

Announcements

A "Symposium on Electromagnetic Theory and Antennas" will be held at the Technical University of Denmark, Copenhagen, from Monday, June 25th to Saturday, June 30th, 1962, inclusive. The symposium will be open to any interested person from any country.

The symposium is sponsored by the International Scientific Radio Union (U.R.S.I.), The Technical University of Denmark, The Danish Academy of Technical Sciences, and The Danish National Committee of U.R.S.I. J. Rybner is president, H. Lottrup Knudsen is secretary, James R. Wait is chairman of the committee for the technical program, and E. C. Jordan is chairman of the editorial board.

Financial aid for arranging the symposium has been given by the International Scientific Radio Union and by Danish firms, institutions, and foundations.

A number of topics have been selected on the basis of papers which have been received to date, and each of these has been assigned coordinators. These topics and coordinators are: Propagation of guided and unguided electromagnetic waves in anisotropic media (N. Marcuvitz and J. R. Wait), Scattering in random media (S. Silver and A. D. Wheelon), Propagation along and radiation from modulated structures (A. Oliner), Properties of partially coherent electromagnetic fields (F. J. Zucker), Recent developments in diffraction theory (K. M. Siegel and J. B. Keller), and Some problems related to conventional and unconventional antennas (R. C. Hansen and H. L. Knudsen).

Authors of papers, already accepted, include—B. Agdur, P. Beckmann, A. Blanc-Lapierre, K. Bochenek, H. G. Booker, R. N. Bracewell, H. Bremmer, K. G. Budden, P. C. Clemmow, A. L. Cullen, R. H. DuHamel, G. Eckart, L. Felsen, W. Franz, K. Furutsu, Z. Godzinski, R. W. Gould, R. C. Hansen, A. E. Heins, W. C. Hoffman, A. E. Karbowski, S. Karp, I. Kay, J. B. Keller, M. Kline, H. Knudsen, N. Logan, L. Mandel, N. Marcuvitz, H. Motz, A. A. Oliner, G. B. Parrent, P. Poincelot, Mogens Pihl, V. Rumsey, O. E. H. Rydbeck, H. Seidel, T. B. A. Senior, K. M. Siegel, G. Toraldo di Francia, V. Twersky, V. H. Weston, A. D. Wheelon, J. Voge, J. R. Wait, E. Wolf, and F. Zucker.

Further information, including registration forms, is available from Mrs. Eileen Brackett, Secretary, Technical Program Committee, National Bureau of Standards, Boulder, Colorado.

Report on URSI London General Assembly, September 1960

A Report to the National Academy of Sciences—National Research Council from the USA National Committee on the International Scientific Radio Union on the Thirteenth General Assembly, September 5–15, 1960, London, England.*

This volume is a summary report of the triennial General Assembly of the Union which met at London in 1960. The report covers the broad field of radio science; some of the topics reported and discussed in the seven commissions follow.

- I. Radio Standards and Methods of Measurement: frequency including atomic, time signals, physical quantities by radio.
- II. Tropospheric Propagation: physical characteristics and the troposphere and radio meteorology.
- III. Ionosphere: F_2 ionization, sporadic E , rocket and satellite work, hydromagnetic waves, aurorae, scattering and drifts.
- IV. Terrestrial Noise: lightning, man-made noise, whistlers, and exosphere.
- V. Radio Astronomy: discrete sources, galactic emission, receivers and parametric amplifiers, solar emission, planets and meteors.
- VI. Radio Waves and Circuits: scattering, surface waves, antennas, solid state circuit theory.
- VII. Radio Electronics: molecular and paramagnetic amplifiers, ferrites, energy conversion and plasma phenomena.

The report is now available from: Printing and Publishing Office, National Academy of Sciences, National Research Council, 2101 Constitution Ave., N.W., Washington 25, D.C. Make checks payable to the "National Academy of Sciences." Enclose purchase order if such is required.

*NAS-NRC Publication 880; 595 pp., illus., paper; \$5.00.