

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

I. R. E. Boston Audio Section
February 5, 1952, Boston

W. A. Rosenblith: The Listener, an Often Neglected Component in Hi-Fi

Annual M. I. T. Conference on Physical Electronics
March 27-29, 1952, Cambridge, Mass.

S. Aisenberg: Vacuum Studies

W. J. Lange: Vacuum Studies

S. T. Martin, W. P. Allis: DC Breakdown in Hydrogen with a Hot Cathode

Eastern Psychological Association
March 28-29, 1952, Atlantic City

W. J. McGill, W. A. Rosenblith: A Statistical Interpretation of Neural Responses to Pairs of Acoustic Clicks

Physiological Society
April 14-18, 1952, New York

W. A. Rosenblith, M. R. Rosenzweig: Latency of Neural Components in Round Window Response to Pure Tones

Federated Society of Biologists
April 16, 1952, New York

W. Pitts, P. Wall, J. Y. Lettvin: Sources and Sinks in the Spinal Cord

American Physical Society
May 1-3, 1952, Washington, D. C.

B. Bederson, V. Jaccarino: Precision Measurements of the Hyperfine Structure of Rb^{85} and Rb^{87}

J. G. King, V. Jaccarino: On the Anomalous Spin Gyromagnetic Ratio of the Electron

H. E. Rorschach, Jr., M. A. Herlin: The Resistance Minimum in Magnesium at Low Temperatures

MEETING PAPERS PRESENTED (continued)

Institute on the Administration and Use of Technical
Research Reports, Science-Technology Division of the
Special Libraries Association
May 30-31, 1952, New York

J. H. Hewitt: Building a Collection of Technical Reports

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

- W. P. Allis, S. C. Brown: High-Frequency Electrical Breakdown
of Gases (Phys. Rev.)
- D. K. Bailey, R. Bateman, L. V. Berkner, H. G. Booker,
G. F. Montgomery, E. M. Purcell, W. W. Salisbury,
J. B. Wiesner: A New Kind of Radio Propagation at
Very High Frequencies Observable over Long Distances
(Phys. Rev.)
- Y. Bar-Hillel: The Present State of Research in Mechanical
Translation (Language)
- S. C. Brown, D. J. Rose: Methods of Measuring the Prop-
erties of Ionized Gases at High Frequencies. I. Measure-
ments of Q (J. Appl. Phys.)
- W. B. Davenport, Jr.: An Experimental Study of Speech-Wave
Probability Distributions (J. Acoust. Soc. Am.)
- E. E. David, Jr.: RF Phase Control in Pulsed Magnetrons
(Proc. I.R.E.)
- E. M. Gyorgy, G. G. Harvey: The Spectroscopy of the
Solid State: Copper and Chromium (Phys. Rev.)
- A. V. Phelps, O. T. Fundingsland, S. C. Brown: Microwave
Determination of the Probability of Collision for Slow
Electrons in Gases (Phys. Rev.)
- D. J. Rose, S. C. Brown: Methods of Measuring the Prop-
erties of Ionized Gases at High Frequencies. II. Measure-
ment of Electric Field (J. Appl. Phys.)
- R. E. Scott: Network Synthesis by the Use of Potential
Analog (Proc. I.R.E.)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- H. R. Johnson, M. W. P. Strandberg: Broadening of Micro-
wave Absorption Lines by Collisions with the Cell Walls
(Phys. Rev.)
- W. Krag: A Dewar for Introducing Liquid Helium Below the
Experimental Apparatus (R.S.I.)

TECHNICAL REPORTS PUBLISHED

(The technical reports listed here may be obtained from the Document Office, 20-B-221, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.)

- No. 212 J. T. Eisinger, B. Bederson: The Magnetic Moment and Hyperfine Structure Anomaly of K^{40}
- No. 218 C. P. Hadley: Thermionic Emission from Oxide-Coated Tungsten Filaments
- No. 220 A. V. Phelps, S. C. Brown: Positive Ions in the Afterglow of a Low-Pressure Helium Discharge
- No. 221 R. M. Howe: Probe Studies of Energy Distributions and Radial Potential Variations in a Low-Pressure Mercury Arc
- No. 222 S. C. Brown, D. J. Rose: Methods of Measuring the Properties of Ionized Gases at High Frequencies. I. Measurements of Q
- No. 223 D. J. Rose, S. C. Brown: Methods of Measuring the Properties of Ionized Gases at High Frequencies. II. Measurement of Electric Field
- No. 226 J. P. Costas: Coding with Linear Systems

