PUBLICATIONS AND REPORTS

Meeting Papers Presented


H. H. Kolm, M. A. Herlin: Pressure Dependence of the Viscosity of Liquid Helium
R. D. Maurer, M. A. Herlin: Pressure Dependence of Second-Sound Velocity in Helium II


J. M. Bailey: Probe Measurements in Low-Pressure Mercury Arcs
A. R. Hutson: Experiments on the Attainment of Ultra-High Vacuums
H. S. Jarrett: Photoelectric Properties on Thin Films of Germanium
R. T. Watson: Conductivity and Emission Properties of Oxide Cathodes


J. Brossel: Optical Detection of R-F Resonance Lifetime of the $^3P_1$ State of Hg
E. M. Gyorgy, R. H. Kingston: A High-Vacuum Recording Spectrograph for the Study of Solids in the 50-1000A Range
V. Jaccarino, J. G. King: The Hyperfine Structure of the $^2P_{1/2}$ Metastable State of the Chlorine Isotopes

American Physical Society, Schenectady, N. Y., June 14-16, 1951.

B. V. Gokhale, H. R. Johnson, M. W. P. Strandberg: Interaction of Electronic States with the Rotation Spectrum

Journal Articles Accepted for Publication

R. B. Lawrance, M. W. P. Strandberg: Centrifugal Distortion in Asymmetric Top Molecules I. $H_2C^{12}O$ (Phys. Rev.)
L. D. Smullin, W. G. Glass: Offset Waveguide Junction as a Reactive Element (J. App. Phys.)
Letters to the Editor Accepted for Publication

V. Jaccarino, J. G. King: On the Ratio of the Nuclear Magnetic and Electric Quadrupole Interactions for Atomic Cl$^{35}$ and Cl$^{37}$ (Phys. Rev.)

W. B. Pohlman, B. Bederson, J. T. Eisinger: Determination of the Ratio of the $g_J^{2 \mathcal{S}_{1/2}}$ Values for Potassium and Hydrogen. The Gyromagnetic Ratio of the Electron (Phys. Rev.)

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. 166 W. P. Schneider, E. E. David, Jr.: Amplitude Modulation of Synchronized Microwave Oscillators

No. 169 E. E. David, Jr.: A Note on the Behavior of Mutually Coupled Oscillators

No. 175 J. C. Pitts, W. F. Wicks, E. E. David, Jr.: Locking Phenomena in Microwave Oscillators with Mismatched Loads

No. 179 R. D. Maurer, M. A. Herlin: Pressure Dependence of Second-Sound Velocity in Liquid Helium II

No. 182 C. A. Stutt: Experimental Study of Optimum Filters

No. 186 R. M. Fano: Signal-to-Noise Ratio in Correlation Detectors

No. 191 W. B. Davenport, Jr.: Correlator Errors due to Finite Observation Intervals

No. 195 S. C. Brown: High Frequency Gas Discharge Breakdown