

MEETINGS

Thin films

On September 28, the American Vacuum Society's Thin Film Division will hold a symposium on the nucleation, growth, and structure of thin films. The meeting will convene at the Statler Hilton Hotel in New York City. It will immediately precede the national AVS meeting that begins on the 29th, and will present invited papers on nucleation theory, nucleation and growth as observed by electron microscopy, the role of contaminants in epitaxial growth of fcc metals on NaCl, evaporation phenomena, growth and properties of nearly perfect platelets, scanning electron diffraction during film growth, and low-energy electron diffraction.

Correspondence should be addressed to J. M. Lafferty, General Electric Company Research Laboratory, PO Box 1088, Schenectady, N. Y.

Spectroscopy

Britain's Institute of Physics and Physical Society and the United Kingdom Atomic Energy Authority will hold a symposium on spectroscopic studies of vibrational modes at Harwell from September 30 to October 1.

The session headings for the meeting include an introductory survey, neutron and x-ray scattering, and the Raman effect and optical absorption.

Additional information and application forms are available from the Meetings Officer, The Institute of Physics and the Physical Society, 47 Belgrave Square, London SW 1, England.

Gaseous electronics

The University of Minnesota and Honeywell Incorporated will assist in holding the 18th gaseous electronics conference in Minneapolis from October 20 to 22. The conference invites contributions dealing with the basic phenomena and processes associated with the physics of ionized gases. Papers on engineering applications, on specific devices, or which are substantially the same as those presented at the conference on electronic and

atomic collisions (August 2-6, Quebec) are excluded.

The meeting has been accepted as a topical conference of the American Physical Society, and the abstracts will be published in the *APS Bulletin*. The deadline for abstracts is September 3.

All correspondence should be addressed to Dr. L. M. Chanin, Honeywell Research Center, 500 Washington Avenue South, Hopkins, Minn.

Ultrasound

The Institute of Electrical and Electronics Engineers group on sonics and ultrasonics will hold its annual ultrasonics symposium from December 1 to 3 at the Hotel Sheraton-Boston in Boston.

Papers on fundamental research, new device concepts, and applications in all areas of the field are solicited. Among the principal topics of interest are industrial ultrasonics, phonon interactions, medical ultrasonics, microwave devices and techniques, materials and continuum mechanics, and military sonics and ultrasonics.

The deadline for contributed papers is September 1. One-hundred-word abstracts of contributions should be sent to J. H. Rowen, Bell Telephone Laboratories, Murray Hill, N.J. 07971.

Rheology

The 36th annual meeting of the Society of Rheology will take place October 25 to 27 at the Case Institute of Technology.

The allowable length for abstracts has been extended to 500 words this year, and they should be sent in duplicate by August 1 to I. L. Hopkins, Room ID205, Bell Telephone Laboratories, PO Box 261, Murray Hill, N. J. 07971. In addition to contributions, there will be three invited papers: by J. T. Bergen (to be announced), by T. A. Litovitz (Viscoelastic Properties of Nonpolymeric Liquids), and by D. C. Bogue (Constitutive Equations for Engineering Use).

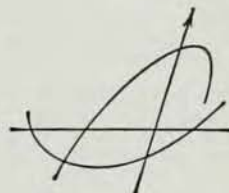
Local arrangements are being handled by I. M. Krieger, Department of Chemistry, Case Institute of Technology, Cleveland, Ohio. 44106.

Applied Mathematicians

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