

22-26; and the 201st National Meeting at the University of Oklahoma, February 13-15.

In addition to its general program, the Annual Meeting will feature a traditional joint session with the Institute of the Aerospace Sciences, and arrangements are underway to share a session with the Fluid Dynamics Division of the American Physical Society since the APS meets in New York the same week. For further details, write to J. Spar, New York University, University Heights, New York 53, N. Y.

The National AMS Meeting will concentrate this year on severe storms and related phenomena, and will offer a program devoted to observation systems and techniques, mesometeorology, cloud and precipitation physics, convection, thunderstorms and electricity, turbulence and gusts, and tornadoes and other micro-scale vortices. The full program for the February sessions, which will be held at the Oklahoma Center for Continuing Education near the main campus of the University, will be published in the December issue of the Society's *Bulletin*. Further information can be obtained from W. J. Saucier, University of Oklahoma, Norman, Okla.

### **Radiation Detectors**

**SCINTILLATORS**, photomultipliers and image tubes, counter systems and applications, semiconductor detectors, and scintillation track imaging and spark chambers will be discussed in a program of invited and contributed papers at the Eighth Scintillation and Semiconductor Counter Symposium scheduled for March 1-3, 1962 at the Hotel Shoreham in Washington, D. C.

A biennial event since 1948, the symposium is designed to examine the practical and theoretical aspects of the newer techniques, equipment, and components employed in nuclear radiation detection. It is being organized under the joint sponsorship of the Atomic Energy Commission, the American Institute of Electrical Engineers, the Institute of Radio Engineers, and the National Bureau of Standards. The five scheduled daytime sessions of invited and contributed papers will be supplemented by an evening discussion period and banquet on March 1. A limited display of some of the latest equipment in the field is also planned.

Further information can be obtained from G. A. Morton, Scintillation and Semiconductor Counter Symposium Committee, RCA Laboratories, Princeton, N. J.

### **Plasma Sheath**

**BOTH** classified and unclassified aspects of the problem of the plasma sheath surrounding a hypersonic vehicle will be discussed April 10-12, 1962, at a meeting sponsored by the Air Force Cambridge Research Laboratories. Sessions will be held at New England Mutual Hall, Boston, Mass. The "Second Symposium on the Plasma Sheath—Its Effect Upon Re-Entry Communication and Detection" will deal with the following specific topics: (1) the effect of the plasma sheath upon communications and telemetry systems of

re-entry vehicles; (2) techniques for improving re-entry communications systems; (3) the effect of the plasma sheath upon radar cross section and detectability; (4) voltage breakdown of antennas at high altitudes; and (5) flight-test programs and instrumentation for re-entry communications tests.

Requests for registration forms should be addressed to Miss Alice Cahill, Symposium Secretary, Air Force Cambridge Research Laboratories, L. G. Hanscom Field, Bedford, Mass.

### **Spectroscopy**

**RECENT** advances in spectroscopy, including work in infrared, Raman, optical emission, x-ray, general absorption, NMR, EPR, and atomic absorption, will be reported at the 13th Annual Mid-America Spectroscopy Symposium, which is to meet at the Conrad Hilton Hotel in Chicago from April 30 through May 3. To be held under the sponsorship of the Chicago Section of the Society for Applied Spectroscopy, in cooperation with the Society's Cleveland, Detroit, Indianapolis, and St. Louis sections, the 1962 meeting will offer new sessions on vacuum ultraviolet and gas chromatographic preparation of samples for spectroscopic analysis. Other features of the program will be an NMR workshop, a continuation of the introductory clinic in infrared spectroscopy, problem clinics, and an instrument exhibit. The symposium coordinator is J. A. Ferraro, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Ill.

### **Heat Transfer and Fluid Mechanics**

**JANUARY 12** has been set as the deadline for submission of abstracts for the 1962 meeting of the Heat Transfer and Fluid Mechanics Institute, which will convene June 13-15 at the University of Washington in Seattle. Final papers must be received by March 2. Original contributions concerning technical and scientific advances in fluid mechanics, heat transfer, and related areas are invited, and all accepted papers will be included in the published *Proceedings* of the meeting. Both abstracts and papers should be sent to C. A. Sleicher, Jr., Department of Chemical Engineering, University of Washington, Seattle 5, Wash. Further information can be secured from R. E. Street of the University's Department of Aeronautical Engineering.

### **Paramagnetic Material**

**SPONSORED** by IUPAP, the First International Conference on Paramagnetic Resonance will be held at the Hebrew University of Jerusalem, Israel, from July 9 through 13, 1962. The meeting will summarize recent advances in the understanding of the energy-level scheme of paramagnetic materials in single crystals by means of resonance techniques. Paramagnetic resonance of transition elements, double-resonance ENDOR experiments, theoretical advances in energy-level calculations, resonance spectra of point defects and radiation centers, spectra of ion pairs, relaxation phenomena and line shape, correlation of paramagnetic