

Bell System Technical Papers Not Published in This Journal

ANDERSON, P. W.,¹ and SUHL, H.¹

Instability in the Motion of Ferromagnets at High Microwave Power Levels, Phys. Rev., Letter to the Editor, **100**, pp. 1788-1789, Dec. 15, 1955.

ANDRUS, J., see Bond, W. L.

BEACHELL, H. C., see Veloric, H. S.

BECK, A. C.,¹ and MANDEVILLE, G. D.¹

Microwave Traveling Wave Tube Millimicrosecond Pulse Generators, I.R.E. Trans., **MTT-3**, pp. 48-51, Dec., 1955.

BENEDICT, T. S.¹

Single-Crystal Automatic Diffractometer — Part II, Acta Cryst., **8**, pp. 747-752, Dec. 10, 1955.

BENNETT, W. R.¹

Application of the Fourier Integral in Circuit Theory and Circuit Problems, I.R.E. Trans., **CT-2, 3**, pp. 237-243, Sept., 1955.

BIONDI, F. J.¹

Corrosion-Proofing Electronic Parts Against Ozone, Ceramic Age, **66**, p. 39, Oct., 1955.

BOND, W. L.¹

Single-Crystal Automatic Diffractometer — Part I, Acta Cryst., **8**, pp. 741-746, Dec. 10, 1955.

¹ Bell Telephone Laboratories, Inc.

BOND, W. L.,¹ AND ANDRUS, J.¹

Photographs of the Stress Field Around Edge Dislocations, Phys. Rev., Letter to the Editor, **101**, p. 1211, Feb. 1, 1956.

BOYLE, W. S., See Germer, L. H.

BOYLE, W. S.,¹ and HAWORTH, F. E.¹

Glow-to-Arc Transitions, Phys. Rev., **101**, pp. 935-938, Feb. 1, 1956.

BOZORTH, R. M.¹

The Physics of Magnetic Materials, Elec. Engg., **75**, pp. 134-140, Feb. 1956.

BRIDGERS, H. E.¹

A Modern Semiconductor — Single Crystal-Germanium, Chem. and Engg. News, **34**, p. 220, Jan., 1956.

BURRUS, C. A.,¹ and GORDY, W.⁵

Millimeter and Submillimeter Wave Spectroscopy, Phys. Rev., **101**, pp. 599-603, Jan. 15, 1956.

CHYNOWETH, A. G.¹

Dynamic Method for Measuring the Pyroelectric Effect with Special Reference to Barium Titanate, J. Appl. Phys., **27**, pp. 78-84, Jan., 1956.

CUTLER, C. C.¹

Spurious Modulation of Electron Beams, Proc. I.R.E., **44**, pp. 61-64, Jan., 1956.

DAVIS, H. M., see Wernick, J. H.

DUNCAN, R. A.,¹ and STONE, J. A., JR.¹

A Survey of the Application of Ferrites to Inductor Design, Proc. I.R.E., **44**, pp. 4-13, Jan., 1956.

¹ Bell Telephone Laboratories, Inc.

⁵ Duke University.

FEHER, G.,¹ FLETCHER, R. C.,¹ and GERE, E. A.¹

Exchange Effects in Spin Resonance of Impurity Atoms in Silicon, Phys. Rev., Letter to the Editor, **100**, pp. 1784-1785, Dec. 15, 1955.

FELDMANN, W. L., see Pearson, G. L.

FEWER, D. R.¹

Design Principles for Junction Transistor Audio Power Amplifiers, I.R.E. Trans., **AU-3**, pp. 183-201, Nov.-Dec., 1955.

FLASCHEN, S. S.,¹ and VAN UITERT, L. G.¹

New Low Contact Resistance Electrode, J. Appl. Phys., Letter to the Editor, **27**, p. 190, Feb., 1956.

FLETCHER, R. C., see Feher, G.

FRY, T. C.¹

Mathematics as a Profession Today in Industry, Am. Math. Monthly, **63**, pp. 71-80, Feb., 1956.

FULLER, C. S., see Reiss, H.

GEBALLE, T. H., see Hrotowski, H. J.

GERE, E. A., see Feher, G.

GERMER, L. H.,¹ and BOYLE, W. S.¹

Short Arcs, Nature, Letter to the Editor, **176**, p. 1019, Nov. 26, 1955.

GERMER, L. H.,¹ and BOYLE, W. S.¹

Two Distinct Types of Short Arcs, J. Appl. Phys., **27**, pp. 32-39, Jan., 1956.

GIANOLA, U. F.¹

Photovoltaic Noise in Silicon Broad Area p-n Junctions, J. Appl. Phys., **27**, pp. 51-53, Jan., 1956.

GORDY, W., see Burrus, C. A.

¹ Bell Telephone Laboratories, Inc.

HAGELBARGER, D. W., see Pfann, W. G.; Shannon, C. E.; and Williams, H. J.

HAGSTRUM, H. D.¹

Electron Ejection from Metals by Positive Ions, Appl. Sci. Res. **B5**, Nos. 1-4, pp. 16-17, 1955.

HAWORTH, F. E., see Boyle, W. S.

HERRING, C.,¹ and VOGT, E.¹

Transport and Deformation Potential Theory for Many-Valley Semiconductors with Anisotropic Scattering, Phys. Rev., **101**, pp. 944-961, Feb. 1, 1956.

HERRMANN, D. B., see Williams, J. C.

HOLDEN, A. N.,¹ MERZ, W. J.,¹ REMEIKKA, J. P.,¹ and MATTHIAS, B. T.¹

Properties of Guanidine Aluminum Sulfate Hexahydrate and Some of its Isomorphs, Phys. Rev., **101**, pp. 962-967, Feb. 1, 1956.

HOROTOWSKI, H. J.,¹ MORIN, F. J.,¹ GEBALLE, T. H.,¹ and WHEATLEY, G. H.¹

Hall Effect and Conductivity of InSb, Phys. Rev., **100**, pp. 1672-1677, Dec. 15, 1955.

INGRAM, S. B.¹

The Graduate Engineer His Training and Utilization in Industry Elec. Engg., **75**, pp. 167-170, Feb., 1956.

KAPLAN, E. L.¹

Transformation of Stationary Random Sequences, Mathematica Scandinavica, **3**, FASCI, pp. 127-149, June, 1955.

LEWIS, H. W.¹

Superconductivity and Electronic Specific Heat, Phys. Rev., **101**, pp. 939-940, Feb. 1, 1956.

MANDEVILLE, G. D., see Beck, A. C.

¹ Bell Telephone Laboratories, Inc.

MATTHIAS, B. T., see Holden, A. N.

MERZ, W. J., see Holden, A. N.

MILLER, L. E.¹

Negative Resistance Regions in the Collector Characteristics of the Point-Contact Transistor, Proc. I.R.E., **44**, pp. 65-72, Jan., 1956.

MOLL, J. L.,¹ and ROSS, I. M.¹

The Dependence of Transistor Parameters on the Distribution of Base Layer Resistivity, Proc. I.R.E., **44**, pp. 72-78, Jan., 1956.

MONTGOMERY, H. C., See Pearson, G. L.

MORIN, F. J., see Hrotowski, H. J.

MUMFORD, W. W.,¹ and SCHAFFERMAN, R. L.¹

Data on the Temperature Dependence of X-Band Fluorescent Lamp Noise Sources, I.R.E. Trans., **MTT-3**, pp. 12-16, Dec., 1955.

NESBITT, E. A., see Williams, H. J.

OLMSTEAD, P. S.¹

QC Concepts Useful in OR, Ind. Qual. Cont., **12**, pp. 11, 14-17, Oct., 1955.

OWENS, C. D.¹

Stability Characteristics of Molybdenum Permalloy Powder Cores, Elec. Engg., **74**, pp. 252-256, Feb., 1956.

PEARSON, G. L.,¹ MONTGOMERY, H. C.,¹ and FELDMANN, W. L.¹

Noise in Silicon p-n Junction Photocells, J. Appl. Phys., **27**, pp. 91-92, Jan., 1956.

PFANN, W. G.,¹ and HAGELBARGER, D. W.¹

Electromagnetic Suspension of a Molten Zone, J. Appl. Phys., **27**, pp. 12-17, Jan., 1956.

¹ Bell Telephone Laboratories, Inc.

QUINLAN, A. L.³

Roll-Welding Precious Metals for Telephone Contacts, Elec. Engg., **75**, pp. 154-157, Feb., 1956.

REISS, H.,¹ and FULLER, C. S.¹

The Influence of Holes and Electrons on the Solubility of Lithium in Boron-Doped Silicon, J. of Metals, **12**, p. 276, Feb., 1956.

REMEIKA, J. P., see Holden, A. N.

ROSS, I. M., see Moll, J. L.

SCHAFFERMAN, R. L., see Mumford, W. W.

SCHAWLOW, A. L.¹

Structure of the Intermediate State in Superconductors, Phys. Rev., **101**, pp. 573-580, Jan. 15, 1956.

SCHAWLOW, A. L.,¹ and TOWNES, C. H.⁴

Effect on X-Ray Fine Structure of Deviations from a Coulomb Field near the Nucleus, Phys. Rev., **100**, pp. 1273-1280, Dec. 1, 1955.

SHANNON, C. E.,¹ and HAGELBARGER, D. W.¹

Concavity of Resistance Functions, J. Appl. Phys., **27**, pp. 42-43, Jan, 1956.

SIMKINS, Q. W.,¹ and WOGELSONG, J. H.¹

Transistor Amplifiers for Use in a Digital Computer, Proc. I.R.E., **44**, pp. 43-54, Jan., 1956.

SNOKE, L. R.¹

Specific Studies on the Soil-Block Procedure for Bioassay of Wood Preservatives, Appl. Microbiology, **4**, pp. 21-31, Jan., 1956.

SOUTHWORTH, G. C.¹

Early History of Radio Astronomy, Sci. Mo., **82**, pp. 55-66, Feb., 1956.

¹ Bell Telephone Laboratories, Inc.

³ Western Electric Company.

⁴ Columbia University.

STONE, H. A., see Duncan, R. A.

SUHL, H., see Anderson, P. W.

THOMAS, E. E.¹

Tin Whisker Studies — Observation of some Hollow Whiskers and Some Sharply Irregular External Forms, Letter to the Editor, *Acta Met.*, **4**, p. 94, Jan., 1956.

TOWNES, C. H., see Schawlow, A. L.

TOWNSEND, M. A.¹

A Hollow Cathode Glow Discharge with Negative Resistance, *Appl. Sci. Research, Sec. B*, **5**, pp. 75-78, 1955.

VALDES, L. B.¹

Frequency Response of Bipolar Transistors with Drift Fields, *Proc. I.R.E.*, **44**, pp. 178-184, Feb., 1956.

VAN UITERT, L. G., see Flaschen, S. S.

VELORIC, H. S.,¹ and BEACHELL, H. C.⁶

Absorption Isotherms, Isobars and Isoterics of Diborane on Palladium on Charcoal and Boron Nitride, *J. Phys. Chem.*, **60**, p. 102, Jan., 1956.

VOGELSONG, J. H., see Simkins, Q. W.

VOGT, E., see Herring, C.

WEIBEL, E. S.¹

Strains and the Energy in Thin Elastic Shells of Arbitrary Shape for Arbitrary Deformation, *Zeitschrift f. Mathematik and Physik*, **6**, pp. 153-189, May 25, 1955.

WERNICK, J. H.,¹ and DAVIS, H. M.⁷

Preparation and Inspection of High-Purity Copper Single Crystals, *J. Appl. Phys.*, **27**, pp. 144-153, Feb., 1956.

¹ Bell Telephone Laboratories, Inc.

⁶ University of Delaware.

⁷ Penn State University.

WHEATLEY, G. H., see Hrotowski, H. J.

WILLIAMS, H. J.,¹ HEIDENREICH, R. D.,¹ and NESBITT, E. A.¹

Mechanism by which Cobalt Ferrite Heat Treats in a Magnetic Field,
J. Appl. Phys., **27**, pp. 85-89, Jan., 1956.

WILLIAMS, J. C.,¹ and HERRMANN, D. B.¹

**Surface Resistivity of Non-Porous Ceramic and Organic Insulating
Materials at High Humidity with Observations of Associated Silver
Migration,** I.R.E. Trans., PGRQC-6, pp. 11-20, Feb., 1956.

WOOD, MRS. E. A.¹

A Heated Sample-Holder for X-Ray Diffractometer Work, Rev. Sci.
Instr., **27**, p. 60, Jan., 1956.

¹ Bell Telephone Laboratories, Inc.