

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

American Academy of Arts and Sciences
October 14, 1953, Boston

J. B. Wiesner: A Newly Discovered Mode of Radio Propagation

Gaseous Discharge Conference
October 22-24, 1953, Washington, D. C.

L. Gould: A Microwave Measurement of the Velocity Dependence of the Collision Cross Section of Slow Electrons in Helium

Department of Physics Colloquium, New York University
November 10, 1953, New York

V. Jaccarino: Atomic Beam Nuclear Structure

Annual Convention of American Speech and Hearing Association
November 23-25, 1953, New York

W. A. Rosenblith: Electrical Activity in the Nervous System in Response to Acoustic Stimuli (invited paper)

3rd National Congress of Electrical and Mechanical Engineering
November 30-December 5, 1953, Mexico City

M. V. Cerrillo: Amplificador de Audio con Canales Multiples

3rd International Conference on Low-Temperature Physics
December 17-22, 1953, Houston, Texas

M. A. Herlin: Transport Properties of Dilute Alloys of Manganese in Magnesium at Liquid Helium Temperature (invited paper)

American Association for the Advancement of Science
December 26-31, 1953, Boston

C. M. Witcher: Some Communication Aspects of Visual Prosthesis

Conference on the Validation of Scientific Theories (American Academy of Arts and Sciences, Institute for the University of Science, National Science Foundation)
December 27-30, 1953, Boston (joint meeting with AAAS)

W. S. McCulloch: *Mysterium Iniquitatis* (Of Sinful Man Aspiring Into the Place of God)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION

W. P. Allis, D. J. Rose: The Transition from Free to Ambipolar Diffusion (Phys. Rev.)

B. F. Burke, M. W. P. Strandberg, V. W. Cohen, W. S. Koski: The Nuclear Magnetic Moment of S^{35} by Microwave Spectroscopy (Phys. Rev.)

L. Gould, S. C. Brown: Methods of Measuring the Properties of Ionized Gases at High Frequencies. IV. A Null Method of Measuring the Discharge Admittance (J. Appl. Phys.)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION (continued)

- E. M. Gyorgy, G. G. Harvey: The Spectroscopy of the Solid State: Some of the Transition Elements (Phys. Rev.)
- F. Lee: Discussion of "Synthesis of Optimum Feedback Systems Satisfying a Power Limitation" by J. H. Westcott (Trans. ASME Annual Meeting, 1953)
- F. M. Reza: Conversion of a Brune Cycle with an Ideal Transformer into a Cycle without an Ideal Transformer (Trans. I.R.E., Professional Group on Circuit Theory)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- F. Bitter, H. Feshbach: On Nuclear Radii (Phys. Rev.)

TECHNICAL REPORTS PUBLISHED

- No. 125 H. E. Rorschach, Jr., M. A. Herlin: An Induction Method of Measuring Electrical Resistivity
- No. 243 G. M. Rodgers: A Method of Measuring Frequency Detector Response
- No. 250 I. Uygur: Correlation Functions and Spectra of Music and Speech
- No. 256 L. Gould, S. C. Brown: Methods of Measuring the Properties of Ionized Gases at High Frequencies. IV. A Null Method of Measuring the Discharge Admittance
- No. 259 R. D. Stuart, L. B. Arguimbau, E. E. Manna, G. M. Rodgers: The Use of Frequency Modulation for Television Transmission