

PUBLICATIONS AND REPORTS

Meeting Papers Presented

American Physical Society, New York, February 2-4, 1950

W. C. Dickinson: Factors Influencing the Positions of Nuclear Magnetic Resonance

R. B. Lawrance: Centrifugal Distortion in the Formaldehyde Molecule

L. Tisza: The Theory of Superconductivity

IRE National Convention, New York, March 6-9, 1950

L. B. Arguimbau, J. Granlund: Frequency Modulation Interference

M. V. Cerrillo: Study of Transient Effects by a New Method

J. P. Chisholm, E. F. Buckley, G. W. Farnell: A High-Capacity Matrix-Commutated Radio Telemetry System

E. E. David, Jr.: Some Aspects of R-F Phase Control in Microwave Oscillators

W. H. Kautz: Applications of the Integral Approximation Method of Transient Evaluation

Y. W. Lee, J. B. Wiesner: Experimental Determination of System Functions by the Method of Correlation

H. E. Singleton: A Digital Electronic Correlator

Low Temperature Conference, Georgia Institute of Technology, March 20-21, 1950

C. D. Fulton: Heat Switches for Cyclic Demagnetization

American Physical Society, Washington, D. C., April 27-29, 1950

J. Brossel, P. Sagalyn, F. Bitter: The Optical Detection of Radio-Frequency Resonance

Journal Articles Accepted for Publication

Y. W. Lee, J. B. Wiesner: Correlation Functions and Some of Their Applications (Electronics)

M. T. Weiss, M. W. P. Strandberg, R. B. Lawrance, C. C. Loomis: On the Nuclear Spin of B^{10} (Phys. Rev.)

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Letters to the Editor Accepted for Publication

W. C. Dickinson: Dependence of the F^{19} Nuclear Resonance Position on Chemical Compound (Phys. Rev.)

J. R. Terrall: The Motion of Particles in a Traveling Wave Linear Accelerator (Phys. Rev.)

Technical Reports Published

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

No. 115 Nic Knudtson: Experimental Study of Statistical Characteristics of Filtered Random Noise

No. 128 R. K. Steinberg: Hot-Cathode Arcs in Cesium Vapor

No. 132 S. C. Brown, A. D. MacDonald: Limits for the Diffusion Theory of High-Frequency Gas Discharge Breakdown

No. 133 A. D. MacDonald, S. C. Brown: High Frequency Gas Discharge Breakdown in Hydrogen

No. 134 A. D. MacDonald, S. C. Brown: Electron Diffusion in a Spherical Cavity

No. 135 M. A. Biondi, S. C. Brown: Measurement of Electron-Ion Recombination

Special Publication

Proceedings of the International Conference on the Physics of Very Low Temperatures