

# Announcements

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## MICROWAVE ABSTRACTS

For the convenience of the reader, these TRANSACTIONS will publish, beginning with this issue, a list of microwave papers which have been selected from journals published outside of the United States. These papers will be chosen on the basis of technical merit, expected interest, and timeliness. Overseas arrangements have been made whereby key journals will be scanned regularly and lists of papers with annotations will be prepared. Addresses of authors will be provided so that requests for reprints may be made.

In this issue, papers are listed which have appeared in Japan. In future issues, papers from journals published in other countries will also be listed.

The Administrative Committee has asked Dr. Kiyo Tomiyasu to assist the Editor of these TRANSACTIONS in establishing and managing this publication feature.

## PHYSICS OF QUANTUM ELECTRONICS CONFERENCE

A conference on the Physics of Quantum Electronics to be sponsored by the Office of Naval Research will be held in San Juan, Puerto Rico, on June 28 to 30, 1965. The intent of this conference is to select from the broad area of quantum electronics some aspects of physics which are of a fundamental nature as contrasted to applications and technology, and to gather together a small group of 150 to 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, 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, semiconductor lasers, including methods of population inversion, recombination, and stimulated emission, the effects

of electric and magnetic fields, and the stimulated emission of phonons. Chairman of the Steering Committee is Dr. B. Lax, Massachusetts Institute of Technology, Lincoln Lab., Lexington, Mass.

Conference attendance, exclusive of the invited speakers and those giving contributed papers, will be limited to those active in research. Those who wish to attend should send their requests to the Secretary as early as possible before May 1, 1965.

Dr. P. L. Kelly, Secretary  
Physics of Quantum Electronics Conference  
M.I.T. Lincoln Laboratory  
Lexington, Mass. 02173

The conference headquarters will be the Americana Hotel which is located five miles from downtown San Juan and one mile from the airport. Hotel rates range between \$9.00 and \$17.00. Reservation forms will be sent to those who will attend. For those who can stay an additional day a trip may be possible on Thursday to the Arecibo Ionospheric Observatory.

## CANADIAN ELECTRONICS CONFERENCE

The 1965 Canadian Electronics Conference will again be held at the Automotive Building in Exhibition Park, Toronto. Scheduled for October 4 through 6, the '65 Conference will have extended exhibit space to unveil more new products and handle larger attendances than ever before. Over 10,000 engineers, technicians, armed service personnel, and business men are expected to attend.

William Lower (Ferranti Electronics, Industry Street, Toronto 15, Ontario, Canada), Technical Program Chairman, announces plans for a program of over one hundred papers dealing with technological advances in electrical and electronics engineering as applied to industry, commerce, medicine, and defense. Special emphasis will be given to Canadian product developments which have earned recognition not only in Canada but throughout the world.