

Bell System Technical Papers Not Published in This Journal

ANDERSON, O. L.,¹ and BOMMEL, H. E.¹

Ultrasonic Absorption in Fused Silica at Low Temperatures and High Frequencies, *J. Am. Ceramic Soc.*, **38**, pp. 125-131, April, 1955.

BOMMEL, H. E., see Anderson, O. L.

BUEHLER, E., See Fuller, C. S.

CALLAWAY, JOSEPH¹

Orthogonalized Plane Wave Method, *Phys. Rev.*, **97**, pp. 933-936, Feb. 15, 1955.

COOPER, H. G.,¹ KOEHLER, J. S.,⁵ and MARX, J. W.⁶

Irradiation Effects in Cu, Ag, and Au Near 10°K, *Phys. Rev.*, **97**, pp. 599-607, Feb. 1, 1955.

CUTLER, C. C.,¹ and HINES, M. E.¹

Thermal Velocity Effects in Electron Guns, *Proc. I.R.E.*, **43**, pp. 307-315, March, 1955.

CUTLER, C. C.,¹ and SALOOM, J. A.¹

Pin-Hole Camera Investigation of Electron Beams, *Proc. I.R.E.*, **43**, pp. 299-306, March, 1955.

DAVEY, J. R.,¹ and HANLEY, F. H.,² and PURVIS, M. R.¹

A New Telegraph Serviceboard Using Electronic Circuits, *A.I.E.E. Commun. and Electronics*, **17**, pp. 30-37, March, 1955.

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

¹ Bell Telephone Laboratories, Inc.

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⁵ University of Illinois, Urbana, Illinois

⁶ Phillips Petroleum Company, Bartlesville, Oklahoma

EDER, M. MISS,¹ WARNER, R.,¹ and KEENE, F.¹

Statistically Designed Experiment of the Factorial Type Applied to Point-Contact Transistors, Proc. I.R.E. National Symposium on Quality Control and Reliability in Electronics, Nov. 12-13, 1954.

FULLER, C. S.,¹ DITZENBERGER, J. A.,¹ HANNAY, N. B.,¹ and BUEHLER, E.¹

Resistivity Changes in Silicon Single Crystals Induced by Heat Treatment, Letter to the Editor, Acta Metallurgica, **3**, pp. 97-99, Jan., 1955.

GAMBRILL, R. D.³

Controlling Extrusion of Foam Plastic on Wire, Electronics, **28**: pp. 144-145, April, 1955.

GELLER, S.,¹ MATTHIAS, B. T.,¹ and GOLDSTEIN, R.¹

Some New Intermetallic Compounds with the "β-Wolfram" Structure, J. Am. Chem. Soc., **77**, pp. 1502-1504, Mar. 20, 1955.

GELLER, S.¹

Note on the Structure of Dimethylamine-Boron Trifluoride, Letter to the Editor, Acta Crystallographica, **8**, p. 120, Feb., 1955.

GELLER, S.,¹ and WOLONTIS, V. M.¹

The Crystal Structure of CO₂Si, Acta Crystallographica, **8**, p. 83, Feb., 1955.

GILMAN, G. W., see Kelly, Mervin J.

GOLDSTEIN, R., see Geller, S.

HALSEY, R. J., see Kelly, Mervin J.

HANLEY, F. H., see Davey, J. R.

HANNAY, N. B., see Fuller, C. S.

HEARN, A. H.¹

Creosote Retention as Determined by Toluene Extraction of Treated Wood, Annual Proc. of A.W.P.A., Feb., 1955.

HEIDENREICH, R. D.¹

Transition Structure in Lead-Silver Alloys and a Dislocation Mechanism, Acta Metallurgica, **3**, pp. 79-86, Jan., 1955.

¹ Bell Telephone Laboratories, Inc.

³ Western Electric Company, Inc., Baltimore, Md.

HINES, M. E., see Cutler, C. C.

HOHN, FRANZ¹

Some Mathematical Aspects of Switching, Am. Math. Monthly, **62**, pp. 75-90, Feb., 1955.

INSKIP, L. S.,¹ and WATSON, H. N.⁹

Grounding of Portable Electric Equipment, Elec. Engg., **74**, pp. 286-291, April, 1955.

JAYCOX, E. K.¹

Spectrochemical Procedure of General Applicability, Anal. Chem., **27**, pp. 347-350, Mar., 1955.

KELLY, MERVIN J.,¹ RADLEY, SIR GORDON,⁴ GILMAN, G. W.,¹ and HALSEY, R. J.⁴

A Transatlantic Telephone Cable, A.I.E.E. Commun. and Electronics, **17**, pp. 124-136, March, 1955.

KEENE, F., see Eder, M. Miss.

KOEHLER, J. S., see COOPER, H. G.

KOHN, W., see Luttinger, J. M.

KOHN, W.⁸ and LUTTINGER, J. M.⁷

Hyperfine Splitting of Donor States in Silicon, Phys. Rev., **97**, pp. 883-888, Feb. 15, 1955.

LOUISELL, W. H.,¹ and PIERCE, J. R.¹

Power Flow in Electron Beam Devices, Proc. I.R.E., **43**, pp. 425-427, April, 1955.

LUTTINGER, J. M., see Kohn, W.

LUTTINGER, J. M.,⁷ and KOHN, W.⁸

Motion of Electrons and Holes in Perturbed Periodic Fields, Phys. Rev., **97**, pp. 869-883, Feb. 15, 1955.

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⁴ Post Office of the United Kingdom, London, England

⁷ University of Michigan, Ann Arbor, Michigan

⁸ Carnegie Institute of Technology, Pittsburgh, Pa.

⁹ General Electric Co., Bridgeport, Conn.

MARX, J. W., see Cooper, H. G.

MATTHIAS, B. T., see Geller, S.

MCCARTHY, JOHN A.¹

Search For Double Beta Decay in Ca, *Phys. Rev.*, **97**, pp. 1234-1236, Mar. 1, 1955.

MCSKIMIN, H. J.¹

Transducer Design for Ultrasonic Delay Lines, *J. Acous. Soc.*, **27**, pp. 302-309, Mar., 1955.

MENDEL, J. T.¹

Magnetic Focusing of Electron Beams, *Proc. I.R.E.*, **43**, pp. 327-331, March, 1955.

MERTZ, PIERRE¹

Transmission Line Characteristic and Effects on Pulse Transmission, *Symposium on Information Networks*, pp. 85-114, Jan., 1955.

PIERCE, J. R.¹

Propagation in Linear Arrays of Parallel Wires, *I.R.E. Trans. on Electron Devices*, PGED-2, pp. 13-24, Jan., 1955.

PIERCE, J. R.¹

Orbital Radio Relays, *Jet Propulsion*, **25**, pp. 76-78, Feb., 1955.

PIERCE, J. R., see Louisell, W. H.

PURVIS, M. R., see Davey, J. R.

RADLEY, SIR GORDAN, see Kelly, Mervin J.

RAISBECK, G.¹

Order of Magnitude of the Fourier Coefficients in Functions Having Isolated Singularities, *Am. Math. Monthly*, **62**, pp. 149-154, Mar., 1955.

READ, W. T., JR.¹

Scattering of Electrons by Charged Dislocations in Semiconductors, *Phil. Mag.*, **373**, pp. 111-131, Feb., 1955.

¹ Bell Telephone Laboratories, Inc.

ROWEN, JOHN, H.¹

Ferromagnetism at Microwave Frequencies and Its Applications,
Rad. Electronics Engg., **24**, pp. 26-28 and 40-41, April, 1955.

SALOOM, J. A., see Cutler, C. C.

SCALES, Miss E. M.,¹ and CHAPANIS, A.¹

Effect on Performance of Tilting the Toll-Operator's Keyset, J. Appl. Psychology, **38**, pp. 452-456, Dec., 1954. (listed in March issue as published by the Journal of Applied Physics.)

SOUTHWORTH, G. C.¹

The Challenge, I.R.E. Trans. on Microwave Theory and Techniques, PGMTT-3, No. 1, pp. 2-3, Jan., 1955.

TIEN, P. K.,¹ WALKER, L. R.,¹ and WOLONTIS, V. M.¹

A Large Signal Theory of Traveling-Wave Amplifiers, Proc. I.R.E., **43**, pp. 260-277, March, 1955.

TALPEY, T. E.¹

The Nature of the Uncorrelated Component of Induced Grid Noise, Proc. I.R.E., **43**, pp. 449-454, April, 1955.

WALKER, L. R., see Tien, P. K.

WARNER, R., see Eder, M. Miss.

WATSON, H. N., see Inskip, L. S.

WOLONTIS, V. M., see Geller, S.

WOLONTIS, V. M., see Tien, P. K.

VOGEL, F. L., JR.¹

Dislocations in Polygonized Germanium, Letter to the Editor, Acta Metallurgica, **3**, pp. 95, Jan., 1955.

¹ Bell Telephone Laboratories, Inc.