International Society for Stereology, the meeting will deal specifically with problems arising in microscopy and astronomy.

The program is expected to include papers on the history and methods of stereology, application of stereology in astronomy, quantitative stereology applied to organic substances, and stereological reconstruction in organic microscopy, as well as selected short lectures on other stereographic topics and free discussion on the theory, practice, and results of stereology.

Requests for additional information concerning the meeting should be directed to K. H. Spitzzy, Viennese Academy of Medicine, Alserstrasse 4, Vienna 9, Austria.

Radar Meteorology

Washington, D. C., will be the site of the Tenth Weather Radar Conference of the American Meteorological Society, which is to be held April 22-25, 1963, under the joint sponsorship of the US Weather Bureau and the District of Columbia branch of the Society. Papers on all phases of radar meteorology are invited, especially those on new applied techniques for use in radar weather observations. Other areas of interest include synoptic and mesoscale interpretations, echo interpretations with direct application to forecasting, interpretations applicable to severe-weather warnings and hydrology, cloud and precipitation physics, clear-air echo detection, and weather-radar instrumentation.

Abstracts and titles of papers must be received by January 1, and a final draft of each paper, together with illustrations suitable for direct reproduction in the *Proceedings* of the Conference, must be received by March 1. The time allowed for presentation of papers, will, in most cases, be limited to 15 minutes. All correspondence should be sent to Stuart G. Bigler, Chief, Radar Unit, US Weather Bureau, Washington 25, D. C.

Dielectric Liquids

The Electronics Group of Britain's Institute of Physics and Physical Society is arranging a conference on electronic processes in dielectric liquids to be held April 23-25, 1963, at the University of Durham. The sponsors hope to discuss the whole field of electrical conduction processes and breakdown in dielectric liquids, such as simple hydrocarbons, liquid gases (including helium), and purified insulating oils. Offers of 20-minute papers, together with three copies of 100-150-word abstracts, should be sent by November



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