

Announcements

SYMPOSIUM ANNOUNCEMENT

The Third Symposium on the Plasma Sheath—Plasma Electromagnetics of Hypersonic Flight, sponsored by the Air Force Cambridge Research Laboratories, Office of Aerospace Research Laurence G. Hanscom Field, Bedford, Massachusetts, will be held on September 21–23, 1965: unclassified sessions on September 21–22 at New England Life Hall, Boston, Mass.; classified sessions on September 23 at the Base Theater, Laurence G. Hanscom Field, Bedford, Mass. The purpose of this symposium is the exchange of both classified and unclassified information on problems related to the transmission of electromagnetic radiation through the plasma sheath which surrounds a hypersonic vehicle traveling through a planetary atmosphere. Specific topics of interest include:

- 1) Wave propagation in plasma media.
- 2) Radiation patterns and impedance of plasma-covered antennas.

- 3) Reentry physics research.
- 4) Voltage breakdown of antennas at high altitudes.
- 5) Diagnostic techniques for ionized flow fields.
- 6) Reentry communication flight tests.
- 7) Reentry electronic countermeasures.
- 8) Rocket flame attenuation.

Requests for registration material should be submitted to:

Miss Alice Cahill, CRD
Symposium Secretary
Air Force Cambridge Research Laboratories
L. G. Hanscom Field
Bedford, Mass. 01731

Abstract deadline was 20 March, 1965.

IEEE PROCEEDINGS SEEKS PAPERS FOR ISSUE ON FREQUENCY STABILITY

A special issue of the PROCEEDINGS to be devoted to the subject of frequency stability, is planned for February 1966. Original papers on both long- and short-term frequency stability, especially papers that contribute to the definition of the terms, are solicited. Fields of interest include theory, devices, measurement techniques, and users' requirements in radar, aerospace, and other applications. Those who have special requirements for long- or short-term frequency stability and have strong opinions on the subject are encouraged to submit their ideas to be considered for publication.

The special issue is intended to converge the many viewpoints on frequency stability, and on short-term frequency stability, in particular to a focal point so that general, useful, and acceptable standards can be formulated. The Technical Subcommittee, Standards-14.7, Frequency Stability, has undertaken this task. Direct communication with members of this group is encouraged and welcomed. The subcommittee members are: A. R. Chi, Chairman, Goddard Space Flight Center, Greenbelt, Md.; J. A. Barnes, National Bureau of Standards, Boulder Laboratories, Boulder, Colo.; L. S. Cutler, Hewlett-Packard Company, Palo Alto, Calif.; Dr. D. B. Leeson, Applied Technology, Inc., Palo Alto, Calif.; T. E.

McGuinagal, Goddard Space Flight Center, Greenbelt, Md.; Dr. J. A. Mullen, Research Division, Raytheon Company, Waltham, Mass.; Prof. C. L. Searle, Massachusetts Institute of Technology, Cambridge, Mass.; W. L. Smith, Bell Telephone Laboratories, Allentown, Pa.; Dr. R. F. C. Vessot, Varian Associates, Beverly, Mass.; and Dr. G. M. R. Winkler, Institute of Exploratory Research, U. S. Army Electronics Laboratories, Fort Monmouth, N. J. The issue is under the guest editorship of A. R. Chi and the IEEE Technical Subcommittee, Standards-14.7, Frequency Stability.

A manuscript for consideration should be submitted to A. R. Chi, Code 521, Goddard Space Flight Center, Greenbelt, Md. 20771, on or before September 1, 1965. A complete manuscript should include one typed copy of the abstract and text, with original illustrations, and a biography and photograph of the author. The deadline is extended to September 15th for those who submit the 15 copies of their manuscript required for review.

In the interest of editorial coordination and because of the large number of papers anticipated, prospective authors should communicate as early as possible with members of the editorial committee.