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Meetings

Kirkwood Memorial Symposium

A THREE-DAY symposium in memory of the late John Gamble Kirkwood will be conducted by the Physical Chemistry Division of the American Chemical Society in conjunction with the ACS 138th national meeting to be held September 12-14 in New York City. The papers to be presented at the symposium, which is scheduled to take place in the North Ballroom of the Hotel New Yorker, represent those areas of research which have been influenced by Kirkwood's work.

Among the many subjects to be discussed at the six half-day sessions are the measurement of molecular interaction by light scattering (Peter Debye), ensembles of maximum entropy (Joseph E. Mayer), the temporal evolution of isolated dynamical systems (S. Golden and H. C. Longuet-Higgins), the surface specific heat of an isotropic solid at low temperatures (Lars Onsager, Marc Dupuis, and Robert Mazo), transport processes in dense gases (I. Prigogine and Frank A. Andrews), computer simulation of molecular dynamics (B. J. Alder and T. E. Wainwright), and a method for the calculation of the pair correlation function (J. de Boer). Most of the papers presented at the symposium, and many others relating to Kirkwood-influenced work, are scheduled to be published in the November 1960 issue of the *Journal of Chemical Physics*.

Further information on the symposium is available from Prof. Joseph O. Hirschfelder, The University of Wisconsin Theoretical Chemistry Laboratory, P. O. Box 2127, Madison 5, Wisc.

Space Power Systems

MAJOR aspects of energy conversion technology and its application to advanced power systems for space vehicles will be covered at the American Rocket Society's Space Power Systems Conference to be held September 27-30 at the Miramar Hotel, Santa Monica, Calif. The meeting will be held under the co-sponsorship of the National Aeronautics and Space Administration, Air Force, Atomic Energy Commission, and Advanced Research Projects Agency, and with the cooperation of the Institute of Radio Engineers and the American Institute of Electrical Engineers.

The program will include discussions of present and predicted basic research, component fabrication, and system design applied to power systems for space and orbital craft. Specific topics to be covered include thermoelectric and thermionic thermal converters, dynamic heat engines and electromechanical energy conversion, solar energy sources, chemical energy sources

and storage mechanisms, nuclear energy sources, nuclear systems design, and solar system design. Technical developments in the field will be illustrated by hardware that will tie in with actual devices, systems, and components discussed during the technical sessions.

Additional information can be obtained from Roderrick L. Hohl, American Rocket Society, 500 Fifth Avenue, New York 36, N. Y.

Astronautics

AN Air Force Symposium on Astronautics, open to the public, will be held October 12-14 at the Ambassador Hotel in Los Angeles under the cosponsorship of the Air Force Office of Scientific Research and the Society of Automotive Engineers. This will be the third in a series of symposia, the first such meeting having been held in February 1957 and the second in April 1958. The conference speakers will include investigators in various aspects of interplanetary flight. Further information can be obtained from the general chairman of the symposium, Dr. W. F. Ballhaus, Nortronics Division of Northrop Corporation, Hawthorne, Calif.

Rare Earth Research

FIVE sessions in the areas of solution chemistry, ceramic systems, and metals, alloys, and intermetallics are planned for a seminar on the subject of "Rare Earth Research", which is to be held October 23-26 at the Arrowhead Conference Center of the University of California, located in the San Bernardino Mountains about 85 miles from Los Angeles. The meeting will be jointly sponsored by the University of California, the Department of Defense, and the Research Chemicals Division of Nuclear Corporation of America.

The program will consist of invited papers, which will be preprinted and distributed to all those who attend. Each session will contain a brief summary by the authors followed by a general discussion period. Because of limited facilities (the Center can house about 100 persons) attendance will be restricted to those scientists actively interested in research involving the rare earth elements. Requests for reservations or further information should be sent either to Dr. E. V. Kleber, Research Chemicals, P. O. Box 431, 170 West Providencia, Burbank, Calif., or to Mr. Harry Tallman, University of California, Los Angeles 24, Calif.

APS Division of Plasma Physics

THE Second Annual Meeting of the Division of Plasma Physics of the American Physical Society will be held November 2-5 in the Gatlinburg Civic Auditorium, Gatlinburg, Tenn., under the joint sponsorship of the APS and the Oak Ridge National Laboratory. The Division was formally organized last year, with the approval of the Society's Council, and is concerned with "the advancement and diffusion of knowl-

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