

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

Microwave Theory and Techniques 1959 International Symposium, Harvard University, Cambridge, Massachusetts
June 1-3, 1959

M. W. P. Strandberg, Quantum-mechanical amplifiers: Present performance status

Symposium on Plasma Oscillations, Linde Company Speedway Laboratories, Indianapolis, Indiana
June 8-10, 1959

W. P. Allis, Waves in a plasma (invited)

Fourth Molecular Beam Conference, Heidelberg, Germany
June 9-11, 1959

H. H. Stroke, Nuclear configuration mixing in hyperfine-structure anomalies (invited)

American EEG Society Meeting, Atlantic City, New Jersey
June 11-14, 1959

F. Morrell, M. A. B. Brazier, and J. S. Barlow, Analyses of conditioned response by means of the average response computer

IBM Medical Symposium, Poughkeepsie, New York
June 15-17, 1959

W. A. Rosenblith, Quantitative approaches to the study of the electrical activity of the nervous system

International Conference on Information Processing, Paris
June 15-20, 1959

G. W. Hughes and M. Halle, On the recognition of speech by machine

V. H. Yngve, The Comit system for mechanical translation

1959 International Symposium on Circuit and Information Theory, Los Angeles, California
June 16-18, 1959

A. G. Bose, Nonlinear system characterization and optimization

E. A. Guillemin, How to grow your own trees from cut-set or tie-set matrices

D. A. Huffman, Canonical forms for information-lossless finite-state logical machines

MEETING PAPERS PRESENTED (continued)

Seventeenth Annual Conference on Electron Tube Research, University of Mexico,
Mexico City, Mexico
June 24-26, 1959

A. Bers, L. D. Smullin, and S. Holly, The Squeezer – A new technique in klystron bunching

International Conference on Medical Electronics, Paris
June 24-27, 1959

J. S. Barlow, A small analog electronic averager for evoked potentials of the brain

F. W. Noble, J. E. Hayes, and M. Eden, Analog computer for analysis of sums of distribution functions

T. T. Sandel, C. E. Molnar, T. F. Weiss, J. S. Barlow, R. M. Brown, M. H. Goldstein, Jr., and W. A. Rosenblith, Quantitative methods in the analysis of neuroelectric activity

American Crystallographic Association Meeting, Cornell University, Ithaca, New York
July 19-24, 1959

A. L. Loeb, Crystal structures: A problem in information retrieval

International Symposium on Principles of Sensory Communication, Endicott House,
Massachusetts Institute of Technology
July 19-Aug. 1, 1959

M. A. B. Brazier, The reactivity of the nervous system in the light of the past history of the organism

P. D. Wall, The organization of first and second cells in the skin sensory pathways

Instituto Venezolano de Investigaciones Cientificas Symposium on Physiology of Cell Membrane and Mechanisms of Vision, Caracas, Venezuela
July 29-Aug. 3, 1959

H. Maturana, Physiology and anatomy of vision in the frog

Fourth International Conference on Ionization Phenomena in Gases, Uppsala, Sweden
Aug. 17-21, 1959

S. C. Brown, High-frequency waves in ionized gases

1959 Western Electronic Show and Convention, San Francisco, California
Aug. 18-21, 1959

A. Bers, Commentary on high-power broadband multicavity klystrons (invited)

D. B. Leeson and S. Weinreb, Frequency multiplication with nonlinear capacitors: A circuit analysis

B. Widrow, Adaptive sampled-data system – A statistical theory of adaptation

MEETING PAPERS PRESENTED (continued)

Symposium on Dynamics of Conducting Gases, Northwestern University, Evanston, Illinois
Aug. 24, 1959

W. P. Allis, Conductivity of ionized gases (invited)

Otological Research Laboratory, Henry Ford Hospital, Detroit, Michigan
Aug. 24-25, 1959

N. Y-S. Kiang, Three seminars on the electrophysiology of the auditory system (invited)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

(Reprints, if available, may be obtained from the Document Room, 26-327, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)

- J. S. Barlow, Rhythmic activity induced by photic stimulation in relation to intrinsic alpha activity of the brain in man (EEG Clin. Neurophysiol.)
- R. D. Fay, Spherical waves of finite amplitude (J. Acoust. Soc. Am.)
- R. C. Gesteland, B. Howland, J. Y. Lettvin, and W. H. Pitts, Comments on micro-electrodes (Proc. IRE)
- D. B. Leeson and S. Weinreb, Frequency multiplication with nonlinear capacitors (Proc. IRE)
- J. Y. Lettvin, H. R. Maturana, W. S. McCulloch, and W. H. Pitts, What the frog's eye tells the frog's brain (Proc. IRE)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- J. P. Reames, Cleaning of slides for vacuum deposition (Rev. Sci. Instr.)

TECHNICAL REPORTS PUBLISHED

(These and previously published technical reports, if available, may be obtained from the Document Room, 26-327, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)

- 350 L. C. Bahiana, Nonlinear properties of FM limiters

SPECIAL PUBLICATIONS

- W. P. Allis, Waves in a plasma (Proc. AEC Sherwood Program Meeting, Gatlinburg, Tennessee, April 27-28, 1959)
- L. Tisza and I. Manning, Fluctuations and irreversible thermodynamics (Proc. International Symposium on Transport Processes in Statistical Mechanics, held in Brussels, Aug. 27-31, 1956)
- W. B. Nottingham, The thermionic diode as a heat-to-electrical-power transducer (Report on Nineteenth Annual Conference on Physical Electronics, Massachusetts Institute of Technology, March 26-28, 1959, pp. 71-82)

