

Bell System Technical Papers Not Published in this Journal

AARON, M. R.¹

The Use of Least Squares in Network Design, Trans. I.R.E., PGCT, CT-3, pp. 224-231, Dec., 1956.

ANDERSON, J. R.¹

A New Type of Ferroelectric Shift Register, Trans. I.R.E., PGEC, EC-5, pp. 184-191, Dec., 1956.

ANDERSON, P. W., see Clogston, A. M.

ANDREATCH, P., JR.,¹ and THURSTON, R. N.¹

Disk-Loaded Torsional Wave Delay Line. I—Construction and Test, J. Acous. Soc. Am., 29, pp. 16-19, Jan., 1957.

AUGUSTYNIAK, W. M., see Wertheim, G. K.

BALA, V. B., see Matthias, B. T.

BASHKOW, T. R.,¹ and DESOER, C. A.¹

A Network Proof of a Theorem on Hurwitz Polynomials and its Generalization, Quarterly Appl. Math., 14, pp. 423-426, Jan., 1957.

BOND, W. L., see McSkimin, H. J.

BOZORTH, R. M.¹

Magnetic Properties of Materials, Am. Inst. Phys. Handbook, Chapter 5, pp. 206-244, Feb., 1957.

BREIDT, P., JR.,¹ GREINER, E. S., and ELLIS, W. C.¹

Dislocations in Plastically Indented Germanium, Acta Met., Letter to the Editor, 5, p. 60, Jan., 1957.

¹ Bell Telephone Laboratories.

BRIDGERS, H. E., see tabulation at the end.

BRIDGERS, H. E., see tabulation at the end.

BURKE, P. J.

The Output of a Queueing System, Operations Research, **4**, pp. 699-704, Dec., 1956.

CLEMENCY, W. F.,¹ ROMANOW, F. F.,¹ and ROSE, A. F.²

The Bell System Speakerphone, Elec. Engg., **76**, pp. 189-194, March, 1957.

CLOGSTON, A. M.,¹ SUHL, H.,¹ WALKER, L. R.,¹ and ANDERSON, P. W.¹

Ferromagnetic Resonance Line Width in Insulating Materials, J. Phys. Chem. Solids, **1**, pp. 129-136, Nov., 1956.

CORENZWIT, E., see Matthias, B. T.

D'AMICO, C.,¹ and HAGSTRUM, H. D.¹

An Improvement in the Use of the Porcelain Rod Gas Leak, Rev. Sci. Instr., **28**, p. 60, Jan., 1957.

DESOER, C. A., see Bashkow, T. R.

DILLON, J. F., JR.¹

Ferrimagnetic Resonance in Yttrium Iron Garnet, Phys. Rev., Letter to the Editor, **105**, pp. 759-760, Jan. 15, 1957.

DITZENBERGER, J. A., see Fuller, C. S.

DOBA, S., JR.¹

The Measurement and Specification of Nonlinear Amplitude Response Characteristics in Television, Proc. I.R.E., **45**, pp. 161-165, Feb., 1957.

EDELSON, D., see tabulation at the end.

¹ Bell Telephone Laboratories.

² American Telephone and Telegraph Company.

ELLIS, W. C., see Breidt, P., Jr.

EVANS, D. H.¹

A Positioning Servomechanism With A Finite Time Delay and A Signal Limiter, *Trans. I.R.E., PGAC, AC-2*, pp. 17-28, Feb., 1957.

FLASCHEN, S. S., see tabulation at the end.

FLASCHEN, S. S., see Garn, P. D.

FRY, T. C.¹

Automatic Computer in Industry, *Am. Stat. Assoc. J.*, **51**, pp. 565-575, Dec., 1956.

FULLER, C. S.,¹ and DITZENBERGER, J. A.¹

Effect of Structural Defects in Germanium on the Diffusion and Acceptor Behavior of Copper, *J. Appl. Phys.*, **28**, pp. 40-48, Jan., 1957.

FULLER, C. S.,¹ and MORIN, F. J.¹

Diffusion and Electrical Behavior of Zinc in Silicon, *Phys. Rev.*, **105**, pp. 379-384, Jan. 15, 1957.

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

GALT, J. K.,¹ AND KITTEL, C.⁴

Ferromagnetic Domain Theory, Solid State Physics: Advances in Research and Applications (book), 3, pp. 437-564, 1956, Academic Press, Inc., New York.

GARN, P. D.,¹ and FLASCHEN, S. S.¹

Analytical Applications of Differential Thermal Analysis Apparatus, *Anal. Chem.*, **29**, pp. 271-275, Feb., 1957.

GARN, P. D., and FLASCHEN, S. S.

Detection of Polymorphic Phase Transformations by Continuous Measurement of Electrical Resistance, *Anal. Chem.*, **29**, pp. 268-271, Feb., 1957.

¹ Bell Telephone Laboratories.

⁴ University of California, Berkeley.

GARN, P. D., see tabulation at the end.

GAST, R. W.⁵

Field Experience with the A2A Video System, Elec. Engg., **76**, pp. 44-49, Jan., 1957.

GEBALLE, T. H., see Kunzler, J. E.

GIBBONS, J. F.¹

A Simplified Procedure for Finding Fourier Coefficients, Proc. I.R.E., Letter to the Editor, **45**, p. 243, Feb., 1957.

GREINER, E. S., see Breidt, P., Jr.

GROSS, W. A.¹

The Second Fundamental Problem of Elasticity Applied to a Plane Circular Ring, J. Appl. Math. and Phys., **8**, pp. 71-73, 1957.

GOULD, H. L. B., and WENNY, D. H.¹

Supermendur — A New Rectangular-Loop Magnetic Material, Elec. Engg., **76**, pp. 208-211, March, 1957.

HAGSTRUM, H. D.¹

Effect of Monolayer Adsorption on the Ejection of Electrons from Metals by Ions, Phys. Rev., **104**, pp. 1516-1527, Dec. 15, 1956.

HAGSTRUM, H. D., see D'Amico, C.

HAMMING, R. W.¹

Harnessing the Digital Computers, Columbia Engg. Quarterly, **10**, pp. 16-19, 54, March, 1957.

HANSON, R. L.,¹ and KOCK, W. E.¹

Interesting Effect Produced by Two Loudspeakers Under Free Space Conditions, J. Acous. Soc. Am. Letter to the Editor, **29**, p. 145, Jan., 1957.

¹ Bell Telephone Laboratories.

⁵ New York Telephone Company.

HAWKINS, W. L., see tabulation at the end.

HERRING, C.¹

Theoretical Ideas Pertaining to Traps or Centers, Photoconductivity Conference (book), pp. 81-110, 1956. John Wiley & Sons, New York.

HULL, G. W., see Kunzler, J. E.

KARP, A.¹

Japanese Technical Captions, Proc. I.R.E., Letter to the Editor, 45, p. 93, Jan., 1957.

KING, B. G.¹

Discussion on "An Investigation into Some Fundamental Properties of Strip Transmission Lines with the Aid of an Electrolytic Tank", Proc. I.R.E., 104, p. 72, Jan., 1957.

KITTEL, C., see Galt, J. K.

KOCK, W. E., see Hanson, R. L.

KOWALCHIK, M., see Thurmond, C. D.

KUNZLER, J. E.,¹ GEBALLE, T. H.,¹ and HULL, G. W.¹

Germanium Resistance Thermometers Suitable for Low-Temperature Calorimetry, Rev. Sci. Instr., 28, pp. 96-98, Feb., 1957.

KULKE, B.,¹ and MILLER, S. L.¹

Accurate Measurement of Emitter and Collector Series Resistances in Transistors, Proc. I.R.E., Letter to the Editor, 45, p. 90, Jan., 1957.

KUNZLER, J. E., see tabulation at the end.

LANDER, J. J., see Thomas, D. G.

LAW, J. T., see tabulation at the end.

¹ Bell Telephone Laboratories.

LUNDBERG, C. V., see tabulation at the end.

LUNDBERG, J. L., see tabulation at the end.

MATTHIAS, B. T.,¹ WOOD, E. A.,¹ CORENZWIT, E.,¹ and BALA, V. B.¹

Superconductivity and Electron Concentration, *J. Phys. Chem. Solids*, **1**, pp. 188-190, Nov., 1956.

McMILLAN, B.¹

Two Inequalities Implied by Unique Decipherability, *Trans. I.R.E., PGIT, IT-2*, pp. 115-116, Dec., 1956.

McSKIMIN, J. H.,¹ and BOND, W. L.¹

Elastic Moduli of Diamond, *Phys. Rev.*, **105**, pp. 116-121, Jan. 1, 1957.

MENDIZZA, A.¹

The Standard Salt Spray Test — Is It A Valid Acceptance Test?, *Plating*, **44**, pp. 166-175, Feb., 1957.

MENDIZZA, A.¹

The Standard Salt Spray Test — Is It A Valid Acceptance Test?, *Symposium on Properties, Tests and Performance of Electrodeposited Metallic Coatings*, A.S.T.M. Special Tech. Publication 197, pp. 107-117, 1957.

MILLER, R. C., see Smits, F. M.

MILLER, S. L., see Kulke, B.

MORIN, F. J., see Fuller, C. S.

NELSON, L. S., see Tabulation at the end.

PALMQUIST, T. F.⁶

Multiunit Neutralizing Transformers, *Elec. Engg.*, **76**, p. 201, March, 1957.

¹ Bell Telephone Laboratories.

⁶ Bell Telephone Company of Canada, Montreal.

PATERSON, E. G. D.¹

Some Observations on Quality Assurance and Reliability, Proc. Third National Symp. on Reliability and Quality Control in Electronics, pp. 129-132, Jan., 1957.

PIETRUSZKIEWICZ, A. J., see Reiss, H.

POTTER, J. F., see tabulation at the end.

PRINCE, E.,¹ and TREUTING, R. G.¹

The Structure of Tetragonal Copper Ferrite, Acta Cryst., **9**, pp. 1025-1028, Dec., 1956.

READ, M. H., see Van Uitert, L. G.

READ, W. T., JR.¹

Dislocation Theory of Plastic Bending, Acta Met., **5**, pp. 83-88, Feb., 1957.

REISS, H.¹

Theory of the Ionization of Hydrogen and Lithium in Silicon and Germanium, J. Chem. Phys., **25**, pp. 681-686, Oct., 1956.

REISS, H., see tabulation at the end.

REISS, H.,¹ FULLER, C. S.,¹ and PIETRUSZKIEWICZ, A. J.¹

Solubility of Lithium in Doped and Undoped Silicon, Evidence for Compound Formation, J. Chem. Phys., **25**, pp. 650-655, Oct., 1956.

ROMANOW, F. F., see Clemency, W. F.

ROSE, A. F., see Clemency, W. F.

ROSE, D. J.¹

Microplasmas in Silicon, Phys. Rev., **105**, pp. 413-418, Jan. 15, 1957.

SCHLABACH, T. D., see tabulations at the end.

¹ Bell Telephone Laboratories.

SCHNETTLER, F. J., see Van Uitert, L. G.

SEIDEL, H.¹

Ferrite Slabs in Transverse Electric Mode Wave Guide, *J. Appl. Phys.*, **28**, pp. 218-226, Feb., 1957.

SLICHTER, W. P., see tabulation at the end.

SMITS, F. M.,¹ and MILLER, R. C.¹

Rate Limitation at the Surface for Impurity Diffusion in Semiconductors, *Phys. Rev.*, **104**, pp. 1242-1245, Dec. 1, 1956.

SUHL, H.¹

The Theory of Ferromagnetic Resonance at High Signal Powers, *J. Chem. and Phys. of Solids*, **1**, pp. 209-227, Jan., 1957.

SUHL, H., see Clogston, A. M.

TIEN, P. K.¹

The Backward-Traveling Power in the High Power Traveling-Wave Amplifiers, *Proc. I.R.E.*, Letter to the Editor, **45**, p. 87, Jan., 1957.

THOMAS, D. G.,¹ and LANDER, J. J.¹

Hydrogen as a Donor in Zinc Oxide, *J. Chem. Phys.*, **25**, pp. 1136-1142, Dec., 1956.

THURMOND, C. D.,¹ TRUMBORE, F. A.,¹ and KOWALCHIK, M.¹

Germanium Solidus Curves, *J. Chem. Phys.*, Letter to the Editor, **25**, pp. 799-800, Oct., 1956.

THURSTON, R. N.¹

Disk-Loaded Torsional Wave Delay Line. II — Theoretical Interpretation of Results and Design Information, *J. Acous. Soc. Am.*, **29**, pp. 20-25, Jan., 1957.

THURSTON, R. N., see Andreatch, P., Jr.

¹ Bell Telephone Laboratories.

TREUTING, R. G., see Prince, E.

TRUMBORE, F. A., see Thurmond, C. D.

VAN UITERT, L. G.,¹ READ, M. H.,¹ and SCHNETTLER, F. J.¹

Permanent Magnet Oxides Containing Divalent Metal Ions—I, J. Appl. Phys., Letter to the Editor, **28**, pp. 280-281, Feb., 1957.

VAN UITERT, L. G.,¹ see tabulation at the end.

WALKER, L. R., see Clogston, A. M.

WENNY, D. H., see Gould, H. L.

WERNICK, J. H., see tabulation at the end.

WERTHEIM, G. K.,¹ and AUGUSTYNIAK, W. M.¹

Measurement of Short Carrier Lifetimes, Rev. Sci. Instr., **27**, pp. 1062-1064, Dec., 1956.

WOOD, E. A., see Matthias, B. T.

YERKES, E. P.⁷

Comfort A. Adams 1956 Edison Medalist — Medal History, Elec. Engg., **76**, p. 224, March, 1957.

THE ENCYCLOPEDIA OF CHEMISTRY — BOOK PUBLISHED BY REINHOLD PRESS, NEW YORK, JANUARY, 1957.

BRIDGERS, H. E., **Germanium and Its Compounds**, p. 445, and **Semiconductors**, pp. 852-583.

EDELSON, D., **Polar Molecules**, pp. 767-769.

FLASCHEN, S. S., **Calcination**, pp. 161-162.

GARN, P. D., **Electrolysis**, pp. 341-342.

HAWKINS, W. L., **Autoxidation**, p. 116.

¹ Bell Telephone Laboratories.

⁷ Bell Telephone Company of Pennsylvania, Philadelphia.

KUNZLER, J. E., **Calorimetry**, pp. 163-165.

LAW, J. T., **Vacuum Techniques**, pp. 964-965.

LUNDBERG, C. C., **Antiozonants**, pp. 97-98, and **Solutions**, pp. 873-874.

NELSON, L. S., **Olefin Compounds**, pp. 661-663.

POTTER, J. F., **Porosity**, pp. 775-776.

REISS, H., **Thermodynamics**, pp. 930-933.

SCHLABACH, T. D., **Photometric Analysis**, pp. 735-736.

SLICHTER, W. P., **Paramagnetism**, p. 700.

VAN UITERT, L. G., **Equilibrium**, pp. 363-364.

WERNICK, J. H., **Carbonates**, pp. 173-174.