

MEETINGS

Semiconductors

The American Institute of Chemical Engineers is planning to hold a one-day symposium on semiconductor technology on May 17 at the Hilton Hotel in San Francisco.

The program features invited papers on semiconductor device manufacture as a chemical industry, illustrating basic principles in semiconductor physics, semiconductors and solubility, chemical and electrical properties of diffused impurity layers in III-V compounds, recent results on the diffusion of impurities in silicon, and epitaxy and integrated circuits.

Correspondence concerning the symposium should be addressed to A. S. Grove, Solid-State Physics Department, Fairchild Semiconductor, 4001 Junipero Serra Boulevard, Palo Alto, Calif.

Canadian meeting

The annual congress of the Canadian Association of Physicists will be held at the University of British Columbia from June 10 through 12. The program will include special sessions on earth physics, radio astronomy, theoretical physics, polarized beams and targets in nuclear physics, and positronium, muonium, and other exotic atoms.

Details concerning the meeting may be obtained from Prof. G. M. Volkoff, Physics Department, University of British Columbia, Vancouver 8, B. C., Canada.

Gordon Research Conferences

Colby Junior College, New Hampton School, Kimball Union Academy, Tilton School, and Proctor Academy, all in New Hampshire, will once again house the annual Gordon Research Conferences, scheduled to take place from June 14 to September 3.

As in previous years, the Conferences will cover about 50 areas of scientific research, most of them in the life and chemical sciences. Each conference lasts five days and is designed to foster an exchange of ideas among persons actively engaged in the selected

subject areas. Sessions will be held in the mornings and evenings, leaving the afternoons open for recreation or informal discussion. Those which may be of interest for physicists are listed below.

Colby Junior College, New London: nuclear chemistry (June 21-25), catalysis (June 28-July 2), polymers (July 5-9), elastomers (July 19-23), and ion exchange (August 2-6).

New Hampton School, New Hampton: molecular beam methods and collision processes (June 14-18), scientific information problems in research (July 19-23), and radiation chemistry (August 2-6).

Kimball Union Academy, Meriden: physical metallurgy (July 19-23), solid-state studies in ceramics (August 2-6), chemistry and physics of solids (August 16-20), and nuclear structure physics (August 23-27).

Tilton School, Tilton: magnetic resonance (June 21-25), chemistry and physics of space (June 28-July 2), chemistry and physics of liquids (August 2-6), and photonuclear reactions (August 9-13).

Proctor Academy, Andover: dielectric phenomena (June 21-25), chemistry and metallurgy of semiconductors (July 12-16), lasers in medicine and biology (August 23-27), and energy-coupling mechanisms (August 30-September 3).

Applications for attendance must be sent two months prior to date of conference. Requests for application materials or additional information concerning the conference should be sent to W. George Parks, Director, Gordon Research Conferences, University of Rhode Island, Kingston, R. I. After June 14, Dr. Parks' address will be Colby Junior College, New London, N. H.

Resonances

A topical conference on resonant particles is being planned at Ohio University for June 11 and 12.

The purpose of the meeting is to summarize what is known about the

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various resonances that have been reported in the literature, and it is also hoped that it will be possible to devote one session to a symposium on exchange mechanisms in particle interactions.

All correspondence regarding the meeting should be sent to Prof. B. A. Munir, Physics Department, Ohio University, Athens, Ohio.

Neutrons and nuclear structure

The International Union of Pure and Applied Physics has agreed to sponsor an international conference on the study of nuclear structure with neutrons. Organized by a local committee from the Belgian Centre d'Etude de l'Energie Nucléaire at Mol, the meeting will take place from July 19 to 23 in the conference room of General Motors Continental in Antwerp.

The scheduled sessions will cover basic neutron-nucleon interactions and nuclear models, nuclear spectroscopy, neutron resonances and strength functions, nuclear reactions, the optical model, and some special topics (neutron reactions in stars, very intense neutron sources, a conference summary).

Abstracts are due by April 15. Two copies, each double spaced in a single paragraph on one page are required, along with the title, the author's name, and his institution.

Requests concerning registration forms, abstracts, and inquiries about the conference should be sent to M. Neve de Mevergnies, Conference on Nuclear Structure with Neutrons, CEN, Mol, Belgium.

Electron microscopes

The annual meeting of the Electron Microscopy Society of America will take place from August 25 to 28 in the Statler-Hilton Hotel in New York City.

A highlight of this year's program will be a special symposium on instrumentation. C. E. Hall of the Massachusetts Institute of Technology will discuss the developments and expectations in electron microscopy instrumentation, and John Reisner of the Radio Corporation of America is organizing a two-hour panel session on resolving power standards for electron

microscopy. The program also includes the regular sessions of invited and contributed papers and an instrument exhibit.

Abstracts of 150 words for contributed papers and scientific exhibits should be sent by May 1 to T. R. Padden, Westinghouse Electric Corporation, PO Box 79, West Mifflin, Pa. The chairman of local arrangements is Dr. L. L. Ross, Department of Anatomy, Cornell University Medical College, 1300 York Avenue, New York 21, N. Y.

Vacuum congress

The executive committee of the International Union for Vacuum Science, Technique and Applications has decided to hold the Third International Vacuum Congress in Stuttgart, West Germany, from June 28 to July 2.

The program includes 12 invited papers, simultaneously translated into French, English, and German on measurement of low pressures, dynamics of rarefied gases, sorption on solid surfaces, gas sorption on surfaces at low temperature, physical mechanisms of cathode sputtering, applications of vacuum technique in nuclear technology and in space research, thin films, vacuum metallurgy, and freeze drying. Shorter contributed papers describing the results of recent, unpublished research will also be presented.

Application forms for attendance at the meeting may be obtained from Sekretariat des Dritten Internationalen Vakuum-Kongress, Postfach 195, 5 Köln-Bayental, West Germany.

Zeeman effect

The Dutch Physical Society will hold an international conference, from September 6 to 11 in Amsterdam, to celebrate the centenary of the birth of Pieter Zeeman.

The proposed program includes the following: (1) the significance of the Zeeman effect in modern physics, (2) the Zeeman effect in atomic spectra, (3) atomic-beam magnetic resonance, (4) double resonance, including level crossing and anti-crossing, (5) magnetic phenomena in gas lasers, (6) Zeeman effect measurement of magnetic fields in both the optical and rf regions, and