

MEETINGS

Gas Dynamics

The Department of Mechanical Engineering and Astronautical Sciences and the Technological Institute of Northwestern University are holding a Gas Dynamics Colloquium during the 1963-64 academic year. Although the 1963 meetings are past, a number remain for 1964 and are scheduled as follows:

- Jan. 14, Lasers: Stimulated Emission of Radiation, B. A. Lengyel
- Jan. 21, The History of Pinch Research: Progress from Applied to Pure Physics, H. P. Furth
- Jan. 28, Non-Equilibrium Composition of Monatomic Radiating Plasmas, S. R. Byron
- Feb. 11, Geomagnetic Storms, E. N. Parker
- Feb. 18, Advances in Theoretical Plasma Physics, M. N. Rosenbluth
- Feb. 25, Dissociation Behind Strong Shock Waves, C. E. Treanor
- Mar. 3, Experiments with Alkali-Metal Plasmas, N. D'Angelo
- Apr. 7, Plane Couette Flow, D. Mintzer
- Apr. 14, Gas Breakdown at Optical Frequencies, R. G. Meyerand
- Apr. 21, The AC Impedance of a DC Arc, H. W. Emmons
- Apr. 28, Plasma Diagnostics and Simulation by Correlation Techniques, H. Hodara
- May 5, Solar Winds and the Geomagnetic Field, L. Lees

Address inquiries to Gas Dynamics Colloquium, Department of Mechanical Engineering and Astronomical Sciences, Northwestern University, Evanston, Ill.

Material Science

The second annual symposium on Fundamental Phenomena in the Material Sciences will be held at the Sheraton Plaza Hotel in Boston on January 27 and 28. Sponsored by the Ilikon Corporation, the meeting will concern itself with how surface phenomena are treated in the different material sciences of metallurgy, ceramics, and polymer chemistry. Further information can be obtained from B. L. Mulhern, Ilikon Corp., Natick Industrial Centre, Natick, Mass.

Polymers and Electrodes

Two winter Gordon Research Conference will be held early next year at the Miramar Hotel in Santa Barbara, Calif. Polymers, chaired by Maurice L. Huggins, will take place from January 27 to 31, and Electrochemistry: Electrode Reactions, chaired by Ralph N. Adams, from February 3 to 7. The purpose of these meetings, as is the case with the regular Gordon Research Conferences, held every summer in New Hamp-

shire, is to stimulate research in universities, foundations, and laboratories by holding informal lecture and discussion meetings on various topics.

Applications for attendance at the conferences, limited to about 100 for each, can be obtained from Dr. George W. Parks, Director, Gordon Research Conferences, University of Rhode Island, Kingston, R. I.

Biophysics

The Biophysical Society will hold its 8th annual meeting at the Pick-Congress Hotel in Chicago on February 26, 27, and 28, 1964. In addition to the program of contributed papers, the meeting will present three symposia: macromolecular aspects of radiation actions on cells, organization and development of decision processes in the central nervous system, and new approaches to electron-microscopic resolution at the atomic level. No preregistration will be required for this meeting.

Further information can be obtained from Dr. R. B. Uretz, Committee on Biophysics, University of Chicago, 5640 Ellis Avenue, Chicago, Ill.

An international biophysics meeting will be held in Paris, June 22 through 27, 1964 in conjunction with the second General Assembly of the International Organization for Pure and Applied Biophysics. The first two days of the meeting will be occupied by general sessions organized by the French National Committee on Biophysics, including lectures by J. Duchesne (Liege), A. L. Hodgkins (Cambridge), J. Monod (Institut Pasteur, Paris), M. F. Perutz (Cambridge), and B. Pullman (Institut de Biologie Physico-Chimique, Paris).

The remaining four days will be devoted to simultaneous sessions of the Commission on Cell and Membrane Biophysics, chaired by R. D. Keynes (Institute of Animal Physiology, Babraham, Cambridge, England) and the Commission on Biophysics of Communications and Control Processes, cochaired by W. A. Rosenblith (Massachusetts Institute of Technology, Cambridge, Mass.) and G. Frank (Biological Department, Academy of Sciences of the USSR, Protsojnaja 7, Corpus 1, Moscow). Cell and membrane sessions will cover membrane and phase boundary phenomena, molecular biophysics of intracellular membrane systems, excitation-contraction coupling, cellular contractility and protoplasmic movements, and transport across cell membranes. The topics of the communications and control processes sessions will be coding and sensory mechanisms, coding and neural noise, and regulatory mechanisms in multicomponent systems. The final afternoon of the program will be de-