



## INTERESTED IN THE PHYSICS OF IONIZED GASES?

Cornell Aeronautical Laboratory is currently conducting a research problem involving the study of gaseous electronics and the physics of ionized gases. Of particular interest are theoretical and experimental studies of the interactions between ion species, electrons, and neutral molecules in ionized gases, as well as plasma dynamics.

Inquiries are invited from those interested in formulating and conducting research problems in these fields. Graduate degrees in physics are necessary, with related experience preferred. Liberal industrial level salary scales plus cost of living increments and many fringe benefits are provided. The Laboratory's professional prospectus, "A Community of Science," is available upon request. Please address J. T. Rentschler.

**CORNELL AERONAUTICAL LABORATORY  
OF CORNELL UNIVERSITY**  
Buffalo 21, N.Y.

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*The above is some of the information sent systematically to all American Institute of Physics Student Sections. There are now 5,000 student members in over 145 sections.*

*A booklet describing in detail the procedure for establishing Student Sections and the benefits which student organizations derive from membership will be sent upon request. Address all inquiries to:*

Mrs. Ethel E. Snider, National Secretary  
Student Sections  
American Institute of Physics  
335 East 45th Street  
New York 17, N. Y.

tee E-14 on Mass Spectrometry, which will be held June 4-9 in Chicago. All communications should be sent to Dr. George Crable, Gulf Research Center, P.O. Box 2038, Pittsburgh 30, Pa.

### *Molecular Structure and Spectroscopy*

**D**ISCUSSIONS of the interpretation of molecular spectroscopic data as well as methods for obtaining such data will be featured at this year's Symposium on Molecular Structure and Spectroscopy to be held from June 12 to 16 at the Department of Physics and Astronomy of the Ohio State University. In addition, there will be sessions devoted to phases of spectroscopy which are currently of particular interest. A dormitory will be available for those who wish to reside on the campus during the meeting.

For further information, or for a copy of the program, write to Prof. R. A. Oetjen, Department of Physics and Astronomy, the Ohio State University, Columbus 10, Ohio.

### *Semiconducting Compounds*

**P**ERSONS who are working actively on the fundamental properties of compound semiconductors and who may be interested in attending a scheduled conference on that topic should communicate as quickly as possible with the conference secretary, Dr. Henry Ehrenreich (General Electric Research Laboratory, P.O. Box 1088, Schenectady, N. Y.). The meeting will take place June 14-16 at the GE Research Laboratory under the joint sponsorship of the Air Force Office of Scientific Research, Air Force Research Division, ARDC, and the Laboratory.

The conference is intended to synthesize the physical ideas common to various classes of compound semiconductors and it will be concerned particularly with those compounds for which a large body of experimental information relevant to theoretical interpretation is available. Emphasis will be placed on 3-5 and 2-6 compounds, with some discussion of the lead compounds and transition metal oxides 2-5 and 5-6 compounds. The agenda will be devoted exclusively to fundamental physical properties such as energy band structure, transport (including tunneling), and optical, galvanomagnetic, and resonance phenomena. The conference proceedings will subsequently be published in the *Journal of Applied Physics*.

### *Energy Sources*

**A**T the invitation of the Italian government, a conference on new (nonnuclear) sources of energy will be held in Rome from August 21 to 31 under the sponsorship of the United Nations. The agenda will emphasize topics dealing with the utilization of solar energy, wind power, and geothermal energy, and special attention will be given to the problems of the less developed countries.

The subject of the conference has been a matter of interest to the United Nations for a number of years. Prospects for making practical use of such energy