

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

IRE Subcommittee, 4.1, Boston
June 1957

R. B. Adler, H. A. Haus, and F. W. Faughnan, Some observations on the criterion of noise performance for transistors under low-bias conditions

Symposium on Recording and Stimulation of Deep Structures in the Unanesthetized Brain, Georgetown University, Washington, D.C.
June 1957

M. A. B. Brazier, Stereotactic coordinates for the basal ganglia of the human brain and electrical recordings from locations within these nuclei in unanesthetized man

Instituto Superiore PP.TT., Rome
June 6, 1957

S. C. Brown, Microwave production of high-density plasmas (invited)

IRE Solid State Circuits Subcommittee, Princeton, New Jersey
June 10-11, 1957

R. B. Adler, H. A. Haus, and B. W. Faughnan, Some observations on the criterion of noise performance for transistors under low-bias conditions (invited)

Conference on Electrical Studies on the Unanesthetized Brain, Georgetown University, Washington, D.C.
June 10-13, 1957

J. S. Barlow, M. A. B. Brazier, R. Kjellberg, and W. H. Sweet, Electrographic recording and correlation analysis from deep structures within the human brain

Third International Conference on Ionization Phenomena in Gases, Fondazione Giorgio Cini, Venice
June 11-15, 1957

W. P. Allis, Theory of the cavity cathode

S. C. Brown, Microwave gas discharge breakdown in the presence of magnetic fields (invited)

W. B. Nottingham, Properties of the plasma determined by Langmuir probe measurements in low-pressure mercury arcs

Fifteenth Conference on Electron Tube Research, Berkeley, California
June 26-28, 1957

A. Bers and L. D. Smullin, Stagger-tuned multicavity klystrons

C. Fried and L. D. Smullin, Electron-stimulated ion oscillations

H. A. Haus, Theory of large C magnetron amplifiers

MEETING PAPERS PRESENTED (continued)

First International Congress of Neurological Sciences, Brussels
July 21-28, 1957

J. S. Barlow and M. A. B. Brazier, A study of the interdependence of the alpha rhythm and responses evoked by flash in man

Eighth International Congress of Linguists, Oslo
Aug. 5-9, 1957

W. N. Locke and V. H. Yngve, Research in translation by machine at M.I.T.
(to be published in the Proceedings of the meeting)

IRE Western Electronic Show and Convention, San Francisco
Aug. 20-23, 1957

E. F. Bolinder, Impedance transformations by means of the three-dimensional hyperbolic space

R. C. Booton, Jr. and M. H. Goldstein, Jr., Design and optimization of synchronous demodulation

P. Elias, List decoding for noisy channels

URSI General Assembly, Boulder, Colorado
Aug. 22-Sept. 5, 1957

W. P. Allis, Oscillation phenomena in gas discharges

L. J. Chu, Electrodynamics of material bodies

L. J. Chu and H. A. Haus, The kinetic power theorem for longitudinal beams

E. I. Gordon, Plasma oscillations in dc discharges

H. A. Haus, On the minimum noise figure of microwave beam tubes

S. Saito, Measurement of correlation between noise velocity and current fluctuations

L. D. Smullin, Propagation in ion-filled waveguides

Fifth International Conference on Low Temperature Physics and Chemistry, University of Wisconsin, Madison
Aug. 26-31, 1957

M. W. P. Strandberg, C. F. Davis, and R. L. Kyhl, Measurement of paramagnetic spin lattice relaxation times using pulse techniques

L. Tisza, Theory of λ -points and the symmetry of the superfluid state

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)

E. F. Bolinder, Survey of some properties of linear networks (Trans. IRE, PGCT)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION (continued)

- E. F. Bolinder, Some applications of the isometric circle method to impedance transformations through lossless two-port networks (*Acta Polytechnica*)
- W. S. McCulloch, The stability of biological computers (*Proc. IRE*)
- C. E. Shannon, Certain results in coding theory for noisy channels (*Information and Control*)
- H. Shelton, Thermionic emission from a planar tantalum crystal (*Phys. Rev.*)
- G. W. Stroke, Photoelectric fringe-signal information and range in interferometers with moving mirrors (*J. Opt. Soc. Am.*)
- P. R. Swan, Jr. and M. W. P. Strandberg, Vibration-internal rotation interactions in molecules containing a symmetric top group (*J. Molecular Spectroscopy*)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- E. F. Bolinder, Noisy and noise-free two-port networks treated by the isometric circle method (*Proc. IRE*)
- D. M. Graham and J. S. Waugh, Nuclear resonance spectra of rapidly interconverting rotational isomers (*J. Chem. Phys.*)
- R. D. Mattuck, A comment on the Rothen photoelectric ellipsometer (*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)

- 252 E. J. Baghdady, Interference rejection in FM receivers
- 276 J. Hilibrand, Characterization of probability distributions for excess physical noises
- 324 J. C. Pinson, Transient correction by means of all-pass networks
- 325 J. M. Wozencraft, Sequential decoding for reliable communication

SPECIAL PUBLICATIONS

- N. Chomsky, M. Halle, and F. Lukoff, On accent and juncture in English, For Roman Jakobson, Mouton and Co., N.V., The Hague, 1956.