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 microscale 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 reentry 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

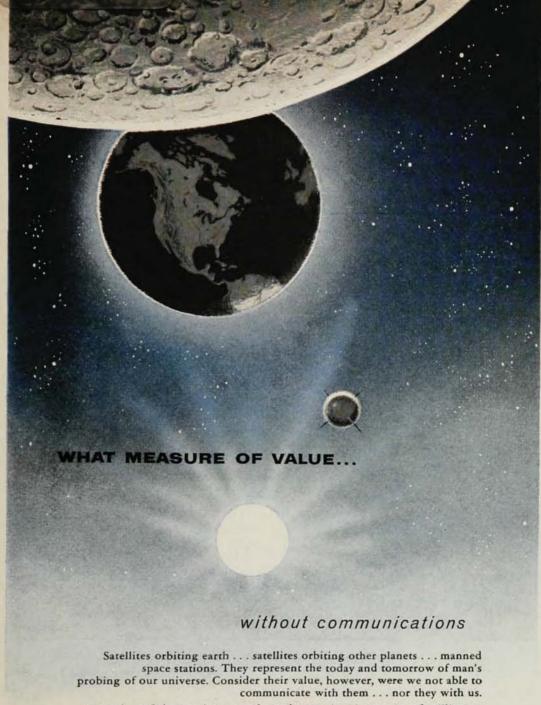
RECENT advances in spectroscopy, including work in infrared, Raman, optical emission, x-ray, general absorption, NMR, EPR, and atomic absorption, will be reported at the 13th Annual Mid-America Spectroscopy Symposium, which is to meet at the Conrad Hilton Hotel in Chicago from April 30 through May 3. 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



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An Employment Agency for the Nuclear Field Suite 1207M, 1518 Walnut St. Phila. 2, Pa. resonance spectra, and advances in experimental techniques will be among the subjects considered at the conference.

Abstracts, which are due not later than February 1, 1962, and requests for details concerning the meeting should be sent to the Conference Secretary, Professor W. Low, Department of Physics, The Hebrew University of Jerusalem, Israel.

Semiconductor Physics

PNGLAND'S University of Exeter will act as host to the sixth in a series of international conferences on the Physics of Semiconductors to be held July 16–20, 1962, under the sponsorship of the British Institute of Physics and Physical Society, the International Union of Pure and Applied Physics, and the British National Committee for Pure and Applied Physics of the Royal Society. The previous conferences were held in Reading (1950), Amsterdam (1954), Garmisch (1956), Rochester (1958), and Prague (1960), Further information regarding the conference may be obtained from the Administration Assistant, The Institute of Physics and Physical Society, 47 Belgrave Square, London, S.W. 1, England.

Radiation Effects

POSSIBILITIES for providing partial support to qualified applicants wishing to attend the Second International Congress of Radiation Research (Harrogate, England, August 6–11, 1962) are being explored by the Radiation Research Society and the National Academy of Sciences—National Research Council, Application forms, which must be submitted prior to February 1, are available from the NAS-NRC Committee on Travel Grants, Room 319, 2101 Constitution Avenue, N.W., Washington 25, D. C.

The scope of the congress will include research into the physical, chemical, and biological effects of ionizing radiation. Dr. A. Howard, Mount Vernon Hospital. Northwood, Middlesex, England, has been designated secretary general of the Congress, and will receive all requests for information concerning the meeting.

Rheology Congress in 1963

AN invitation to submit papers for presentation at the Fourth International Congress on Rheology has been issued by the meeting's sponsoring bodies, the Society of Rheology and the International Committee on Rheology. To be held August 26–30, 1963, at Brown University, the meeting's program will include several invited lectures.

Contributions, in the form of 500-word abstracts, must be submitted by March 30, 1963, to Professor E. H. Lee, Editor of the *Proceedings* of the Fourth International Congress on Rheology, Brown University, Providence 12, R. I. Accommodations and meals will be available at the University.

Requests for additional information regarding the conference should be addressed to Professor R. S. Rivlin, also at Brown University.