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