

A Complete Bibliography of *The Bell System Technical Journal*, 1950–1959

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254

FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)

WWW URL: <http://www.math.utah.edu/~beebe/>

16 March 2020

Version 1.07

Title word cross-reference

60-Foot [CFJ56]. **60-kmc** [Ree55].

Absorption [Bec51, Feh57]. **Abstracts** [Ano50a, Ano51a, Ano51b, Ano51c, Ano52a, Ano52b, Ano52c, Ano52d, Ano52e, Ano52f, Ano53a, Ano53b, Ano53c, Ano53d, Ano53e, Ano53f, Ano54a, Ano54b]. **Acceleration** [Stu53]. **Accounting** [Kin54]. **Activation** [GS57]. **Active** [Kin59a, SDS59]. **Addendum** [Rio53a]. **Admittance** [Edw56]. **Adsorption** [Kis58]. **Affecting** [Boz50, HE59]. **algebra** [Sta52]. **Alloyed** [EM55, ME55b]. **Along** [RL54]. **Alphabets** [Gil52, Sle56]. **Alternate** [Tru54]. **Aluminum** [BHP55, Hei51]. **AM** [Sun59]. **Among** [RFM56]. **Amplifier** [BM50]. **Amplifiers** [Ket55, LS56, MLD53, Ten56, Tho59, Tie56].

$J'_l(x)$ [Bea58]. $J_l(x)$ [Bea58]. N [Gil51a, Gil58]. Z [Hel59].

-cube [Gil58]. **-terminal** [Gil51a].

000-Mc [LMM56].

1 [Car51, KP51].

2 [BG57, RSF51, WEP55].

3d [Mor58].

5-6 [Kin56].

Amplitude [Rut58]. **Analog** [Aul59, Ble56]. **Analogue** [Dar51a]. **Analysis** [DRS56, Fuc59, HGK59, Lee55, Lou55, NA59, Pee54a, Rau59, Sum52]. **Anelasticity** [Kin59b]. **Anniversary** [Ano51j, Ano52m]. **Antenna** [CFJ56, Daw57, GM55b]. **Apparatus** [MW52]. **Appearing** [Ano50f]. **Application** [BT54, FR58, GTW53, Gra53, Hei51, Kro57, OW59, Pen58, Ung58b, Sta52]. **Applications** [FMW55, Hog52, HRR52, Kap55, Mil54a, Row53, SB59, Sou50, Wag54a, WP51, Dar58]. **Appointed** [Ano57t]. **Appraisal** [CR59]. **approach** [McC59]. **Approximations** [Des57]. **Arbitrary** [Olm58]. **Arc** [Ata53b, Ata53a, Ata55b, Ata55a, Ger51, SB59]. **Arcing** [Ata53b, Ata53a, Ata54, Ata55b, Ata55a]. **Area** [Sha51e]. **Arising** [Ric50b, Sho54]. **Armature** [MM51, Sum52]. **Arrays** [Bob57, GM55b]. **Arsenide** [Sha59b]. **Articles** [Ano50a, Ano50f]. **Artificial** [BHD59]. **Aspects** [BF59, MM57]. **Assignment** [Eva58]. **Atlantic** [GLWB57, LH57, LTLF57, MS57]. **Atmospheric** [CH56]. **Attack** [Sno57]. **Attempt** [Ric50b]. **Attenuation** [CH56, HE59, Kin56, Mar58, Mas55, Rai58, Ric57, Tho56]. **Audio** [TD53]. **Authors** [Ano50a, Ano50f, Ano50g, Ano50h, Ano51k]. **Automatic** [BD53, CO52, CS56, FPS56, Han56, Kin54, MV52, Pen58, Qui54, Rob56, Shi52, WEP55]. **Avalanche** [ME55b]. **Average** [Rio51]. **Awarded** [Ano56m].

B. [Ano57t]. **B.S.T.J.** [Ano59g]. **Ba** [Bec51]. **Balanced** [BP53]. **Band** [Loz51, Ree55, WN54]. **Bands** [Bul53, Daw57]. **Barium** [MS58]. **Barrier** [GS58, HCM55]. **Barrier-Grid** [HCM55]. **Base** [Lee56, TT56]. **Based** [Jul59]. **Basic** [Sch51]. **Beam** [DRS56, Gal59, RL54, Rig57b, Rig57a, Tie56]. **Beam-Positioning** [Gal59]. **Beams** [RP59, Rig59]. **Behavior** [FMW55, KG58]. **Bell** [Ano50a, Ano50f, Ano50g, Ano50h, Ano51a, Ano51b, Ano51c, Ano51k, Ano52a, Ano52b, Ano52c, Ano52d, Ano52e, Ano52f, Ano53a, Ano53b, Ano53c, Ano53d, Ano53e, Ano53f, Ano54a, Ano54b, Ano54c, Ano54d, Ano54e, Ano54f, Ano54n, Ano54o, Ano54p, Ano55a, Ano55b, Ano55c, Ano55d, Ano55e, Ano55f, Ano55p, Ano55q, Ano55r, Ano55s, Ano55t, Ano55u, Ano56a, Ano56b, Ano56c, Ano56d, Ano56e, Ano56f, Ano56n, Ano56o, Ano56p, Ano56q, Ano56r, Ano56s, Ano57a, Ano57b, Ano57c, Ano57d, Ano57e, Ano57f, Ano57n, Ano57o, Ano57p, Ano57q, Ano57r, Ano57s, Ano58g, Ano58h, Ano58i, Ano58j, Ano58k, Ano58l, Ano59h, Ano59i, Ano59j, Ano59k, Ano59l, Ano59m, BHP55, MR50, Sha51b, Sha51e, Sha51c, Sha51d]. **Bending** [Fuc59]. **Bends** [Ung57c, Ung57b]. **Bessel** [Bea58]. **best** [SH57]. **Between** [Bar50, BG55, Tie56]. **Beyond** [CHK59, FCH57]. **Binary** [DeL56, GM59, Llo57, Row58, Sle56, Sun59, Ulr57, Wra56, Hag59, Lee59]. **binary-decision** [Lee59]. **binomial** [SH57, SG59]. **Biological** [Sno57]. **Bivariate** [OW59]. **Block** [Col53a, Llo57]. **Blocking** [Clo53, NA59]. **Bombarded** [KO52, Ohl52]. **Boolean** [HS55, McC56a, McC56b, Sta52]. **Borocarbon** [GPV51]. **Break** [Ata54]. **Breakdown** [FR58]. **Breaking** [WM59]. **Bridges** [Wil52]. **Brillouin** [RP59]. **Broadband** [BDS58, Jac58]. **Buckled** [Hop52]. **Buildings** [Ric59]. **Bulloch** [Ano57t]. **burst** [Hag59]. **burst-correcting** [Hag59].

C [Kel51]. **C.** [Ano51i, Dar51b]. **Cable** [BHP55, EH57, Epp54, Gil51b, Hop52, JLL57, LFB57, MMVH57, MHEG57, Sno57, Win53, Woj54, Zaj57]. **Cables** [Mau51, Rai58, RL55, Sha51e]. **Calling**

[MPW58]. **Calls** [Rio53b, Wil53, Rio53a]. **Campbell** [Ano55o]. **Capacitance** [CS56, Lee58, McC57]. **Capacitors** [CS56]. **Carbon** [GPV51]. **Card** [BT54, HN53]. **Carrier** [BHP57, Car51, Ear55, EM52, HRR52, KP51, Lev58]. **Cathode** [Jen51, TD53, Tow57]. **Cavities** [SB58]. **Central** [Ell59, YCU58]. **Centralized** [Kin54]. **Certain** [McC57]. **Chain** [Row58]. **Channel** [Bab53, PK57, WEP55, Bur59, Sha59a]. **Channels** [Loz51, MM57]. **Character** [Sei57]. **Characteristic** [Kle56]. **Characteristics** [Ata53a, Bar50, FM56, MS58, Pee54a, RM58, War58]. **Charge** [RP59, Rig59, Tie56]. **Chart** [Rob58]. **Chemical** [RFM56]. **Circuit** [Ben53a, KG58, Tie56, WR51, WP51, YCU58, Sta52]. **Circuits** [And52, Ata53b, Ata53a, Ata54, Ata55a, Ble56, Han56, HV55, Mea55, Pie51b, Gil51a, HS55, Lee59]. **Circular** [Kin56, Ung57a, Ung57b, Ung57c, Ung58a, War58, Mor57]. **Class** [Sle56]. **Clogston** [Kin59c, Vaa53]. **Closing** [Ell55]. **coated** [Ung57a]. **Coaxial** [Ano53m, DKK53, Ear55, EEKG53, FW51, GTW53, Kem51, KF53, MLD53, Rai58, RM58, RG53]. **Code** [Goo51]. **Codes** [Gil58, Ham50, Ulr57, Hag59, McC59, Sha59a]. **Coding** [Jul59, Llo57, Oli52]. **Coefficient** [Mas51]. **Coefficients** [McC57]. **Coincidences** [GP57]. **Cold** [Hei51, TD53, Tow57]. **combinational** [HS55]. **Combined** [BG56]. **Combining** [Har59]. **Common** [Mye52]. **Communication** [BHW59, Ric50a, Vau59]. **Communications** [BT58a, BT58b, KR57, Mil54b]. **Companding** [Smi57]. **Companders** [Loz51, Mal51]. **Comparators** [NM59]. **Comparison** [Gil52, You52]. **Completely** [SW54a]. **Components** [GTW53]. **computer** [LLM59]. **Computing** [OW59]. **Concentrated** [Egg50]. **Concentrating** [Joh54]. **Concentration** [Bac58, Bar50]. **Concentrator** [Joe56b]. **Concepts** [HSK58, Sch51]. **concerning** [Pri51]. **Conditions** [BCR55, KG58, MO53]. **Conductive** [Woj54]. **Conductivity** [VP57]. **Conductivity-Modulated** [VP57]. **Conductor** [GM53, RM58, Uhl55]. **Conductors** [Clo51, Vaa53]. **Conduit** [Wei57, WM59]. **Configuration** [Pri53]. **Connection** [MO53, MA54, Pri57]. **Connections** [Ell59, Mal53, MO53, McR53, Van53]. **Considerations** [Feh57, Tho59]. **Constant** [Dar50, Mau51, Bur59]. **Constants** [BMM51]. **Contact** [AC54, BP53, FM56, KG58, Kis58, Qui54, Ric50b, Sha59b, SB59]. **Contacts** [Ata53b, Ata53a, Ata54, AC54, Ata55b, Ata55a, Bar50, Ell55, GS57, HE58]. **Containing** [Des57, Mor57]. **Continuous** [Mur58, Woj54, Ben53b]. **Continuously** [Rai58]. **Contribution** [Lev58]. **Contributors** [Ano50b, Ano50c, Ano50d, Ano50e, Ano51d, Ano51e, Ano51f, Ano51g, Ano51h, Ano52g, Ano52h, Ano52i, Ano52j, Ano52k, Ano52l, Ano53g, Ano53h, Ano53i, Ano53j, Ano53k, Ano53l, Ano54g, Ano54h, Ano54i, Ano54j, Ano54k, Ano54l, Ano55g, Ano55h, Ano55i, Ano55j, Ano55k, Ano55l, Ano56g, Ano56h, Ano56i, Ano56j, Ano56k, Ano56l, Ano57g, Ano57h, Ano57i, Ano57j, Ano57k, Ano57l, Ano58a, Ano58b, Ano58c, Ano58d, Ano58e, Ano58f, Ano59a, Ano59b, Ano59c, Ano59d, Ano59e, Ano59f]. **Control** [Bab53, DKK53, Epp54, GTW53, Log54, Mye52, Pee54b, Rob58, Sch57, YCU58]. **Controlled** [Joe56b, MV52, Rau59]. **Controls** [BH55]. **Conversion** [Aul59, Edw56, Egg50, Lec59, Sch55]. **Converter** [Lee58, Mer51]. **Converters** [Uhl58]. **Copper** [Lec59]. **Core** [Sto53]. **Correcting** [Ham50, Hag59, McC59]. **Correction** [Ano55m, Ano55n, Ulr57]. **Correlation** [Col53a, Ben53b]. **correlatograph** [Ben53b]. **Cost** [Eva58]. **Counts** [Hay52]. **Coupled**

[CKQ56, KM56, Mil54a, Ree53]. **Coupler** [Lou55]. **Couplers** [Coo55]. **Coupling** [Fox55, Tie56]. **Cr** [GPSD59]. **Criterion** [Mur58]. **Cross** [GB56]. **Cross-Sections** [GB56]. **Crossarms** [Egg50]. **Crossbar** [Ada56, BD53, ME55a, Pen58]. **Crosstalk** [BRT56]. **Crystal** [MS58]. **Crystals** [BS56a, Mac51, Mas50, Mas51, Woo51]. **cube** [Gil58]. **Current** [Blo53]. **Curved** [Mar58, Mor57]. **Curves** [Rio53b, Wil53, Rio53a]. **Customers** [CW52]. **Cut** [Olm58]. **Cylinder** [Ric54]. **cylinders** [Hol51]. **Cylindrical** [RL54, RP59, SW54a].

D [Ano57t]. **Data** [MM57]. **Davisson** [Ano51i, Dar51b, Jen51, Kel51]. **DC** [Pri53]. **decision** [Lee59]. **defectives** [SG59]. **Defects** [RFM56]. **Definition** [SH58]. **Deflection** [Aul59, Jen51]. **Delay** [Rio53b, Bur59, Rio53a]. **Delayed** [Wil53]. **Dependence** [BMM51]. **Deposits** [HE58]. **describing** [Pri51]. **Design** [Ano54m, BWW57, Ear53, EM55, EEKG53, Fry52, Fuc59, GM55b, GLWB57, HB57, HSK58, HHH59, Hun53, KP51, Kro57, LFB57, LTLF57, LS56, Log54, MR50, NA59, PW54, Pee54c, Pfe54, SY58, Tho59, Ung58a, WR51, YCU58, HS55, Sta52]. **Designed** [BT54]. **Detailed** [DRS56]. **Detecting** [Ham50]. **Detection** [Jul59, Kap55, McC56a]. **Deterioration** [Big51]. **Determination** [Fuc59, McC57]. **Determined** [Olm58]. **Determining** [Tru54]. **Detwinning** [Woo51]. **Development** [FW51, GM53, HP55, Lev58, Mor52c]. **Developments** [GGI58]. **Device** [GC59]. **Devices** [FR58, Gru59, Log53]. **Dialing** [CW52, FL56, HN53]. **Dials** [Pfe54]. **Diameter** [CFJ56]. **Dielectric** [Mau51, MS58, VR57, Mor57, Ung57a]. **dielectric-coated** [Ung57a]. **Difference** [Dar50]. **differential** [Pri51]. **Diffraction**

[Ric54]. **Diffused** [Bac58, Lee56, Pri56, TT56]. **Diffusional** [Ric50b]. **Digital** [Aul59, Ben58, Ble56, HCM55, HV55, Ket59, NM59, LLM59]. **Digital-to-Analog** [Aul59]. **Diode** [Gra51, Hus53, Kle56, Rea58]. **Diodes** [CHS54, Sho54]. **Direct** [FL56]. **Directive** [GM55b]. **Discharge** [Ata54]. **Discs** [SB58]. **Dislocations** [Mas55]. **Displacement** [WS56]. **display** [Ben53b]. **Displaying** [KH51]. **Dissipated** [Ell55]. **Dissipation** [Ger51]. **Distance** [Ada56, FL56]. **Distortion** [Ket55, Ric57]. **Distributed** [Egg50]. **Distribution** [GB56, Pri53, Ric58, Bur59]. **Distributor** [Fre58]. **diverging** [Har50b]. **Domain** [Gal54, Gal55]. **Dr**. [Kel51]. **Drag** [HGK59]. **Drop** [GM53]. **Drum** [BHM56]. **Dual** [Daw57, ME55a]. **Duality** [WR51]. **Due** [CR57, KM56, PW56]. **duration** [Ric58]. **Dynamic** [Log53]. **Dynamics** [Zaj57].

Each [Egg50]. **easily** [Hag59]. **Economics** [Wag54a]. **Economy** [Bul53]. **Edge** [Jul59]. **Editor** [Ano57t, Ano59g]. **Editorial** [Bak58]. **Effect** [BG56, Clo51, DR55, FM56, Gru59, Mas55, Hog52]. **Effects** [HGK59, Mas50, Stu53, Suh53, Tie56, War58, WM59]. **Efficient** [Oli52]. **efficiently** [SG59]. **Effort** [Mur58]. **Elastic** [BMM51, Hol51]. **Electric** [Ger51, Kin56, Ung57c, Wan53, War58, Ung57a, Ung57b]. **Electrical** [Ata53b, Ata53a, Ata54, Ata55b, Ata55a, GS57, KHD55, Mon52]. **Electrically** [Sch57]. **Electro** [Mas50]. **Electro-optic** [Mas50]. **Electrodes** [Ger51]. **Electroformed** [GM53]. **Electrolyte** [BG55]. **Electrolytic** [Uhl56]. **Electromagnetic** [Log53]. **Electron** [Bec51, Cal51, DRS56, FW51, Gra51, Hei51, MMVH57, Pie51b, RL54, Rig57b, Rig57a, Rig59, Stu53]. **Electronic** [BH55, DB54, FG58, Fre58, Joe58, SY58, YCU58]. **Electronically** [MV52]. **Electronics**

[Joe56a]. **Electrons** [Dar53b, Mac51, Pie51a, Sho51, Van50, Pri51]. **Element** [Ban54, Bob57]. **Elements** [GM55a]. **eliminate** [SG59]. **Emerald** [GPSD59]. **Emission** [Bec51]. **Emitter** [TT56]. **Encoding** [Ric50a]. **Encodings** [GM59]. **Energy** [Ell55]. **Engineering** [BT58a, BT58b, BF59, EH57, HE59, Tru54, Uhl55, Wil56]. **English** [Sha51a]. **Entropy** [Sha51a]. **Equalization** [KF53, RL55]. **Equalizer** [BG57]. **Equations** [Sch52, Pri51, Sch55]. **Equilibrium** [Bur59]. **Equipment** [BD53, Joh54, MS57, Wag54b]. **Eroding** [KG58]. **Erosion** [Ata55a, SB59]. **Errata** [Ano57m]. **Error** [Ham50, McC59, Ric50a, Ulr57, Sha59a]. **Error-correcting** [McC59]. **Errors** [OW59]. **Estimation** [Bur58, Log54, Pee54b]. **Evaluation** [Bac58, Col53a, Col53b, Ell59, Van53]. **Evolution** [Mar51, Sha51b, Sha51e, Sha51c, Sha51d]. **Exceptional** [BS56a]. **Exchange** [Ben57b, Sha50, Sha51e]. **Excitation** [RP59]. **Experience** [Col53a]. **experiment** [Sob56]. **Experimental** [BHD59, BHW59, BG57, BHP55, Daw57, Joe56b, Joe58, Kin59c, LMM55, MV52, LLM59]. **Experiments** [BG55, BT54, DeL56, DP58, Har52]. **Exponential** [Wil53, Ben59]. **Expressed** [Mas50]. **Extremely** [BS56b]. **Extrusion** [BHP55].

Facilities [Sha51b, Sha51e, Sha51c, Sha51d]. **Factors** [Boz50, Fry52, Gra53, MR50]. **fades** [Ric58]. **Fading** [CJ52, Kay53]. **Faraday** [Hog52]. **Fast** [GB56]. **Features** [Car51, KP51]. **Feed** [Daw57, MS57, TK57]. **Feedback** [Ket55]. **Ferrite** [Gal54, Gal55, SB58, SF59, Sto53]. **Ferrites** [Clo55, FMW55, Row53]. **Ferroelectric** [Woo51]. **Ferromagnetic** [Hog52, VR57]. **Field** [Bec51, BG56, DR55, Pie51a, Pri53, Rig57b, Rig57a, WS56]. **Fields** [Wan53]. **Fifth** [Ano51j]. **Figure** [Lee58]. **Filament** [Suh53]. **Filled** [SW54a]. **Film** [GPV51]. **Filters** [War58]. **Finite** [Tie56]. **First** [Bak58, Bea58]. **Five** [Mar51]. **Flow** [Van50, Pri51]. **Fluctuation** [Ben57a]. **Fluctuations** [Ric50b, Sle58]. **Flying** [Gal59, HSK58, HHH59, PDH59]. **FM** [BCR55, Ric57, Rut58, Sun59]. **Focused** [RL54]. **Foot** [CFJ56]. **Forces** [MW52]. **Foreword** [Ano53m]. **Form** [Mas50]. **Formal** [McM52a, McM52b]. **Formation** [DRS56]. **Formulae** [Fuc59]. **Forward** [Kle56]. **Four** [Smi58]. **Four-Point** [Smi58]. **Fourth** [Pie50b]. **Frequencies** [De 52, Hog52, MM52, VR57]. **Frequency** [Bab53, BMM51, Bul53, Edw56, Kay53, Lee56, Rea58, SB58, Sha59b, Tho59, TD53, Uhl58, WN54]. **function** [McC56a]. **Functional** [SY58]. **Functions** [Bea58, FPS56, McC56b, Sem58, Zin52]. **Fundamental** [HSK58, Pil52, SB59, Sum54]. **Fundamentals** [Bul57, Sun54a, Sun54b].

Gain [Lee58]. **Gallium** [Sha59b]. **Gas** [Tow57]. **Gaseous** [Wan53]. **Gases** [Kis58]. **Gates** [Hus53]. **Gaussian** [Ric58, Sha59a]. **General** [Kel52]. **Generalizations** [Pri51]. **Generalized** [Sch52, Sch55]. **Geometries** [McC57]. **George** [Ano55o]. **Germanium** [Bar50, BB53, BG55, EM55, GB56, HGK59, Lee56, RFM56, Sho51, Suh53, Uhl56, Van50]. **Governor** [Pfe54]. **Gray** [Gil58]. **Grid** [GS58, HCM55]. **Group** [SG59, McC56a]. **Growing** [PW56, Rig57b]. **Grown** [ATS59]. **Guest** [Bak58]. **Guide** [SW54a, WR51]. **Guided** [SW54a, SW54b, SW54c]. **Guided-Wave** [SW54a]. **Gun** [Pie51a]. **Guns** [DRS56]. **Gyrator** [Hog52]. **Gyromagnetic** [Sei57, SF59, SW54a, SW54b, SW54c]. **gyrostatic** [Har50b].

H. [Ano59g]. **Habits** [CW52]. **Hall** [Gru59].

Handling [OW59]. **Harmonics** [Rig59]. **Haul** [HRR52]. **Heat** [Ger51]. **Helices** [CKQ56]. **Helix** [Lec59, Mar58, MY56, Ros58, SW54b, Ung58b]. **High** [Aul59, De 58, EM55, FG58, GS58, Kay53, Lee56, Mas51, NM59, Rea58, Sha59b, Tho59, VP57]. **High-Frequency** [Lee56, Rea58, Sha59b, Tho59]. **High-Speed** [Aul59, De 58, EM55, FG58, GS58, NM59]. **High-Voltage** [VP57]. **Historical** [KR57]. **holding** [Ben59, Bur59]. **Hole** [Bar50]. **Holes** [Van50, Pri51]. **Horizon** [CHK59, FCH57]. **Hot** [Sho51]. **Human** [PK57]. **Hydraulic** [Rau59, Sch57].

Ideal [Sun59]. **Identification** [Pen58]. **Identifiers** [Sch51]. **II** [Ata53a, BT58b, Col53b, Dar53b, Log54, MO53, McM52b, Mor52b, Rig57a, SW54b, Sun54b]. **III** [Ata54, Sha51e, SW54c, Van53]. **Impedance** [GM55a, Kem51, Mer51, MRS54, Wil52, Zin52]. **Implications** [HE59]. **Important** [Fry52]. **Improved** [Ben53a, IT51, Ung58a]. **In-Band** [WN54]. **Including** [NA59, Tie56]. **Incremental** [Woj54]. **Individual** [Gal54, Gal55]. **Inductive** [Ata54, Sha51b, Sha51e, Sha51c, Sha51d]. **Inductors** [Sto53]. **Infinite** [Tho56, Uhl55]. **Influencing** [Fry52]. **Information** [EH57, HV55, Kel56, PK57]. **Inherent** [NA59]. **inhomogeneous** [Mor57]. **Initiation** [Ata53b, Ata55b]. **Inorganic** [Cal51]. **input** [Bur59]. **Inspection** [Mur58]. **Installment** [Pie50c, Pie50d, Pie50b]. **Instantaneous** [Loz51, Mal51, Smi57]. **Insulated** [Win53]. **Insulation** [BD53, KHD55]. **Integrated** [Vau59]. **Interaction** [BH52]. **Interactions** [RFM56]. **Interaxial** [Mau51]. **Interchannel** [BCR55, CR57]. **Interface** [BG55]. **Interference** [Bab53, BCR55, BS56b, CR57]. **Intermodulation** [Bab53]. **Internal** [Pee51]. **Interpretation** [Col53a, Kel56].

Intertoll [FPS56, FL56, Hun53, Joh54]. **Intrinsic** [Pri53, Rea56]. **Introduction** [Ano54m, McM52a, McM52b, McR53]. **invariance** [McC56a]. **Inventors** [Ano56m]. **Investigations** [Bec56]. **Ionic** [Ohl52]. **Ionically** [KO52]. **Ions** [Wan53]. **Iron** [Gal54, Gal55]. **Isolator** [WS56]. **isotropic** [Hol51]. **Issue** [Ano50b, Ano50c, Ano50d, Ano50e, Ano51d, Ano51e, Ano51f, Ano51g, Ano51h, Ano52g, Ano52h, Ano52i, Ano52j, Ano52k, Ano52l, Ano53g, Ano53h, Ano53i, Ano53j, Ano53k, Ano53l, Ano54g, Ano54h, Ano54i, Ano54j, Ano54k, Ano54l, Ano55g, Ano55h, Ano55i, Ano55j, Ano55k, Ano55l, Ano56g, Ano56h, Ano56i, Ano56j, Ano56k, Ano56l, Ano57g, Ano57h, Ano57i, Ano57j, Ano57k, Ano57l, Ano58a, Ano58b, Ano58c, Ano58d, Ano58e, Ano58f, Ano59a, Ano59b, Ano59c, Ano59d, Ano59e, Ano59f]. **IV** [Ata55b].

J [Ano51i, Dar51b, Kel51]. **J.** [Ano57t]. **Journal** [Ano51a, Ano51b, Ano51c, Ano52a, Ano52b, Ano52c, Ano52d, Ano52e, Ano52f, Ano53a, Ano53b, Ano53c, Ano53d, Ano53e, Ano53f, Ano54a, Ano54b, Ano54c, Ano54d, Ano54e, Ano54f, Ano54n, Ano54o, Ano54p, Ano55a, Ano55b, Ano55c, Ano55d, Ano55e, Ano55f, Ano55p, Ano55q, Ano55r, Ano55s, Ano55t, Ano55u, Ano56a, Ano56b, Ano56c, Ano56d, Ano56e, Ano56f, Ano56n, Ano56o, Ano56p, Ano56q, Ano56r, Ano56s, Ano57a, Ano57b, Ano57c, Ano57d, Ano57e, Ano57f, Ano57n, Ano57o, Ano57p, Ano57q, Ano57r, Ano57s, Ano58g, Ano58h, Ano58i, Ano58j, Ano58k, Ano58l, Ano59h, Ano59i, Ano59j, Ano59k, Ano59l, Ano59m, Ano50f, Ano50g, Ano50h, Ano51k]. **Junction** [CHS54, Ear53, Ear54, EM55, Lec59, ME55b, Pri56, Uhl58].

Kinematics [Zaj57]. **Klystron** [CR57, Ree53, Ree55]. **kmc** [Har59, HE59, Ree55].

L3 [Ano53m, DKK53, Ear55, EEKG53, GTW53, KF53, Lev58, MLD53, RG53].
Laboratories [BHP55, MR50]. **Laboratory** [BHM56, Col53a]. **Laddic** [GC59].
Laminated [Clo51, Mor52b, Mor52a, Rai59, Vaa53].
Large [Bob57, FR58, Tie56]. **Large-Sized** [Bob57]. **Larynx** [BHD59]. **Law** [Sho51].
Layers [Bac58, BS56b]. **Laying** [JLL57, Zaj57]. **least** [Dar58]. **least-squares** [Dar58]. **Length** [GM59]. **Level** [DSDS59, SDSD59]. **Leveling** [BS56a].
Limit [Mur58]. **Line** [BD53, FG58, Jac58, Joe56b, Kin59c, MM57, RM58]. **Linear** [Dar58, Har52, Ric50b, McC59]. **Lines** [BRT56, GM55a, Mor52b, Mor52a, Rai59].
Link [BWW57, HB57, TK57, GLWB57, LH57, LTLF57, MS57]. **Load** [Hay52].
Loaded [Rai58, SF59]. **Loading** [BCR55, Sha51b, Sha51e, Sha51c, Sha51d].
Loads [Egg50]. **Local** [BD53, DK55, RL55].
Logic [GC59, Ket59, NM59, LLM59]. **Long** [Ada56, Row58]. **Longitudinal** [Rig57a].
Longitudinal [Hol51, Rig57b].
Longitudinally [SB58]. **Loosely** [KM56].
Loosely-Coupled [KM56]. **Loss** [FL56, KM56]. **Losses** [BMM51, Clo51].
Low [Kin59b, Ree55]. **Low-Voltage** [Ree55].

Machine [CS56, FKR53, Ben53b].
Magnetic [All53, Boz50, BHM56, BHN55, Dar53a, Dar53b, GC59, PW54, Pie51a, Rig57b, Rig57a, Suh53, VR57].
Magnetically [RL54, Wal51].
Magnetically-Focused [RL54].
Magnetization [Pee54a, SW54b].
Magnetized [SB58]. **Maintenance** [FL56].
Manufacture [Epp54, GTW53, GM53, LFB57, Qui54, Rob56]. **Manufacturing** [Ear55, Eva58, Han56]. **Many** [Her55].
Many-Valley [Her55]. **Marine** [Sno57].
Maser [DSDS59]. **Masers** [SDSD59].
Material [SDSD59]. **Materials** [Col53a, Sno57, VR57]. **Mathematical** [Mor52b, Mor52a]. **matrices** [HS55].
Matter [Har50a]. **Maxwell** [Sch55]. **mc** [Ric59, LMM56, You52]. **Means** [De 52, Edw56]. **Measure** [Kis58].
Measured [Pee54a]. **Measurement** [BT58a, BT58b, BS56b, CH56, Ell55, Epp54, Smi58, VR57]. **Measurements** [BG56, Hay52, Log53, Woj54]. **Measuring** [MW52, OW59, Wag54b]. **Mechanical** [BH52, MM52]. **Mechanism** [Ata55b].
Mechanisms [Ata55a, Ric50b]. **mechanized** [Hag59]. **Media** [Sei57, SW54a, SW54b, SW54c]. **Medium** [Kin56, LMM56, Men52, Mil54b, Har50b].
Medium-Sized [Kin56]. **Megacycle** [Wil52]. **Memory** [Bob57, HCM55, Sha50].
Mercury [BP53]. **Message** [Kin54, Men52].
Metal [Hei51, HE58]. **Metallic** [Mac51].
Metals [Kis58, Mas55, Mor58]. **Method** [Dar51a, Jul59, KH51, Mea55, OW59].
Microscope [Bec51, BS56b]. **Microscopy** [Cal51]. **Microwave** [BM50, De 52, DeL56, Feh57, FMW55, Hin50, Hog52, KH51, Pie54, RSF51, Row53, VR57].
Microwaves [CJ52]. **Migration** [KHD55].
Military [GGI58]. **Millimeter** [CH56, Sha56]. **Millimicrosecond** [Bec56].
Minimization [McC56b]. **Minimum** [Eva58]. **Miscellaneous** [SW54c]. **mm** [Kin56]. **Mobile** [Bul53, You52]. **Mode** [Har50a, KM56, Lec59, Lou55, Ung57c, War58]. **Model** [Ben57b, BHM56, Vau59, Ric58]. **Models** [Ros58]. **Modes** [Fox55, KM56, Sei57, SF59, Hol51].
Modulated [Ric57, VP57]. **Modulation** [Goo51, Jen51, Rut58]. **Modulator** [BM50].
Modulators [BHN55]. **Molding** [BCS54].
Monographs [Ano54n, Ano54o, Ano54p, Ano55p, Ano55q, Ano55r, Ano55s, Ano55t, Ano55u, Ano56n, Ano56o, Ano56p, Ano56q, Ano56r, Ano56s, Ano57n, Ano57o, Ano57p, Ano57q, Ano57r, Ano57s, Ano58g, Ano58h, Ano58i, Ano58j, Ano58k, Ano58l, Ano59h,

Ano59i, Ano59j, Ano59k, Ano59l, Ano59m].
Motion [Gal54, Gal55, Har50a, Wan53].
Multi [KM56]. **Multi-Mode** [KM56].
Multicontact [Raf54]. **Multifrequency**
 [Blo53]. **Multipaired** [Mau51]. **Multistage**
 [FR58].

N [Ear54, HGK59, Pri56, Uhl58, WP51,
 Car51, Ear54, KP51]. **N-1** [Car51, KP51].
N-P-I-N [Ear54]. **n-Type** [HGK59].
Narrow [Loz51]. **Nationwide**
 [CO52, HN53, Nun52]. **Natural** [Kin59b].
Nature [Cut56, She58]. **Necessary** [MO53].
Negative [GM55a, Mer51, MRS54, Rea58,
 Sho54, Ben59]. **Negative-Resistance**
 [Rea58]. **Net** [FL56]. **Network**
 [Ban54, BH55, Dar51a, Dar52, Des57, Har59,
 Sem58, Zin52]. **Networks** [Clo53, CS56,
 FR58, Kin59a, Lee55, Pri57, Tru54].
Newfoundland [BWW57, HB57, TK57].
Nickel [BMM51, Gal54, Gal55]. **No** [Pen58].
Nobel [Ano56m]. **Noise** [BCR55, Lee58,
 Mon52, Ric50a, Ric57, Ric50b, Rig57b,
 Rig57a, Rig59, Sle58, Suh53, Uhl58, Ric58].
Non [Clo53, KG58, SW54b, Uhl57, Woj54].
Non-Binary [Uhl57]. **Non-Blocking**
 [Clo53]. **Non-Conductive** [Woj54].
Non-Eroding [KG58]. **Non-Reciprocal**
 [SW54b]. **Nonlinear** [Edw56, Ric57].
Nonlinearities [NA59]. **Nonparametric**
 [SH58]. **Nonstationary** [Bur58].
Nonuniform [Jac58]. **Nonuniformities**
 [Rai59]. **Normal** [Fox55, OW59, Ung57c].
North [GLWB57, LH57, LTLF57, MS57].
Nova [BWW57, HB57, TK57]. **Nuclear**
 [Dar53a]. **Number** [Pen58]. **Numbering**
 [Nun52]. **numerical** [Uhl55].

O [EM52]. **Objectives** [Car51]. **Observed**
 [Kin56]. **Obtaining** [MO53]. **Occurrence**
 [Bab53]. **Oceanographic** [EH57]. **Office**
 [Ell59]. **Offices** [BHM56, Pen58]. **Ohm**
 [Sho51]. **Oil** [Col53a]. **Oil-Type** [Col53a].
one [Bur59, SH57]. **Open** [AC54, BRT56].

Open-Contact [AC54]. **Open-Wire**
 [BRT56]. **Operate** [Log54, Pee54b].
Operated [Des57, Sch57]. **Operation**
 [ME55a, Ree55]. **Operational** [FPS56].
Operator [FL56]. **optic** [Mas50]. **Optical**
 [Mas50]. **Optics** [PDH59]. **optimal**
 [Sha59a]. **Optimum** [Eva58, GM55b, Log54].
Order [Wil53]. **Organic**
 [Big51, GS57, HE58, Sno57]. **Origin** [She58].
Oscillator [Blo53, Hin50, NA59].
Oscilloscope [BDS58]. **Other**
 [Ano50g, Ano50h, Ano51k, Hop52, Van50].
Outdoor [Col53a]. **Over-All** [MHEG57].
Oxides [ATS59, Mor58].

P [Ear54, Pri56, Uhl58, WP51, Ear54].
P-N-I-P [Ear54]. **Pairs** [Mau51]. **Panel**
 [Pen58]. **Papers** [Ano51a, Ano51b, Ano51c,
 Ano52a, Ano52b, Ano52c, Ano52d, Ano52e,
 Ano52f, Ano53a, Ano53b, Ano53c, Ano53d,
 Ano53e, Ano53f, Ano54a, Ano54b, Ano54c,
 Ano54d, Ano54e, Ano54f, Ano54n, Ano54o,
 Ano54p, Ano55a, Ano55b, Ano55c, Ano55d,
 Ano55e, Ano55f, Ano55p, Ano55q, Ano55r,
 Ano55s, Ano55t, Ano55u, Ano56a, Ano56b,
 Ano56c, Ano56d, Ano56e, Ano56f, Ano56n,
 Ano56o, Ano56p, Ano56q, Ano56r, Ano56s,
 Ano57a, Ano57b, Ano57c, Ano57d, Ano57e,
 Ano57f, Ano57n, Ano57o, Ano57p, Ano57q,
 Ano57r, Ano57s, Ano58g, Ano58h, Ano58i,
 Ano58j, Ano58k, Ano58l, Ano59h, Ano59i,
 Ano59j, Ano59k, Ano59l, Ano59m].
Parabolic [CFJ56, Ric54]. **Parallel**
 [Sem58]. **Paramagnetic**
 [Feh57, GPSD59, SD59]. **Part**
 [Ata53b, Ata53a, Ata54, Ata55b, Ata55a,
 BT58a, BT58b, Col53a, Col53b, Dar53a,
 Dar53b, Log54, Mal53, MO53, Mor52b,
 Mor52a, Pee54b, Rig57b, Rig57a, SD59,
 Sha51e, SW54a, SW54b, SW54c, Van53].
partial [Pri51]. **Partially** [SF59]. **Paths**
 [Gil58]. **Patterns** [GP57, KH51].
Pavement [WM59]. **Percussion** [SB59].
Percussive [Sum54]. **Perfection** [BS56a].

Performance

[AC54, BM50, Kro57, MHEG57, Van53].

Periodically [GC59]. **Periodically** [Des57].**Permanence** [MA54]. **Permanent** [MO53].**Perturbation** [SW54c]. **Phase**[Dar50, Ric57, Tho56]. **Phenomena**[All53, Ata54, Clo55]. **Phenomenon**[Rig57b]. **Philosophy** [YCU58]. **Phonon**[HGK59]. **Phonon-Drag** [HGK59]. **Photo**[BG56]. **Photo-Voltage** [BG56].**Photoconductivity** [BG56]. **Photoelastic**[Mas50]. **Photoelectric** [KO52].**Photographic** [KH51]. **Photography**[PDH59]. **Physics** [Ano56m]. **Picture**[Pie54]. **Pierce** [DRS56]. **Piezoelectric**[MS58]. **Pin** [Egg50, Kle56]. **Pipe** [Lec59].**Pipes** [Kin56]. **Plan** [BCH55, Nun52].**Plane** [Ric54]. **Planning** [MHEG57]. **Plans**[Mur58, Pil52]. **Plant** [Pil52]. **Plants**[CHS54]. **Plates** [MS58]. **Plot** [Col53a].**PM** [BCR55]. **Point** [Bar50, BT58a, BT58b,FM56, Sha59b, Smi58]. **Point-Contact**[FM56, Sha59b]. **Poisson** [Bur59, GP57].**Polar** [BP53]. **Polarization** [Daw57].**Polyethylene** [Epp54, Win53]. **Polymers**[BH52, Big51, MM52]. **polynomial** [Dar52].**Polytonic** [LMM55]. **populations** [SH57].**Position** [Egg50]. **positioning** [Gal59].**Potential** [Dar51a]. **potentials** [Uhl55].**Power** [BT58a, BT58b, CHS54, Cut56,

Ell55, LMM56, MS57, Sle58, TK57].

Power-Feed [TK57]. **Precious** [HE58].**Precision** [Ear55]. **Prediction**[Har52, Sha51a, Dar58]. **Presence** [Ric50a].**Present** [Mor52c]. **Preservatives**[Col53a, Col53b]. **Pressure** [McC57].**Principle** [Hop52]. **Principles**[Pee54c, Pfe54, Sou50]. **Printed** [Sha51a].**Private** [MM57]. **Prize** [Ano56m].**Probabilities** [OW59]. **Probability**[Ric50a, Sha59a]. **Probe** [Smi58]. **Problems**[Sum54, Uhl55]. **process** [Ben59].**Processes** [SB59]. **Produced** [Ric57].**Production** [LH57]. **Program**[Lev58, SY58]. **programming** [McC59].**programs** [Lee59]. **Propagation**

[Bul57, CFJ56, CHK59, De 52, RL54, Rig59,

SW54a, SW54b, SW54c, FCH57].

Properties [BB53, Her55, KO52, Mas50,

MM52, Ohl52, Rob58, Vaa53, VR57, WP51].

Proposed [Rea58]. **Protection** [WEP55].**Publications** [Ano50g, Ano50h, Ano51k].**Published** [Ano51a, Ano51b, Ano51c,

Ano51i, Ano52a, Ano52b, Ano52c, Ano52d,

Ano52e, Ano52f, Ano53a, Ano53b, Ano53c,

Ano53d, Ano53e, Ano53f, Ano54a, Ano54b,

Ano54c, Ano54d, Ano54e, Ano54f, Ano54n,

Ano54o, Ano54p, Ano55a, Ano55b, Ano55c,

Ano55d, Ano55e, Ano55f, Ano55p, Ano55q,

Ano55r, Ano55s, Ano55t, Ano55u, Ano56a,

Ano56b, Ano56c, Ano56d, Ano56e, Ano56f,

Ano56n, Ano56o, Ano56p, Ano56q, Ano56r,

Ano56s, Ano57a, Ano57b, Ano57c, Ano57d,

Ano57e, Ano57f, Ano57n, Ano57o, Ano57p,

Ano57q, Ano57r, Ano57s, Ano58g, Ano58h,

Ano58i, Ano58j, Ano58k, Ano58l, Ano59h,

Ano59i, Ano59j, Ano59k, Ano59l, Ano59m].

Pull [Pee54a]. **Pulling** [CR57]. **Pulse**

[BHN55, Goo51, Sun54a, Sun54b, Sun59,

Ten56, Wra56]. **Pulses**[Bec56, De 52, DeL56]. **Pulsing** [Blo53].**Purpose** [Kel52]. **Pushbutton** [MPW58].**Pyrolytic** [GPV51].**Quality** [Boz50, DKK53, GTW53, She58].**Quantized** [Smi57]. **Quartz**

[Kin59b, Mas51].

Radio [Bab53, BG57, Bul53, Bul57, Daw57,

Har59, HE59, Kay53, LMM56, Ric54, Ric59,

RSF51, WEP55, You52, Ric58]. **Random**

[GM55b, Rio53b, Sle58, Wil53, Bur59,

Rio53a]. **Range** [Hin50, Wil52]. **Rate**[Kel56, PK57]. **Rates** [PK57]. **Rating**[BCH55]. **Ray** [Jen51]. **RC** [Kin59a].**Reading** [PK57]. **Realizability**[McM52a, McM52b]. **Realization** [Dar50].**Rebound** [Sum52]. **Received** [CR59].

Receiver [MM51]. **Reciprocal** [SW54b]. **Recorded** [Wal51]. **Recording** [Men52]. **Recovery** [Hei51, Zaj57]. **Rectifier** [VP57]. **Rectifiers** [Gra53, Pri56, Sha56, Sha59b]. **Recurrent** [Hag59]. **reducing** [Sob56]. **Reduction** [Clo51]. **Reed** [HP55]. **Reference** [Col53a]. **Reflection** [Mac51, FCH57, Har50b]. **Reflex** [Ree53, Ree55]. **Regeneration** [DeL56]. **Regenerative** [Ben58, DP58, De 58, Row58, Sun57, Ten56]. **Regenerator** [Wra56]. **Region** [FMW55]. **Regulation** [KF53]. **Relation** [Bar50]. **Relaxation** [Clo55]. **Relay** [BG57, BP53, DB54, Daw57, Han56, HE59, KG58, Kel52, LMM56, Pee51, Pee54c, Qui54, Raf54, RSF51, Sum52, Wag54a, Wag54b, WEP55, HS55]. **Relays** [Ano54m, BCS54, Fry52, HP55, Log54, ME55a, Pee54b, PW54]. **Release** [Pee54c]. **Reliability** [Fry52, Hay52, Sob56]. **Remote** [Joe56b]. **renewal** [Ben59]. **Renne** [Ano59g]. **Repeater** [BWW57, GLWB57, LH57]. **Repeaters** [DP58, De 58, Gil51b, MRS54, Row58, Sun57]. **Replication** [Cal51]. **Representation** [Lee59, Zin52]. **Representativeness** [SH58]. **Reproduction** [Wal51]. **Requirements** [DKK53, GTW53, Sha50, Tru54, Wei57]. **Research** [Ros58, Vau59]. **Resistance** [CS56, Kis58, Rea58, Sho54, Sno57]. **Resistance-Capacitance** [CS56]. **Resistivities** [Smi58]. **Resistors** [GPV51]. **Resolver** [Kro57]. **Resonance** [Dar53a, Dar53b, Feh57, GPSD59, KM56]. **Resonator** [Ree53]. **Results** [Col53a, SW54c, Pri51]. **Resume** [KR57]. **Review** [All53]. **Revised** [BCH55]. **Ring** [MM51]. **Ringing** [MPW58]. **Rotating** [Rig59]. **Round** [Wei57, WM59]. **Route** [JLL57]. **Routing** [Tru54]. **Ruby** [SD59]. **Runs** [Olm58]. **Rural** [BHP57].

S [Ano57t, Ano59g]. **Sample** [Olm58, SH58, SG59]. **Sampling** [Mur58]. **Sapphires** [SD59]. **Saturation** [Cut56]. **Scanner** [FG58]. **Schemes** [Ric50a]. **Scientific** [Dar51b]. **Scotia** [BWW57, HB57, TK57]. **Second** [Pie50c]. **Sections** [GB56, Hei51]. **Selecting** [SH57]. **Selection** [Bab53, JLL57]. **Selective** [CJ52, Kay53]. **Selenium** [Gra53]. **Self** [Hei51, Sun57]. **Self-Recovery** [Hei51]. **Self-Timing** [Sun57]. **Semi** [Tho56, Uhl55]. **semi-conductor** [Uhl55]. **Semi-Infinite** [Tho56]. **Semiconductor** [Her55, Hus53, Pri53, Sho54, YCU58]. **Semiconductors** [Mon52, Van50, Pri51]. **Sensitivity** [Feh57]. **Separation** [Vau59]. **Sequential** [Mea55]. **Series** [Sem58, Dar52]. **Series-Parallel** [Sem58]. **serpentine** [Ung57b]. **Served** [Rio53b, Wil53, Rio53a]. **Service** [BHP57, CO52, MM57, WEP55, Bur59]. **Services** [Men52]. **servicing** [Ben59]. **Servo** [Gal59, Ket59]. **Servomechanisms** [Rau59]. **Set** [Ben57b, Ben53a, IT51]. **Seventy** [Ano51j, Mar51]. **Seventy-Fifth** [Ano51j]. **Seventy-Five** [Mar51]. **several** [SH57]. **Shaping** [Uhl56]. **Sheath** [BHP55, Epp54, Woj54]. **Sheaths** [Hop52]. **Sheet** [Smi58]. **Shift** [Ric57]. **Shifts** [SB58]. **Short** [Ata53b, Ata53a, Ata55b, Ata55a, De 52, GM55a, Ger51, HRR52, SB59, Ben53b]. **Short-Haul** [HRR52]. **Shortest** [Pri57]. **Shot** [Uhl58]. **Signal** [Fre58, Kap55, Ric57, Tie56]. **Signal-Detection** [Kap55]. **Signaling** [LMM55, Sle56, WN54]. **Signalling** [Gil52]. **Signals** [Jul59, Kay53, Kre52, Smi57, TD53, Wal51]. **Silicon** [ATS59, Bac58, KO52, Ohl52, Pri56, RFM56, TT56, Uhl56, VP57]. **Silver** [KHD55]. **Simple** [Ben57b]. **Single** [BS56a, Lou55, MS58, WN54]. **Single-Crystal** [MS58]. **Single-Frequency** [WN54]. **Sized** [Bob57, Kin56]. **Skin**

[Clo51]. **slabs** [Hol51]. **Slope** [Tho56]. **Slow** [Pee54c]. **Small** [Kin56, SB58]. **smoothing** [Dar58]. **Soil** [Col53a]. **Soil-Block** [Col53a]. **Solderless** [Ell59, Mal53, MO53, MA54, McR53, Van53]. **Solid** [DSDS59, RP59, SDS59]. **Solid-Cylindrical** [RP59]. **solutions** [Uhl55]. **Solved** [Des57]. **Some** [HE59, KP51, NM59, Pri51, Pri57, Sch51, Sum54, Tho59, WP51]. **Sound** [KH51]. **sources** [Uhl55]. **Space** [KH51, RP59, Rig59, Tie56]. **Space-Charge** [RP59, Rig59]. **Spacing** [Mau51]. **Special** [Col53a]. **Spectra** [BT58a, BT58b, SD59]. **Spectrum** [GPSD59, Rig57b, Rig57a]. **Speech** [CR59, Loz51]. **Speed** [Aul59, De 58, EM55, FG58, GS58, NM59]. **Spot** [Gal59, HSK58, HHH59, PDH59]. **Spring** [BCS54, Qui54]. **squares** [Dar58]. **Stability** [GM55a]. **Stabilization** [ATS59]. **Stable** [Aul59]. **Standards** [Kem51, She58]. **Starting** [Pie51a]. **State** [DSDS59, SDS59]. **States** [GB56]. **Statistical** [Kay53, Sob56]. **Statistics** [Ben57b, Ben58, Kre52, Lev58]. **Status** [Mor52c]. **Step** [Pen58]. **Step-by** [Pen58]. **Storage** [Aul59, Bob57, HCM55]. **Store** [Gal59, GS58, HSK58, HHH59, PDH59]. **Stored** [SY58]. **Stored-Program** [SY58]. **Straight** [Pie51a]. **Straightening** [BCS54]. **Strains** [Hop52]. **Streams** [Gra51, Pie51b]. **Strength** [Wei57]. **Stress** [MA54]. **Strong** [Wan53]. **Structure** [Mal53, Rea56, LLM59]. **Structures** [Sno57]. **Studies** [Bec51, CFJ56, CHK59, De 52, FKR53, Kap55, Sob56]. **Study** [Clo53, Kay53]. **Subject** [GM55b]. **Submarine** [EH57, Gil51b, LFB57, Zaj57]. **Submerged** [Gil51b]. **Substituted** [SD59]. **Successive** [Des57]. **Sufficient** [Ben57b]. **Suitable** [Bob57]. **Super** [Kay53]. **Super-High** [Kay53]. **Supply** [Blo53]. **Suppression** [Rut58]. **Surface** [Bac58, BS56b, BB53, BG56, FM56]. **Surfaces** [ATS59, GB56, Hop52]. **Sweeping** [Hin50]. **Swept** [Pri53, Rea56]. **Switch** [Des57, Ell55, Hay52]. **Switches** [HP55, ME55a]. **Switching** [Ada56, And52, Ata53b, Ata53a, Ata54, Ata55b, Ata55a, BH55, BHM56, CO52, Clo53, EM55, FG58, FR58, Fre58, GGI58, Han56, Joe56a, Joe58, Kel52, Lee55, MV52, MW52, Mye52, Raf54, Sch51, SY58, Sem58, Shi52, Tow57, WEP55, YCU58, Gil51a, HS55, LLM59, Lee59, Sta52]. **Symbols** [Ano54q]. **symmetry** [McC56a]. **Synthesis** [Dar51a, Kin59a, NM59, Sem58, Dar52]. **Synthesizing** [Mea55]. **Synthetic** [Kin59b]. **System** [Ada56, Ano50f, Ano50g, Ano50h, Ano51k, Ano53m, BHW59, BG57, BHP57, Car51, DK55, DKK53, Ear55, EM52, EEKG53, FG58, FW51, Gal59, GTW53, HB57, HE59, HHH59, HRR52, JLL57, Joe58, KP51, KF53, Ket59, Kin54, KM56, LFB57, Lev58, LTLF57, LMM55, MV52, MMVH57, MLD53, MHEG57, RG53, RSF51, SY58, TK57, WEP55, YCU58, LLM59, Ano50a, Ano50f, Ano50g, Ano50h, Ano51a, Ano51b, Ano51c, Ano51k, Ano52a, Ano52b, Ano52c, Ano52d, Ano52e, Ano52f, Ano53a, Ano53b, Ano53c, Ano53d, Ano53e, Ano53f, Ano54a, Ano54b, Ano54c, Ano54d, Ano54e, Ano54f, Ano54n, Ano54o, Ano54p, Ano55a, Ano55b, Ano55c, Ano55d, Ano55e, Ano55f, Ano55p, Ano55q, Ano55r, Ano55s, Ano55t, Ano55u, Ano56a, Ano56b, Ano56c, Ano56d]. **System** [Ano56e, Ano56f, Ano56n, Ano56o, Ano56p, Ano56q, Ano56r, Ano56s, Ano57a, Ano57b, Ano57c, Ano57d, Ano57e, Ano57f, Ano57n, Ano57o, Ano57p, Ano57q, Ano57r, Ano57s, Ano58g, Ano58h, Ano58i, Ano58j, Ano58k, Ano58l, Ano59h, Ano59i, Ano59j, Ano59k, Ano59l, Ano59m, Sha51b, Sha51e, Sha51c, Sha51d]. **Systems** [Ata55b, Bab53, BCR55, Ble56, BD53, EH57, Fre58, Har59, Joe56a, Kel52, MA54, Mye52, Raf54, Rut58, Sch51, Shi52, Tow57, Uhl55]. **T** [Ano57t]. **Table** [Bea58]. **Tables**

[SH58, Tho56]. **Tamping** [WM59]. **Tandem** [Ada56]. **Taper** [Ung58a]. **Tapered** [Coo55, Lou55]. **TASI** [BF59]. **Tchebycheff** [Dar52]. **TD** [BG57, RSF51, WEP55]. **TD-2** [BG57, RSF51, WEP55]. **TE01** [Mar58].

Technical [Ano50a, Ano50f, Ano50g, Ano50h, Ano51a, Ano51b, Ano51c, Ano51k, Ano52a, Ano52b, Ano52c, Ano52d, Ano52e, Ano52f, Ano53a, Ano53b, Ano53c, Ano53d, Ano53e, Ano53f, Ano54a, Ano54b, Ano54c, Ano54d, Ano54e, Ano54f, Ano54n, Ano54o, Ano54p, Ano55a, Ano55b, Ano55c, Ano55d, Ano55e, Ano55f, Ano55p, Ano55q, Ano55r, Ano55s, Ano55t, Ano55u, Ano56a, Ano56b, Ano56c, Ano56d, Ano56e, Ano56f, Ano56n, Ano56o, Ano56p, Ano56q, Ano56r, Ano56s, Ano57a, Ano57b, Ano57c, Ano57d, Ano57e, Ano57f, Ano57n, Ano57o, Ano57p, Ano57q, Ano57r, Ano57s, Ano58g, Ano58h, Ano58i, Ano58j, Ano58k, Ano58l, Ano59h, Ano59i, Ano59j, Ano59k, Ano59l, Ano59m].

Techniques [Ear55, Feh57, Joe58, MW52, Tru54, Sob56].

Technology [Mar51]. **Telegraph** [HRR52]. **Telegraphist** [Sch52, Sch55]. **Telephone** [Ano51j, Ata53b, Ata53a, Ata54, Ata55b, Ata55a, Ben57a, Ben57b, Ben53a, BCH55, BHP55, BH55, Car51, CHS54, CO52, CW52, CR59, FKR53, Gil51b, GM53, Gre58, Hay52, HV55, Hun53, IT51, Joe56a, KP51, Kel52, Mar51, MW52, MRS54, MM57, MR50, MM51, MHEG57, Mye52, Pfe54, Pil52, Raf54, Rio51, Rob56, Sch51, Sha50, Sha51b, Sha51e, Sha51c, Sha51d, Tow57, Wag54a, Win53].

Television [Goo51, Har52, Jen51, Jul59, Kre52, RG53, RL55]. **Temperature** [Mas51]. **Temperatures** [Kin59b, Mas51, Pee51]. **Ten** [Bak58].

Tensor [Mas50]. **term** [Ben53b]. **terminal** [Gil51a]. **Terminals** [RG53]. **Termination** [Jac58]. **Test** [BD53, Col53a]. **Testing** [CS56, FPS56, Han56, OW59, Rob56, SG59].

Tests [Col53a, Rob58, Van53]. **Tetrode** [LS56]. **Their** [Gra53, MA54]. **Theoretical** [Sun54a, Sun54b]. **Theories** [Wil56].

Theory [Ata53b, AC54, Bar50, Ear53, Fuc59, McM52a, McM52b, Mer51, Mil54a, Mor52b, Mor52a, Mor57, Pee54b, Rea56, Ric50b, Suh53, SW54c, Tie56, Ung58b, Van50, FCH57]. **Thermally** [ATS59].

Thermomagnetic [HGK59]. **Thickness** [Epp54, Woj54]. **Thicknesses** [Fuc59]. **Thin** [BS56b, Hei51]. **Third** [Pie50d]. **Thirtieth** [Ano52m]. **Three** [Daw57, DSDS59, RM58, SDDS59].

Three-Conductor [RM58]. **Three-Level** [DSDS59, SDDS59]. **Throwdown** [FKR53].

Time [Log54, Pee54b, Rio51, Sho54, Vau59, Bur59, Sob56]. **Time-Separation** [Vau59].

times [Ben59]. **Timing** [DP58, De 58, Row58, Sun57].

Titanate [MS58]. **Tolerance** [Eva58]. **Toll** [BHM56, Pil52, Shi52, Wil56].

Tone [MPW58]. **Tools** [Mal53]. **Topics** [SW54a, SW54b, SW54c]. **total** [McC56a].

Traffic [Ben57a, FKR53, Hay52, Rio51, Tru54, Wil56]. **Transatlantic** [JLL57, KR57, LFB57, MMVH57, MHEG57].

transcendental [Zin52]. **Transcribed** [Men52]. **Transfer** [DB54].

Transformation [Hel59]. **Transformer** [Lev58]. **Transformers** [Ear55]. **Transient** [Ell55]. **Transistor** [Ano56m, Bak58, Ban54, Ble56, Blo53, DR55, Ear54, FM56, Lee56, LS56, Mor52c, NA59, Ten56, Tho59, WR51].

Transistorized [BHD59, Wra56].

Transistors [And52, CHS54, Ear53, EM55, ME55b, TT56, WP51]. **Transit** [Sho54].

Transition [Mor58]. **Translator** [BT54, BHM56, HN53]. **Translators** [Sch51]. **Transmission** [Ben58, BCH55, Car51, DK55, FPS56, FW51, GM55a, Hei51, HV55, Hun53, Jac58, KM56, Kin59c, MM57, Mor52b, Mor52a, RM58, Rai59, Ric59, RL55, Sou50, Sun54a, Sun54b, Sun59, TD53, Vaa53, War58, You52, Ric58, Ung57a, Ung57b].

Transport [Her55]. **Transpositions** [RM58]. **Transversal** [BG57]. **Transverse**

[PW56, SW54b]. **Traveling**
 [Cut56, DSDS59, LMM56, Pie50a, Pie50c,
 Pie50d, Pie50b, Tie56]. **Traveling-Wave**
 [DSDS59, LMM56, Pie50a, Pie50c, Pie50d,
 Pie50b]. **Treatments** [FM56]. **Triode**
 [BM50, MR50]. **Triodes** [Ear54].
Tropospheric [CHK59]. **Trunk**
 [FL56, Joh54, Tru54]. **Trunks**
 [FPS56, Hun53, Ben59]. **Tube**
 [Aul59, BDS58, Jen51, LMM56]. **Tubes**
 [Cut56, FW51, HCM55, MMVH57, Pie50a,
 Pie50c, Pie50d, Pie50b, Pie54, Stu53, TD53,
 Tow57]. **Tunable** [Ree55]. **Twin** [AC54].
Twistor [Bob57]. **Two** [Ric50a]. **Type**
 [Car51, Col53a, DRS56, EM52, HGK59,
 Sha56, Vaa53]. **Type-O** [EM52].

U.S.A. [Wil56]. **UHF** [Rig57a]. **Ultrasonic**
 [MM52, Mas55]. **Uniformity** [BS56a]. **Unit**
 [Tho56]. **Up-Converter** [Lee58]. **Use**
 [Bec51, Blo53, BS56b, Clo51, Ell59, FG58,
 SDS59]. **Used** [Sch51]. **Using**
 [Jen51, Joe58, Kis58, MM57, Dar52].

V [Ata55a]. **Valley** [Her55]. **Valve**
 [Rau59, Sch57]. **Valve-Controlled** [Rau59].
Vapors [GS57]. **Variable** [GM59, Lee58].
Variable-Capacitance [Lee58].
Variable-Length [GM59]. **Variations**
 [GM55b]. **Velocities** [PW56]. **Velocity**
 [Bur58, Coo55]. **Verification** [LLM59].
Vernier [Kro57]. **Very** [De 52, Mas51].
Video [DK55]. **View** [BT58a, BT58b].
Visual [BHW59]. **Voice** [MM57]. **Voltage**
 [BG56, ME55a, Ree55, VP57]. **Volume**
 [CR59].

W [Bec51]. **W.** [Ano57t]. **Wafer** [Sha56].
Wafer-Type [Sha56]. **Wall** [Fuc59]. **Walls**
 [Gal54, Gal55]. **Warped** [Fox55]. **Wave**
 [Cut56, DSDS59, Fox55, Kin56, KH51,
 LMM56, Mar58, Mas55, Mil54a, Pie50a,
 Pie50c, Pie50d, Pie50b, Pie54, RL54, RP59,
 Rig59, Sha56, SW54a, SW54b, SW54c,

Tie56, Ung57a, Ung57b]. **Waveguide**
 [Bec56, Fuc59, Lec59, Mar58, Mil54a,
 Mil54b, MY56, Sei57, SF59, Sou50, Ung58a,
 Ung58b, War58, Mor57, Ung57a].
Waveguides [Ros58, Sch52]. **Wavelengths**
 [CH56]. **Waves** [BH52, Pie51b, PW56,
 Ric54, Ung57c, War58, Har50b, Hol51].
Wear [MW52]. **Welding**
 [Qui54, SB59, Sum54]. **Wide** [Hin50].
Windings [Log54, Pee51]. **Wire**
 [BRT56, BCS54, GM53, Qui54]. **Within**
 [Mar58]. **Wood** [Col53a, Col53b, Egg50].
Work [Dar51b]. **Worked** [Hei51]. **Working**
 [Wil53]. **Wrapped**
 [Ell59, Mal53, MO53, MA54, McR53, Van53].
Writings [Ano51i].

Years [Bak58, Mar51]. **Yield** [Eva58].

Zero [Mas51]. **Zeros** [Bea58]. **Zone** [BS56a,
 Rob58].

References

Atalla:1954:TOC

[AC54] M. M. Atalla and Miss R. E. Cox. Theory of open-contact performance of twin contacts. *The Bell System Technical Journal*, 33(6):1373–1386, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1373.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1373.pdf>.

Adam:1956:CTL

[Ada56] A. O. Adam. Crossbar tandem as a long distance switching system. *The Bell System Technical Journal*,

35(1):91–108, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-1-91.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-1-91.pdf>.

Alley:1953:RNM

- [All53] R. E. Alley, Jr. A review of new magnetic phenomena. *The Bell System Technical Journal*, 32(5):1155–1172, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1155.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1155.pdf>.

Anderson:1952:TSC

- [And52] A. Eugene Anderson. Transistors in switching circuits. *The Bell System Technical Journal*, 31(6):1207–1249, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-6-1207.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1207.pdf>.

Anonymous:1950:ATA

- [Ano50a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 29(1):142–145, January 1950. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-1-142.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-1-142.pdf>.

Anonymous:1950:CIa

- [Ano50b] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 29(1):146, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-1-146.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-1-146.pdf>.

Anonymous:1950:CIb

- [Ano50c] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 29(2):294, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-2-294.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-2-294.pdf>.

Anonymous:1950:CIc

- [Ano50d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 29(3):468, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-3-468.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-468.pdf>.

www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-468.pdf.

Anonymous:1950:CIId

- [Ano50e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 29(4):674–675, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-4-674.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-4-674.pdf>.

Anonymous:1950:TAB

- [Ano50f] Anonymous. Technical articles by Bell System authors not appearing in the Bell System Technical Journal. *The Bell System Technical Journal*, 29(2):287–293, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-2-287.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-2-287.pdf>.

Anonymous:1950:TPBa

- [Ano50g] Anonymous. Technical publications by Bell System authors other than in the Bell System Technical Journal. *The Bell System Technical Journal*, 29(3):461–467, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-3-461.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-461.pdf>.

www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-461.pdf.

Anonymous:1950:TPBb

- [Ano50h] Anonymous. Technical publications by Bell System authors other than in the Bell System Technical Journal. *The Bell System Technical Journal*, 29(4):672–673, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-4-672.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-4-672.pdf>.

Anonymous:1951:ABSa

- [Ano51a] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 30(2):473–487, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-2-473.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-473.pdf>.

Anonymous:1951:ABSb

- [Ano51b] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 30(3):765–776, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-765.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-765.pdf>.

labs.com/BSTJ/images/Vol30/bstj30-3-765.pdf; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-765.pdf>.

Anonymous:1951:ABSc

- [Ano51c] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 30(4):1244–1253, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1244.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-1244.pdf>.

Anonymous:1951:CIa

- [Ano51d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 30(1):211–212, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-211.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-211.pdf>.

Anonymous:1951:CIb

- [Ano51e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 30(2):488–490, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-2-488.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-488.pdf>.

www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-488.pdf.

Anonymous:1951:CIc

- [Ano51f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 30(3):777–778, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-777.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-777.pdf>.

Anonymous:1951:CI d

- [Ano51g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 30(4):1038–1040, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1038.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-1038.pdf>.

Anonymous:1951:CIe

- [Ano51h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 30(4):1254–1255, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1254.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-1254.pdf>.

Anonymous:1951:PWC

- [Ano51i] Anonymous. Published writings of C. J. Davisson. *The Bell System Technical Journal*, 30(4):1035–1037, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1035.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1035.pdf>.

Anonymous:1951:SFA

- [Ano51j] Anonymous. The seventy-fifth anniversary of the telephone. *The Bell System Technical Journal*, 30(2):213–214, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-213.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-213.pdf>.

Anonymous:1951:TPB

- [Ano51k] Anonymous. Technical publications by Bell System authors other than in the Bell System Technical Journal. *The Bell System Technical Journal*, 30(1):205–210, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-1-205.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-1-205.pdf>.

Anonymous:1952:ABSa

- [Ano52a] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(1):201–212, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-1-201.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-201.pdf>.

Anonymous:1952:ABSB

- [Ano52b] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(2):405–408, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-2-405.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-2-405.pdf>.

Anonymous:1952:ABSc

- [Ano52c] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(3):601–607, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-3-601.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol31-1952/articles/bstj31-3-601.pdf.

Anonymous:1952:ABSd

- [Ano52d] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(4):816–819, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-816.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-816.pdf>.

Anonymous:1952:ABSe

- [Ano52e] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(5):1013–1019, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-1013.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-1013.pdf>.

Anonymous:1952:ABSf

- [Ano52f] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 31(6):1250–1255, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/>

<bstj31-6-1250.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1250.pdf>.

Anonymous:1952:CIa

- [Ano52g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(1):213–215, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-1-213.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-1-213.pdf>.

Anonymous:1952:CIb

- [Ano52h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(2):409–410, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-2-409.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-2-409.pdf>.

Anonymous:1952:CIc

- [Ano52i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(3):608–609, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-3-608.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-3-608.pdf>.

Anonymous:1952:CIId

- [Ano52j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(4):820–822, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-820.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-820.pdf>.

Anonymous:1952:CIe

- [Ano52k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(5):1020–1022, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-1020.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-1020.pdf>.

Anonymous:1952:CIff

- [Ano52l] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 31(6):1256–1257, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-6-1256.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1256.pdf>.

Anonymous:1952:TA

- [Ano52m] Anonymous. Thirtieth anniversary. *The Bell System Technical Journal*, 31(4):611–612, July

1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-611.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-611.pdf>.

Anonymous:1953:ABSa

- [Ano53a] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 32(1):255–260, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-1-255.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-1-255.pdf>.

Anonymous:1953:ABSb

- [Ano53b] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 32(2):506–518, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-2-506.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-2-506.pdf>.

Anonymous:1953:ABSd

- [Ano53c] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The*

Bell System Technical Journal, 32(3):767–774, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-3-767.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-3-767.pdf>.

Anonymous:1953:ABSd

- [Ano53d] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 32(4):1007–1014, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-1007.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-1007.pdf>.

Anonymous:1953:ABSe

- [Ano53e] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 32(5):1257–1265, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1257.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1257.pdf>.

Anonymous:1953:ABSf

- [Ano53f] Anonymous. Abstracts of Bell

System technical papers not published in this journal. *The Bell System Technical Journal*, 32(6):1507–1513, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-6-1507.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1507.pdf>.

Anonymous:1953:CIa

- [Ano53g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(1):261–263, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-1-261.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-1-261.pdf>.

Anonymous:1953:CIb

- [Ano53h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(2):519–521, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-2-519.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-2-519.pdf>.

Anonymous:1953:CIc

- [Ano53i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(3):775–777, May

1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-3-775.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-3-775.pdf>.

Anonymous:1953:CId

[Ano53j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(4):1015–1018, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-1015.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-1015.pdf>.

Anonymous:1953:CIE

[Ano53k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(5):1267–1270, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1267.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1267.pdf>.

Anonymous:1953:CIf

[Ano53l] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 32(6):1515–1517, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/>

[bstj32-6-1515.pdf](http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1515.pdf); <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1515.pdf>.

Anonymous:1953:LCS

[Ano53m] Anonymous. The L3 coaxial system — foreword. *The Bell System Technical Journal*, 32(4):779–780, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-779.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-779.pdf>.

Anonymous:1954:ABSa

[Ano54a] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(1):260–273, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-260.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-260.pdf>.

Anonymous:1954:ABSb

[Ano54b] Anonymous. Abstracts of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(2):505–513, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/>

bstj33-2-505.pdf; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-2-505.pdf>.

Anonymous:1954:BSTa

- [Ano54c] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(3):789–796, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-3-789.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-3-789.pdf>.

Anonymous:1954:BSTb

- [Ano54d] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(4):1011–1016, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-4-1011.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-4-1011.pdf>.

Anonymous:1954:BSTc

- [Ano54e] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(5):1195–1200, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-5-1195.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-5-1195.pdf>.

www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-5-1195.pdf.

Anonymous:1954:BSTd

- [Ano54f] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(6):1387–1391, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-6-1387.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-6-1387.pdf>.

Anonymous:1954:CIa

- [Ano54g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 33(1):274–275, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-1-274.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-1-274.pdf>.

Anonymous:1954:CIb

- [Ano54h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 33(2):514–516, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-2-514.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-2-514.pdf>.

Anonymous:1954:CIc

- [Ano54i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 33(3):797–798, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-3-797.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-797.pdf>.

Anonymous:1954:CId

- [Ano54j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 33(4):1019–1022, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-1019.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-1019.pdf>.

Anonymous:1954:CIe

- [Ano54k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 33(5):1206–1208, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1206.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1206.pdf>.

Anonymous:1954:CIf

- [Ano54l] Anonymous. Contributors to this issue. *The Bell System Technical*

Journal, 33(6):1398–1400, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1398.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1398.pdf>.

Anonymous:1954:DRI

- [Ano54m] Anonymous. Design of relays — introduction. *The Bell System Technical Journal*, 33(1):1–2, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-1.pdf>.

Anonymous:1954:RMBa

- [Ano54n] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(4):1017–1018, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-1017.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-1017.pdf>.

Anonymous:1954:RMBb

- [Ano54o] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(5):1201–1205, September

1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1201.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1201.pdf>.

Anonymous:1954:RMBc

- [Ano54p] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 33(6):1392–1397, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1392.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1392.pdf>.

Anonymous:1954:S

- [Ano54q] Anonymous. Symbols. *The Bell System Technical Journal*, 33(1):257–259, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-257.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-257.pdf>.

Anonymous:1955:BSTa

- [Ano55a] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(1):221–229, January 1955. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-221.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-221.pdf>.

Anonymous:1955:BSTb

- [Ano55b] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(2):443–447, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-443.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-443.pdf>.

Anonymous:1955:BSTc

- [Ano55c] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(3):665–670, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-665.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-665.pdf>.

Anonymous:1955:BSTd

- [Ano55d] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(4):871–875, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-871.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-871.pdf>.

Anonymous:1955:BSTe

- [Ano55e] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(5):1103–1108, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-1103.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-1103.pdf>.

Anonymous:1955:BSTf

- [Ano55f] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(6):1317–1322, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-6-1317.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1317.pdf>.

Anonymous:1955:CIa

- [Ano55g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(1):234–236, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/>

bstj34-1-234.pdf; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-234.pdf>.

Anonymous:1955:CIb

- [Ano55h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(2):450–452, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-450.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-450.pdf>.

Anonymous:1955:CIc

- [Ano55i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(3):672–676, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-672.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-672.pdf>.

Anonymous:1955:CId

- [Ano55j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(4):879–882, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-879.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-879.pdf>.

Anonymous:1955:CIe

- [Ano55k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(5):1112–1114, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-5-1112.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-5-1112.pdf>.

Anonymous:1955:CI f

- [Ano55l] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 34(6):1327–1330, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-6-1327.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-6-1327.pdf>.

Anonymous:1955:Ca

- [Ano55m] Anonymous. Correction. *The Bell System Technical Journal*, 34(1):104, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-1-104.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-1-104.pdf>.

Anonymous:1955:Cb

- [Ano55n] Anonymous. Correction. *The Bell System Technical Journal*, 34

(5):994, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-5-994.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-5-994.pdf>.

Anonymous:1955:GC

- [Ano55o] Anonymous. George A. Campbell, 1870 — 1954. *The Bell System Technical Journal*, 34(1):1–4, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-1-1.pdf>.

Anonymous:1955:RMBa

- [Ano55p] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(1):230–233, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-1-230.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-1-230.pdf>.

Anonymous:1955:RMBb

- [Ano55q] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Jour-*

nal, 34(2):448–449, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-448.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-448.pdf>.

Anonymous:1955:RMBc

[Ano55r] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(3):670–671, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-670.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-670.pdf>.

Anonymous:1955:RMBd

[Ano55s] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(4):876–878, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-876.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-876.pdf>.

Anonymous:1955:RMBe

[Ano55t] Anonymous. Recent monographs of Bell System technical papers

not published in this journal. *The Bell System Technical Journal*, 34(5):1109–1111, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-1109.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-1109.pdf>.

Anonymous:1955:RMBf

[Ano55u] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 34(6):1323–1326, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-6-1323.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1323.pdf>.

Anonymous:1956:BSTa

[Ano56a] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(1):235–241, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-235.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-235.pdf>.

Anonymous:1956:BSTb

[Ano56b] Anonymous. Bell System techni-

cal papers not published in this journal. *The Bell System Technical Journal*, 35(2):519–526, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-519.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-519.pdf>.

Anonymous:1956:BSTc

- [Ano56c] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(3):751–758, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-751.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-751.pdf>.

Anonymous:1956:BSTd

- [Ano56d] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(4):973–978, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-973.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-973.pdf>.

Anonymous:1956:BSTe

- [Ano56e] Anonymous. Bell System technical papers not published in this jour-

nal. *The Bell System Technical Journal*, 35(5):1223–1229, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1223.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1223.pdf>.

Anonymous:1956:BSTf

- [Ano56f] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(6):1454–1460, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1454.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1454.pdf>.

Anonymous:1956:CIa

- [Ano56g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(1):244–247, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-244.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-244.pdf>.

Anonymous:1956:CIb

- [Ano56h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(2):531–534, March 1956. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-531.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-531.pdf>.

Anonymous:1956:CIc

- [Ano56i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(3):762–765, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-762.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-762.pdf>.

Anonymous:1956:CId

- [Ano56j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(4):985–989, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-985.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-985.pdf>.

Anonymous:1956:CIe

- [Ano56k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(5):1233–1237, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1233.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1233.pdf>.

www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1233.pdf.

Anonymous:1956:CIf

- [Ano56l] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 35(6):1465–1466, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1465.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1465.pdf>.

Anonymous:1956:NPP

- [Ano56m] Anonymous. Nobel Prize in Physics awarded to transistor inventors. *The Bell System Technical Journal*, 35(6):i–iv, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-i.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-i.pdf>.

Anonymous:1956:RMBa

- [Ano56n] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(1):242–243, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-242.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-242.pdf>.

vol135-1956/articles/bstj35-1-242.pdf.

Anonymous:1956:RMBb

- [Ano56o] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(2):527–530, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-527.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-527.pdf>.

Anonymous:1956:RMBc

- [Ano56p] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(3):759–761, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-759.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-759.pdf>.

Anonymous:1956:RMBd

- [Ano56q] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(4):979–984, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/>

bstj35-4-979.pdf; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-979.pdf>.

Anonymous:1956:RMBe

- [Ano56r] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(5):1230–1232, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1230.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1230.pdf>.

Anonymous:1956:RMBf

- [Ano56s] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 35(6):1461–1464, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1461.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1461.pdf>.

Anonymous:1957:BSTa

- [Ano57a] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(1):327–334, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-327.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-327.pdf>.

labs.com/BSTJ/images/Vol136/bstj36-1-327.pdf; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-327.pdf>.

Anonymous:1957:BSTb

- [Ano57b] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(2):577–582, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-577.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-577.pdf>.

Anonymous:1957:BSTc

- [Ano57c] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(3):813–822, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-813.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-813.pdf>.

Anonymous:1957:BSTd

- [Ano57d] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(4):1035–1042, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/>

bstj36-4-1035.pdf; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-1035.pdf>.

Anonymous:1957:BSTe

- [Ano57e] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(5):1308–1313, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1308.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1308.pdf>.

Anonymous:1957:BSTf

- [Ano57f] Anonymous. Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(6):1501–1507, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1501.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1501.pdf>.

Anonymous:1957:CIa

- [Ano57g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(1):338–348, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-338.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol136-1957/articles/bstj36-1-338.pdf.

Anonymous:1957:CIb

- [Ano57h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(2):588–591, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-588.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-588.pdf>.

Anonymous:1957:CIc

- [Ano57i] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(3):828–830, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-828.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-828.pdf>.

Anonymous:1957:CId

- [Ano57j] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(4):1045–1046, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-4-1045.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-1045.pdf>.

Anonymous:1957:CIe

- [Ano57k] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(5):1317–1318, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1317.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1317.pdf>.

Anonymous:1957:CIf

- [Ano57l] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 36(6):1511–1513, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1511.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1511.pdf>.

Anonymous:1957:E

- [Ano57m] Anonymous. Errata. *The Bell System Technical Journal*, 36(2):496, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-496.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-496.pdf>. See [FM56] and [LFB57].

Anonymous:1957:RMBa

- [Ano57n] Anonymous. Recent monographs of Bell System technical papers

not published in this journal. *The Bell System Technical Journal*, 36(1):335–337, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-335.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-335.pdf>.

Anonymous:1957:RMBb

[Ano57o] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(2):583–587, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-583.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-583.pdf>.

Anonymous:1957:RMBc

[Ano57p] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(3):823–827, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-823.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-823.pdf>.

Anonymous:1957:RMBd

[Ano57q] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(4):1043–1044, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-4-1043.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-1043.pdf>.

Anonymous:1957:RMBe

[Ano57r] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(5):1313–1317, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1313.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1313.pdf>.

Anonymous:1957:RMBf

[Ano57s] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 36(6):1508–1510, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1508.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol136-1957/articles/bstj36-6-1508.pdf.

Anonymous:1957:WDB

- [Ano57t] Anonymous. W. D. Bulloch appointed editor of B. S. T. J. *The Bell System Technical Journal*, 36(3):710, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-3-710.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-3-710.pdf>.

Anonymous:1958:CIa

- [Ano58a] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 37(1):285–288, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-1-285.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-1-285.pdf>.

Anonymous:1958:CIb

- [Ano58b] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 37(2):576–579, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-2-576.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-2-576.pdf>.

Anonymous:1958:CIc

- [Ano58c] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 37(3):831–834, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-831.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-831.pdf>.

Anonymous:1958:CId

- [Ano58d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 37(4):1088–1090, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-4-1088.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-4-1088.pdf>.

Anonymous:1958:CIe

- [Ano58e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 37(5):1323–1326, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-5-1323.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-5-1323.pdf>.

Anonymous:1958:CIf

- [Ano58f] Anonymous. Contributors to this issue. *The Bell System Technical*

Journal, 37(6):1670–1672, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1670.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1670.pdf>.

Anonymous:1958:RMBa

- [Ano58g] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 37(1):283–285, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-283.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-283.pdf>.

Anonymous:1958:RMBb

- [Ano58h] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 37(2):571–575, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-571.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-571.pdf>.

Anonymous:1958:RMBc

- [Ano58i] Anonymous. Recent monographs of Bell System technical pa-

pers not published in this journal. *The Bell System Technical Journal*, 37(3):827–830, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-827.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-827.pdf>.

Anonymous:1958:RMBd

- [Ano58j] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 37(4):1085–1087, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-1085.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-1085.pdf>.

Anonymous:1958:RMBe

- [Ano58k] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 37(5):1319–1322, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-5-1319.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-5-1319.pdf>.

Anonymous:1958:RMBf

- [Ano58l] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 37(6):1663–1669, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-6-1663.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-6-1663.pdf>.

Anonymous:1959:CIa

- [Ano59a] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 38(1):300–304, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-300.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-300.pdf>.

Anonymous:1959:CIb

- [Ano59b] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 38(2):606–610, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-606.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-606.pdf>.

Anonymous:1959:CIc

- [Ano59c] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 38(3):905–907, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-3-905.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-3-905.pdf>.

Anonymous:1959:CI d

- [Ano59d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 38(4):1065–1066, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-4-1065.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-4-1065.pdf>.

Anonymous:1959:CIe

- [Ano59e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 38(5):1335–1336, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-5-1335.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-5-1335.pdf>.

Anonymous:1959:CI f

- [Ano59f] Anonymous. Contributors to this issue. *The Bell System Technical*

Journal, 38(6):1601–1603, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-6-1601.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-6-1601.pdf>.

Anonymous:1959:HRN

- [Ano59g] Anonymous. H. S. Renne is new editor of B.S.T.J. *The Bell System Technical Journal*, 38(1):18, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-18.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-18.pdf>.

Anonymous:1959:RMBa

- [Ano59h] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 38(1):297–299, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-297.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-297.pdf>.

Anonymous:1959:RMBb

- [Ano59i] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Jour-*

nal, 38(2):603–605, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-603.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-603.pdf>.

Anonymous:1959:RMBc

- [Ano59j] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 38(3):899–904, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-3-899.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-3-899.pdf>.

Anonymous:1959:RMBd

- [Ano59k] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 38(4):1061–1064, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-4-1061.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-4-1061.pdf>.

Anonymous:1959:RMBe

- [Ano59l] Anonymous. Recent monographs of Bell System technical papers

not published in this journal. *The Bell System Technical Journal*, 38(5):1331–1334, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-5-1331.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-5-1331.pdf>.

Anonymous:1959:RMBf

- [Ano59m] Anonymous. Recent monographs of Bell System technical papers not published in this journal. *The Bell System Technical Journal*, 38(6):1595–1600, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1595.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1595.pdf>.

Atalla:1953:AECb

- [Ata53a] M. M. Atalla. Arcing of electrical contacts in telephone switching circuits — Part II — characteristics of the short arc. *The Bell System Technical Journal*, 32(6):1493–1506, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-6-1493.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1493.pdf>.

Atalla:1953:AECa

- [Ata53b] M. M. Atalla. Arcing of electrical contacts in telephone switching circuits: Part I — theory of the initiation of the short arc. *The Bell System Technical Journal*, 32(5):1231–1244, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-5-1231.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-5-1231.pdf>.

Atalla:1954:AEC

- [Ata54] M. M. Atalla. Arcing of electrical contacts in telephone switching circuits: Part III — discharge phenomena on break of inductive circuits. *The Bell System Technical Journal*, 33(3):535–558, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-3-535.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-535.pdf>.

Atalla:1955:AECb

- [Ata55a] M. M. Atalla. Arcing of electrical contacts in telephone switching circuits: Part V — mechanisms of the short arc and erosion of contacts. *The Bell System Technical Journal*, 34(5):1081–1102, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/>

bstj34-5-1081.pdf; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-1081.pdf>.

Atalla:1955:AECa

- [Ata55b] M. M. Atalla. Arcing of electrical contacts in telephone switching systems: Part IV — mechanism of the initiation of the short arc. *The Bell System Technical Journal*, 34(1):203–220, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-203.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-203.pdf>.

Atalla:1959:SSS

- [ATS59] M. M. Atalla, E. Tannenbaum, and E. J. Scheibner. Stabilization of silicon surfaces by thermally grown oxides. *The Bell System Technical Journal*, 38(3):749–783, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-3-749.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-3-749.pdf>.

Ault:1959:SHS

- [Aul59] C. F. Ault. Stable high-speed digital-to-analog conversion for storage tube deflection. *The Bell System Technical Journal*, 38(2):445–465, March 1959. CODEN BSTJAN. ISSN 0005-

8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-445.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-445.pdf>.

Babcock:1953:IIR

- [Bab53] Wallace C. Babcock. Intermodulation interference in radio systems: Frequency of occurrence and control by channel selection. *The Bell System Technical Journal*, 32(1):63–73, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-63.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-63.pdf>.

Backenstoss:1958:ESC

- [Bac58] Gerhard Backenstoss. Evaluation of the surface concentration of diffused layers in silicon. *The Bell System Technical Journal*, 37(3):699–710, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-699.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-699.pdf>.

Baker:1958:FTY

- [Bak58] W. O. Baker. The first ten years of the transistor: A guest editorial. *The Bell System Technical Journal*, 37(5):i–vi, September

1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-5-i.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-5-i.pdf>.

Bangert:1954:TNE

- [Ban54] J. T. Bangert. The transistor as a network element. *The Bell System Technical Journal*, 33(2):329–352, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-2-329.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-2-329.pdf>.

Bardeen:1950:TRB

- [Bar50] J. Bardeen. Theory of relation between hole concentration and characteristics of germanium point contacts. *The Bell System Technical Journal*, 29(4):469–495, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-4-469.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-4-469.pdf>.

Brattain:1953:SPG

- [BB53] Walter H. Brattain and John Bardeen. Surface properties of germanium. *The Bell System Technical Journal*, 32(1):1–41, January 1953. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-1.pdf>.

Blye:1955:RTT

- [BCH55] P. W. Blye, O. H. Coolidge, and H. R. Huntley. A revised telephone transmission rating plan. *The Bell System Technical Journal*, 34(3):453–472, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-453.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-453.pdf>.

Bennett:1955:IIF

- [BCR55] W. R. Bennett, H. E. Curtis, and S. O. Rice. Interchannel interference in FM and PM systems under noise loading conditions. *The Bell System Technical Journal*, 34(3):601–636, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-601.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-601.pdf>.

Brunner:1954:WSM

- [BCS54] A. J. Brunner, H. E. Cosson, and R. W. Strickland. Wire straightening and molding for wire spring relays. *The Bell System Techni-*

cal Journal, 33(4):859–884, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-859.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-859.pdf>.

Burns:1953:ALI

[BD53] R. W. Burns and J. W. Dehn. Automatic line insulation test equipment for local crossbar systems. *The Bell System Technical Journal*, 32(3):627–646, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-627.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-627.pdf>.

Brangaccio:1958:BOT

[BDS58] D. J. Brangaccio, A. F. Dietrich, and J. W. Sullivan. Broadband oscilloscope tube. *The Bell System Technical Journal*, 37(2):447–460, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-447.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-447.pdf>.

Beattie:1958:TFZ

[Bea58] Curtis L. Beattie. Table of first 700 zeros of Bessel functions — $J_l(x)$

and $J_l'(x)$. *The Bell System Technical Journal*, 37(3):689–697, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-689.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-689.pdf>.

Becker:1951:UFE

[Bec51] J. A. Becker. The use of the field emission electron microscope in absorption studies of W on W and Ba on W. *The Bell System Technical Journal*, 30(4):907–932, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-907.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-907.pdf>.

Beck:1956:WIM

[Bec56] A. C. Beck. Waveguide investigations with millimicrosecond pulses. *The Bell System Technical Journal*, 35(1):35–65, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-35.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-35.pdf>.

Bennett:1953:ICT

[Ben53a] A. F. Bennett. An improved circuit for the telephone set. *The Bell System Technical Journal*,

32(3):611–626, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-3-611.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-3-611.pdf>.

Bennett:1953:CMC

- [Ben53b] W. R. Bennett. The correlator-graph. A machine for continuous display of short term correlation. *The Bell System Technical Journal*, 32(5):1173–1185, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1173.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1173.pdf>.

Benes:1957:FTT

- [Ben57a] V. E. Beneš. Fluctuation of telephone traffic. *The Bell System Technical Journal*, 36(4):965–973, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-4-965.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-4-965.pdf>.

Benes:1957:SSS

- [Ben57b] V. E. Beneš. A sufficient set of statistics for a simple telephone exchange model. *The*

Bell System Technical Journal, 36(4):939–964, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-4-939.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-4-939.pdf>.

Bennett:1958:SRD

- [Ben58] W. R. Bennett. Statistics of regenerative digital transmission. *The Bell System Technical Journal*, 37(6):1501–1542, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-6-1501.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-6-1501.pdf>.

Benes:1959:TNE

- [Ben59] Václav E. Beneš. On trunks with negative exponential holding times serving a renewal process. *The Bell System Technical Journal*, 38(1):211–258, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-211.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-211.pdf>.

Bullington:1959:EAT

- [BF59] K. Bullington and J. M. Fraser. Engineering aspects of TASI. *The*

- Bell System Technical Journal*, 38 (2):353–364, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-353.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-353.pdf>.
- [BG55] W. H. Brattain and C. G. B. Garrett. Experiments on the interface between germanium and an electrolyte. *The Bell System Technical Journal*, 34(1):129–176, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-129.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-129.pdf>.
- [BG56] W. H. Brattain and C. G. B. Garrett. Combined measurements of field effect, surface photovoltage and photoconductivity. *The Bell System Technical Journal*, 35(5):1019–1040, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1019.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1019.pdf>.
- [BG57] B. C. Bellows and R. S. Graham. Experimental transversal equalizer for TD-2 radio relay system. *The Bell System Technical Journal*, 36(6):1429–1450, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1429.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1429.pdf>.
- [BH52] W. O. Baker and J. H. Heiss. Interaction of polymers and mechanical waves. *The Bell System Technical Journal*, 31(2):306–356, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-2-306.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-2-306.pdf>.
- [BH55] S. T. Brewer and G. Hecht. A telephone switching network and its electronic controls. *The Bell System Technical Journal*, 34(2):361–402, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-361.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-361.pdf>.

Bellows:1957:ETE**Brattain:1955:EIB****Baker:1952:IPM****Brattain:1956:CMF****Brewer:1955:TSN**

Barney:1959:ETA

- [BHD59] H. L. Barney, F. E. Haworth, and H. K. Dunn. An experimental transistorized artificial larynx. *The Bell System Technical Journal*, 38(6):1337–1356, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1337.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1337.pdf>.

Buhrendorf:1956:LMM

- [BHM56] F. G. Buhrendorf, H. A. Henning, and O. J. Murphy. A laboratory model magnetic drum translator for toll switching offices. *The Bell System Technical Journal*, 35(3):707–745, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-707.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-707.pdf>.

Busch:1955:MPM

- [BHN55] K. J. Busch, A. D. Hasley, and Carl Neitzert. Magnetic pulse modulators. *The Bell System Technical Journal*, 34(5):943–993, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-943.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol134-1955/articles/bstj34-5-943.pdf](http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-943.pdf).

Bouton:1955:EEA

- [BHP55] G. M. Bouton, J. H. Heiss, and G. S. Phipps. Experimental extrusion of aluminum cable sheath at Bell Telephone Laboratories. *The Bell System Technical Journal*, 34(3):529–561, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-529.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-529.pdf>.

Boyd:1957:NCS

- [BHP57] R. C. Boyd, J. D. Howard, Jr., and L. Pedersen. A new carrier system for rural service. *The Bell System Technical Journal*, 36(2):349–390, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-349.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-349.pdf>.

Becker:1959:EVC

- [BHW59] F. K. Becker, J. R. Hefele, and W. T. Wintringham. An experimental visual communication system. *The Bell System Technical Journal*, 38(1):141–176, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-141.pdf>.

labs.com/BSTJ/images/Vol138/
bstj38-1-141.pdf; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-141.pdf>.

Biggs:1951:DOP

- [Big51] B. S. Biggs. Deterioration of organic polymers. *The Bell System Technical Journal*, 30(4):1078–1102, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1078.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1078.pdf>.

Blecher:1956:TCA

- [Ble56] Franklin H. Blecher. Transistor circuits for analog and digital systems. *The Bell System Technical Journal*, 35(2):295–332, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-295.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-295.pdf>.

Blount:1953:TOU

- [Blo53] F. E. Blount. Transistor oscillator for use in multifrequency pulsing current supply. *The Bell System Technical Journal*, 32(6):1313–1331, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-6-1313.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1313.pdf>.

labs.com/BSTJ/images/Vol132/
bstj32-6-1313.pdf; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1313.pdf>.

Bowen:1950:NMT

- [BM50] A. E. Bowen and W. W. Mumford. A new microwave triode: Its performance as a modulator and as an amplifier. *The Bell System Technical Journal*, 29(4):531–552, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-4-531.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-4-531.pdf>.

Bozorth:1951:FDE

- [BMM51] R. M. Bozorth, W. P. Mason, and H. J. McSkimin. Frequency dependence of elastic constants and losses in nickel. *The Bell System Technical Journal*, 30(4):970–989, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-970.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-970.pdf>.

Bobeck:1957:NSE

- [Bob57] Andrew H. Bobeck. A new storage element suitable for large-sized memory arrays — the twistor. *The Bell System Technical Journal*, 36(6):1319–1340, November 1957. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1319.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1319.pdf>.

Bozorth:1950:FAM

- [Boz50] R. M. Bozorth. Factors affecting magnetic quality. *The Bell System Technical Journal*, 29(2):251–286, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-2-251.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-2-251.pdf>.

Brown:1953:BPM

- [BP53] J. T. L. Brown and C. E. Pollard. Balanced polar mercury contact relay. *The Bell System Technical Journal*, 32(6):1393–1411, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-6-1393.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1393.pdf>.

Babcock:1956:COW

- [BRT56] W. C. Babcock, Esther Rentrop, and C. S. Thaeler. Crosstalk on open-wire lines. *The Bell System Technical Journal*, 35(2):515–518, March 1956. CODEN BSTJAN. ISSN 0005-

8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-515.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-515.pdf>.

Bennett:1956:SCE

- [BS56a] D. C. Bennett and B. Sawyer. Single crystals of exceptional perfection and uniformity by zone leveling. *The Bell System Technical Journal*, 35(3):637–660, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-637.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-637.pdf>.

Bond:1956:UIM

- [BS56b] W. L. Bond and F. M. Smits. The use of an interference microscope for measurement of extremely thin surface layers. *The Bell System Technical Journal*, 35(5):1209–1221, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1209.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1209.pdf>.

Brown:1954:ADE

- [BT54] C. B. Brown and M. E. Terry. The application of designed experiments to the card transla-

tor. *The Bell System Technical Journal*, 33(2):369–398, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-2-369.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-2-369.pdf>.

Blackman:1958:MPSa

- [BT58a] R. B. Blackman and J. W. Tukey. The measurement of power spectra from the point of view of communications engineering — Part I. *The Bell System Technical Journal*, 37(1):185–282, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-185.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-185.pdf>.

Blackman:1958:MPSb

- [BT58b] R. B. Blackman and J. W. Tukey. The measurement of power spectra from the point of view of communications engineering — Part II. *The Bell System Technical Journal*, 37(2):485–569, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-485.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-485.pdf>.

Bullington:1953:FEM

- [Bul53] Kenneth Bullington. Frequency economy in mobile radio bands. *The Bell System Technical Journal*, 32(1):42–62, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-42.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-42.pdf>.

Bullington:1957:RPF

- [Bul57] Kenneth Bullington. Radio propagation fundamentals. *The Bell System Technical Journal*, 36(3):593–626, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-593.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-593.pdf>.

Burford:1958:NVE

- [Bur58] T. M. Burford. Nonstationary velocity estimation. *The Bell System Technical Journal*, 37(4):1009–1021, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-1009.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-1009.pdf>.

Burke:1959:EDD

- [Bur59] Paul J. Burke. Equilibrium delay distribution for one channel with constant holding time, Poisson input and random service. *The Bell System Technical Journal*, 38(4):1021–1031, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-4-1021.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-4-1021.pdf>.

Brockbank:1957:RDN

- [BWW57] R. A. Brockbank, D. C. Walker, and V. G. Welsby. Repeater design for the Newfoundland–Nova Scotia link. *The Bell System Technical Journal*, 36(1):245–276, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-245.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-245.pdf>.

Calbick:1951:IRE

- [Cal51] C. J. Calbick. Inorganic replication in electron microscopy. *The Bell System Technical Journal*, 30(4):798–824, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-798.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol130-1951/articles/bstj30-4-798.pdf](http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-798.pdf).

Caruthers:1951:TCT

- [Car51] R. S. Caruthers. The type N-1 carrier telephone system: Objectives and transmission features. *The Bell System Technical Journal*, 30(1):1–32, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-1-1.pdf>.

Crawford:1956:FDP

- [CFJ56] A. B. Crawford, H. T. Friis, and W. C. Jakes, Jr. A 60-foot diameter parabolic antenna for propagation studies. *The Bell System Technical Journal*, 35(5):1199–1208, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1199.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1199.pdf>.

Crawford:1956:MAA

- [CH56] A. B. Crawford and D. C. Hogg. Measurement of atmospheric attenuation at millimeter wavelengths. *The Bell System Technical Journal*, 35(4):907–916, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-907.pdf>; <http://www.alcatel-lucent.com/bstj/>

www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-907.pdf.

Crawford:1959:STP

- [CHK59] A. B. Crawford, D. C. Hogg, and W. H. Kummer. Studies in tropospheric propagation beyond the horizon. *The Bell System Technical Journal*, 38(5):1067–1178, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-5-1067.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-5-1067.pdf>.

Chase:1954:TJD

- [CHS54] F. H. Chase, B. H. Hamilton, and D. H. Smith. Transistors and junction diodes in telephone power plants. *The Bell System Technical Journal*, 33(4):827–858, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-827.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-827.pdf>.

Crawford:1952:SFM

- [CJ52] A. B. Crawford and W. C. Jakes, Jr. Selective fading of microwaves. *The Bell System Technical Journal*, 31(1):68–90, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31->

[1-68.pdf](http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-68.pdf); <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-68.pdf>.

Cook:1956:CH

- [CKQ56] J. S. Cook, R. Kompfner, and C. F. Quate. Coupled helices. *The Bell System Technical Journal*, 35(1):127–178, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-127.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-127.pdf>.

Clogston:1951:RSE

- [Clo51] A. M. Clogston. Reduction of skin effect losses by the use of laminated conductors. *The Bell System Technical Journal*, 30(3):491–529, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-3-491.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-491.pdf>.

Clos:1953:SNB

- [Clo53] Charles Clos. A study of non-blocking switching networks. *The Bell System Technical Journal*, 32(2):406–424, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-406.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol132-1953/articles/bstj32-2-406.pdf.

Clogston:1955:RPF

- [Clo55] A. M. Clogston. Relaxation phenomena in ferrites. *The Bell System Technical Journal*, 34(4):739-760, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-739.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1953/articles/bstj32-1-120.pdf>.

Clark:1952:ASN

- [CO52] A. B. Clark and H. S. Osborne. Automatic switching for nationwide telephone service. *The Bell System Technical Journal*, 31(5):823-831, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-5-823.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-5-823.pdf>.

Colley:1953:EWPa

- [Col53a] Reginald H. Colley. The evaluation of wood preservatives: Part I — interpretation and correlation of the results of laboratory soil-block tests and outdoor test plot experience, with special reference to oil-type materials. *The Bell System Technical Journal*, 32(1):120-169, January 1953. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-120.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-120.pdf>.

Colley:1953:EWpb

- [Col53b] Reginald H. Colley. The evaluation of wood preservatives: Part II. *The Bell System Technical Journal*, 32(2):425-505, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-425.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-2-425.pdf>.

Cook:1955:TVC

- [Coo55] J. S. Cook. Tapered velocity couplers. *The Bell System Technical Journal*, 34(4):807-822, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-807.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-807.pdf>.

Curtis:1957:IID

- [CR57] H. E. Curtis and S. O. Rice. Interchannel interference due to klystron pulling. *The Bell System Technical Journal*, 36(3):645-652, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-807.pdf>.

labs.com/BSTJ/images/Vol136/bstj36-3-645.pdf; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-645.pdf>.

Coolidge:1959:ART

- [CR59] O. H. Coolidge and G. C. Reier. An appraisal of received telephone speech volume. *The Bell System Technical Journal*, 38(3):877–897, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-3-877.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-3-877.pdf>.

Cole:1956:AMT

- [CS56] C. C. Cole and H. R. Shillington. Automatic machine for testing capacitors and resistance-capacitance networks. *The Bell System Technical Journal*, 35(5):1179–1198, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1179.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1179.pdf>.

Cutler:1956:NPS

- [Cut56] C. C. Cutler. The nature of power saturation in traveling wave tubes. *The Bell System Technical Journal*, 35(4):841–876, July 1956. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-841.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-841.pdf>.

Clos:1952:DHT

- [CW52] Charles Clos and Roger I. Wilkinson. Dialing habits of telephone customers. *The Bell System Technical Journal*, 31(1):32–67, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-1-32.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-32.pdf>.

Darlington:1950:RCP

- [Dar50] Sidney Darlington. Realization of a constant phase difference. *The Bell System Technical Journal*, 29(1):94–104, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-1-94.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-1-94.pdf>.

Darlington:1951:PAM

- [Dar51a] Sidney Darlington. The potential analogue method of network synthesis. *The Bell System Technical Journal*, 30(2):315–365, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-315.pdf>.

labs.com/BSTJ/images/Vol130/bstj30-2-315.pdf; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-315.pdf>.

Darrow:1951:SWC

- [Dar51b] Karl K. Darrow. The scientific work of C. J. Davisson. *The Bell System Technical Journal*, 30(4):786–797, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-786.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-786.pdf>.

Darlington:1952:NSU

- [Dar52] Sidney Darlington. Network synthesis using Tchebycheff polynomial series. *The Bell System Technical Journal*, 31(4):613–665, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-4-613.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-613.pdf>.

Darrow:1953:MRPa

- [Dar53a] Karl K. Darrow. Magnetic resonance: Part I — nuclear magnetic resonance. *The Bell System Technical Journal*, 32(1):74–99, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-74.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-74.pdf>.

Darrow:1953:MRPb

- [Dar53b] Karl K. Darrow. Magnetic resonance: Part II — magnetic resonance of electrons. *The Bell System Technical Journal*, 32(2):384–405, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-384.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-2-384.pdf>.

Darlington:1958:LLS

- [Dar58] Sidney Darlington. Linear least-squares smoothing and prediction, with applications. *The Bell System Technical Journal*, 37(5):1221–1294, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-5-1221.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-5-1221.pdf>.

Dawson:1957:EDP

- [Daw57] R. W. Dawson. An experimental dual polarization antenna feed for three radio relay bands. *The Bell System Technical Journal*, 36(2):391–408, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-391.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-391.pdf>.

Davis:1954:ERT

- [DB54] T. E. Davis and A. L. Blaha. Electronic relay transfer. *The Bell System Technical Journal*, 33(4):925–938, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-925.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-925.pdf>.

DeLange:1952:PSM

- [De 52] O. E. De Lange. Propagation studies at microwave frequencies by means of very short pulses. *The Bell System Technical Journal*, 31(1):91–103, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-1-91.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-91.pdf>.

DeLange:1958:THS

- [De 58] O. E. De Lange. The timing of high-speed regenerative repeaters. *The Bell System Technical Journal*, 37(6):1455–1486, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1455.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1455.pdf>.

DeLange:1956:ERB

- [DeL56] O. E. DeLange. Experiments on the regeneration of binary microwave pulses. *The Bell System Technical Journal*, 35(1):67–90, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-67.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-67.pdf>.

Desoer:1957:NCP

- [Des57] C. A. Desoer. A network containing a periodically operated switch solved by successive approximations. *The Bell System Technical Journal*, 36(6):1403–1428, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1403.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1403.pdf>.

Doba:1955:NLV

- [DK55] Stephen Doba, Jr. and A. Robert Kolding. A new local video transmission system. *The Bell System Technical Journal*, 34(4):677–712, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-677.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-677.pdf>.

Dodge:1953:LCS

- [DKK53] H. F. Dodge, B. J. Kinsburg, and M. K. Kruger. The L3 coaxial system: Quality control requirements. *The Bell System Technical Journal*, 32(4):943–967, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-943.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-943.pdf>.

DeLange:1958:ETR

- [DP58] O. E. De Lange and M. Pustelnyk. Experiments on the timing of regenerative repeaters. *The Bell System Technical Journal*, 37(6):1487–1500, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-6-1487.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-6-1487.pdf>.

Dacey:1955:FET

- [DR55] G. C. Dacey and I. M. Ross. The field effect transistor. *The Bell System Technical Journal*, 34(6):1149–1189, November 1955. CODEN BSTJAN. ISSN 0005-

8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-6-1149.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1149.pdf>.

Danielson:1956:DAB

- [DRS56] W. E. Danielson, J. L. Rosenfeld, and J. A. Saloom. A detailed analysis of beam formation with electron guns of the Pierce type. *The Bell System Technical Journal*, 35(2):375–420, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-2-375.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-2-375.pdf>.

DeGrasse:1959:TLS

- [DSDS59] R. W. DeGrasse, E. O. Schulz-DuBois, and H. E. D. Scovil. The three-level solid state traveling-wave maser. *The Bell System Technical Journal*, 38(2):305–334, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-305.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-305.pdf>.

Early:1953:DTJ

- [Ear53] J. M. Early. Design theory of junction transistors. *The Bell*

System Technical Journal, 32(6):1271–1312, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-6-1271.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1271.pdf>.

Early:1954:PPP

- [Ear54] J. M. Early. P-N-I-P and N-P-I-N junction transistor triodes. *The Bell System Technical Journal*, 33(3):517–533, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-3-517.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-517.pdf>.

Earle:1955:NMT

- [Ear55] Norman E. Earle. New manufacturing techniques for precision transformers for the L3 coaxial carrier system. *The Bell System Technical Journal*, 34(2):291–307, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-291.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-291.pdf>.

Edwards:1956:FCM

- [Edw56] C. F. Edwards. Frequency conversion by means of a nonlinear admit-

tance. *The Bell System Technical Journal*, 35(6):1403–1416, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1403.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1403.pdf>.

Elmendorf:1953:LCS

- [EEKG53] C. H. Elmendorf, R. D. Ehrbar, R. H. Klie, and A. J. Grossman. The L3 coaxial system: System design. *The Bell System Technical Journal*, 32(4):781–832, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-4-781.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-4-781.pdf>.

Eggleston:1950:CCL

- [Egg50] Richard C. Eggleston. Conversion of concentrated loads on wood crossarms to loads distributed at each pin position. *The Bell System Technical Journal*, 29(1):105–116, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-1-105.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-1-105.pdf>.

Elmendorf:1957:OIE

- [EH57] C. H. Elmendorf and Bruce C. Heezen. Oceanographic information for engineering submarine cable systems. *The Bell System Technical Journal*, 36(5):1047–1093, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-5-1047.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-5-1047.pdf>.

Ellwood:1955:MTP

- [E1155] W. B. Ellwood. The measurement of the transient power and energy dissipated in closing switch contacts. *The Bell System Technical Journal*, 34(6):1191–1223, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-6-1191.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-6-1191.pdf>.

Elliott:1959:ESW

- [E1159] S. J. Elliott. Evaluation of solderless wrapped connections for central office use. *The Bell System Technical Journal*, 38(4):1033–1059, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-4-1033.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol38-1959/articles/bstj38-4-1033.pdf](http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-4-1033.pdf).

Edwards:1952:TCS

- [EM52] Paul G. Edwards and L. R. Montfort. The type-O carrier system. *The Bell System Technical Journal*, 31(4):688–723, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-688.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-688.pdf>.

Ebers:1955:DAJ

- [EM55] J. J. Ebers and S. L. Miller. Design of alloyed junction germanium transistors for high-speed switching. *The Bell System Technical Journal*, 34(4):761–781, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-4-761.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-4-761.pdf>.

Eppler:1954:TMC

- [Epp54] W. T. Eppler. Thickness measurement and control in the manufacture of polyethylene cable sheath. *The Bell System Technical Journal*, 33(3):559–577, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-3-559.pdf>; <http://www.alcatel-lucent.com/bstj/>

www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-559.pdf.

Evans:1958:OTA

- [Eva58] David H. Evans. Optimum tolerance assignment to yield minimum manufacturing cost. *The Bell System Technical Journal*, 37(2):461–484, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-461.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-461.pdf>.

Friis:1957:RTP

- [FCH57] H. T. Friis, A. B. Crawford, and D. C. Hogg. A reflection theory for propagation beyond the horizon. *The Bell System Technical Journal*, 36(3):627–644, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-627.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-627.pdf>.

Feher:1957:SCM

- [Feh57] G. Feher. Sensitivity considerations in microwave paramagnetic resonance absorption techniques. *The Bell System Technical Journal*, 36(2):449–484, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-449.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-449.pdf>.

www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-449.pdf.

Feiner:1958:HSL

- [FG58] A. Feiner and L. F. Goeller, Jr. A high-speed line scanner for use in an electronic switching system. *The Bell System Technical Journal*, 37(6):1383–1403, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1383.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1383.pdf>.

Frost:1953:TMT

- [FKR53] G. R. Frost, William Keister, and Alistair E. Ritchie. A throw-down machine for telephone traffic studies. *The Bell System Technical Journal*, 32(2):292–359, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-292.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-2-292.pdf>.

Felder:1956:ITN

- [FL56] H. H. Felder and E. N. Little. Intertoll trunk net loss maintenance under operator distance and direct distance dialing. *The Bell System Technical Journal*, 35(4):955–972, July 1956.

1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-955.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-955.pdf>.

Forster:1956:EST

[FM56] J. H. Forster and L. E. Miller. The effect of surface treatments on point-contact transistor characteristics. *The Bell System Technical Journal*, 35(4):767–811, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-767.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-767.pdf>. See erratum [Ano57m].

Fox:1955:BAF

[FMW55] A. G. Fox, S. E. Miller, and M. T. Weiss. Behavior and applications of ferrites in the microwave region. *The Bell System Technical Journal*, 34(1):5–103, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-5.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-5.pdf>.

Fox:1955:WCW

[Fox55] A. G. Fox. Wave coupling by warped normal modes. *The Bell System Technical Journal*, 34(4):823–852, July 1955. CO-

DEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-823.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-823.pdf>.

Felder:1956:ATT

[FPS56] H. H. Felder, A. J. Pascarella, and H. F. Shoffstall. Automatic testing of transmission and operational functions of intertoll trunks. *The Bell System Technical Journal*, 35(4):927–954, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-927.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-927.pdf>.

Feldman:1958:ABD

[FR58] T. Feldman and J. W. Rieke. Application of breakdown devices to large multistage switching networks. *The Bell System Technical Journal*, 37(6):1421–1453, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1421.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1421.pdf>.

Freimanis:1958:SDE

[Fre58] L. Freimanis. A signal distributor for electronic switching sys-

tems. *The Bell System Technical Journal*, 37(6):1405–1419, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1405.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1405.pdf>.

Fry:1952:IDF

- [Fry52] J. R. Fry. Important design factors influencing reliability of relays. *The Bell System Technical Journal*, 31(5):976–998, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-5-976.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-5-976.pdf>.

Fuchs:1959:WBD

- [Fuc59] F. J. Fuchs, Jr. Waveguide bending design analysis: Theory of bending and formulae for determination of wall thicknesses. *The Bell System Technical Journal*, 38(6):1457–1484, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1457.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1457.pdf>.

Ford:1951:DET

- [FW51] G. T. Ford and E. J. Walsh. The

development of electron tubes for a new coaxial transmission system. *The Bell System Technical Journal*, 30(4):1103–1128, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1103.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1103.pdf>.

Galt:1954:MID

- [Gal54] J. K. Galt. Motion of individual domain walls in a nickel-iron ferrite. *The Bell System Technical Journal*, 33(5):1023–1054, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1023.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1023.pdf>.

Galt:1955:MID

- [Gal55] J. K. Galt. Motion of individual domain walls in a nickel-iron ferrite. *The Bell System Technical Journal*, 34(2):439–441, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-439.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-439.pdf>.

Gallaher:1959:BPS

- [Gal59] L. E. Gallaher. Beam-positioning

servo system for the flying spot store. *The Bell System Technical Journal*, 38(2):425–444, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-425.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-425.pdf>.

Garrett:1956:DCS

- [GB56] C. G. B. Garrett and W. H. Brattain. Distribution and cross-sections of fast states on germanium surfaces. *The Bell System Technical Journal*, 35(5):1041–1058, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1041.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1041.pdf>.

Gianola:1959:LMD

- [GC59] U. F. Gianola and T. H. Crowley. The laddic — A magnetic device for performing logic. *The Bell System Technical Journal*, 38(1):45–72, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-1-45.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-45.pdf>.

Germer:1951:HDE

- [Ger51] L. H. Germer. Heat dissipation at the electrodes of a short electric arc. *The Bell System Technical Journal*, 30(4):933–944, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-933.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-933.pdf>.

Gilmore:1958:NDM

- [GGI58] A. C. Gilmore, P. R. Gray, and W. S. Irvine. New developments in military switching. *The Bell System Technical Journal*, 37(2):375–400, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-375.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-375.pdf>.

Gilbert:1951:TSC

- [Gil51a] E. N. Gilbert. *N*-terminal switching circuits. *The Bell System Technical Journal*, 30(3):668–688, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-3-668.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-668.pdf>.

Gilbert:1951:STC

- [Gil51b] J. J. Gilbert. A submarine telephone cable with submerged repeaters. *The Bell System Technical Journal*, 30(1):65–87, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-65.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-65.pdf>.

Gilbert:1952:CSA

- [Gil52] E. N. Gilbert. A comparison of signalling alphabets. *The Bell System Technical Journal*, 31(3):504–522, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-3-504.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-3-504.pdf>.

Gilbert:1958:GCP

- [Gil58] E. N. Gilbert. Gray codes and paths on the n -cube. *The Bell System Technical Journal*, 37(3):815–826, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-815.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-815.pdf>.

Gleichmann:1957:RDN

- [GLWB57] T. F. Gleichmann, A. H. Lince, M. C. Wooley, and F. J. Braga. Repeater design for the North Atlantic Link. *The Bell System Technical Journal*, 36(1):69–101, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-1-69.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-1-69.pdf>.

Gray:1953:DME

- [GM53] A. N. Gray and G. E. Murray. Development and manufacture of electroformed conductor for telephone drop wire. *The Bell System Technical Journal*, 32(5):1099–1135, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1099.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1099.pdf>.

Gammie:1955:SNI

- [GM55a] J. Gammie and J. L. Merrill, Jr. Stability of negative impedance elements in short transmission lines. *The Bell System Technical Journal*, 34(2):333–360, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-2-333.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol134-1955/articles/bstj34-2-333.pdf.

Gilbert:1955:ODD

- [GM55b] E. N. Gilbert and S. P. Morgan. Optimum design of directive antenna arrays subject to random variations. *The Bell System Technical Journal*, 34(3):637–663, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-637.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-637.pdf>.

Gilbert:1959:VLB

- [GM59] E. N. Gilbert and E. F. Moore. Variable-length binary encodings. *The Bell System Technical Journal*, 38(4):933–967, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-4-933.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-4-933.pdf>.

Goodall:1951:TPC

- [Goo51] W. M. Goodall. Television by pulse code modulation. *The Bell System Technical Journal*, 30(1):33–49, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-1-33.pdf>; [http://www.alcatel-](http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-1-33.pdf)

[lucent.com/bstj/vol130-1951/articles/bstj30-1-33.pdf](http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-1-33.pdf).

Gilbert:1957:CPP

- [GP57] E. N. Gilbert and H. O. Pollak. Coincidences in Poisson patterns. *The Bell System Technical Journal*, 36(4):1005–1033, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-4-1005.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-1005.pdf>.

Geusic:1959:PRS

- [GPSD59] J. E. Geusic, Martin Peter, and E. O. Schulz-DuBois. Paramagnetic resonance spectrum of Cr+++ in emerald. *The Bell System Technical Journal*, 38(1):291–296, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-1-291.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-291.pdf>.

Gridale:1951:PFR

- [GPV51] R. O. Gridale, A. C. Pfister, and W. Van Roosbroeck. Pyrolytic film resistors: Carbon and borocarbon. *The Bell System Technical Journal*, 30(2):271–314, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-271.pdf>; [http://www.alcatel-](http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-271.pdf)

www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-271.pdf.

Gray:1951:ESD

- [Gra51] Frank Gray. Electron streams in a diode. *The Bell System Technical Journal*, 30(4):830–854, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-830.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-830.pdf>.

Gramels:1953:SRF

- [Gra53] J. Gramels. Selenium rectifiers—factors in their application. *The Bell System Technical Journal*, 32(6):1469–1492, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-6-1469.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1469.pdf>.

Green:1958:T

- [Gre58] E. I. Green. Telephone. *The Bell System Technical Journal*, 37(2):289–338, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-2-289.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-2-289.pdf>.

Grubbs:1959:HED

- [Gru59] W. J. Grubbs. Hall effect devices. *The Bell System Technical Journal*, 38(3):853–876, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-3-853.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-3-853.pdf>.

Germer:1957:AEC

- [GS57] L. H. Germer and J. L. Smith. Activation of electrical contacts by organic vapors. *The Bell System Technical Journal*, 36(3):769–812, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-3-769.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-3-769.pdf>.

Greenwood:1958:HSB

- [GS58] T. S. Greenwood and R. E. Staehler. A high-speed barrier grid store. *The Bell System Technical Journal*, 37(5):1195–1220, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-5-1195.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-5-1195.pdf>.

Garrett:1953:LCS

- [GTW53] R. F. Garrett, T. L. Tuffnell, and R. A. Waddell. The L3 coaxial system: Application of quality control requirements in the manufacture of components. *The Bell System Technical Journal*, 32(4):969–1005, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-969.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-969.pdf>.

Hagelbarger:1959:RCE

- [Hag59] D. W. Hagelbarger. Recurrent codes: easily mechanized, burst-correcting, binary codes. *The Bell System Technical Journal*, 38(4):969–984, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-4-969.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-4-969.pdf>.

Hamming:1950:EDE

- [Ham50] R. W. Hamming. Error detecting and error correcting codes. *The Bell System Technical Journal*, 29(2):147–160, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-2-147.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol29-1950/articles/bstj29-2-147.pdf](http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-2-147.pdf).

Hansen:1956:AMT

- [Han56] L. D. Hansen. Automatic manufacturing testing of relay switching circuits. *The Bell System Technical Journal*, 35(5):1155–1178, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-5-1155.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-5-1155.pdf>.

Hartley:1950:MMM

- [Har50a] R. V. L. Hartley. Matter, A mode of motion. *The Bell System Technical Journal*, 29(3):350–368, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-3-350.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-350.pdf>.

Hartley:1950:RDW

- [Har50b] R. V. L. Hartley. The reflection of diverging waves by a gyrostatic medium. *The Bell System Technical Journal*, 29(3):369–389, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-3-369.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-369.pdf>.

Harrison:1952:ELP

- [Har52] C. W. Harrison. Experiments with linear prediction in television. *The Bell System Technical Journal*, 31(4):764–783, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-4-764.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-764.pdf>.

Harkless:1959:NCR

- [Har59] Earl T. Harkless. A network for combining radio systems at 4, 6 and 11 kmc. *The Bell System Technical Journal*, 38(5):1253–1267, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-5-1253.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-5-1253.pdf>.

Hayward:1952:RTT

- [Hay52] W. S. Hayward, Jr. The reliability of telephone traffic load measurements by switch counts. *The Bell System Technical Journal*, 31(2):357–377, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-2-357.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-2-357.pdf>.

Halsey:1957:SDN

- [HB57] R. J. Halsey and J. F. Bampton. System design for the Newfoundland–Nova Scotia link. *The Bell System Technical Journal*, 36(1):217–244, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-217.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-217.pdf>.

Hines:1955:DMB

- [HCM55] M. E. Hines, M. Chroney, and J. A. McCarthy. Digital memory in barrier-grid storage tubes. *The Bell System Technical Journal*, 34(6):1241–1264, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-6-1241.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1241.pdf>.

Hermance:1958:ODP

- [HE58] H. W. Hermance and T. F. Egan. Organic deposits on precious metal contacts. *The Bell System Technical Journal*, 37(3):739–776, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-739.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-739.pdf>.

Hathaway:1959:RAK

- [HE59] S. D. Hathaway and H. W. Evans. Radio attenuation at 11 kmc and some implications affecting relay system engineering. *The Bell System Technical Journal*, 38(1):73–97, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-1-73.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-73.pdf>.

Heidenreich:1951:ETT

- [Hei51] R. D. Heidenreich. Electron transmission through thin metal sections with application to self-recovery in cold worked aluminum. *The Bell System Technical Journal*, 30(4):867–887, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-867.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-867.pdf>.

Helm:1959:T

- [Hel59] H. A. Helm. The Z transformation. *The Bell System Technical Journal*, 38(1):177–196, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-1-177.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-177.pdf>.

Herring:1955:TPM

- [Her55] Conyers Herring. Transport properties of a many-valley semiconductor. *The Bell System Technical Journal*, 34(2):237–290, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-237.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-237.pdf>.

Herring:1959:APD

- [HGK59] C. Herring, T. H. Geballe, and J. E. Kunzler. Analysis of phonon-drag thermomagnetic effects in n-type germanium. *The Bell System Technical Journal*, 38(3):657–747, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-3-657.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-3-657.pdf>.

Hoover:1959:SDF

- [HHH59] C. W. Hoover, Jr., G. Haugk, and D. R. Herriott. System design of the flying spot store. *The Bell System Technical Journal*, 38(2):365–401, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-365.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-365.pdf>.

Hines:1950:WRM

- [Hin50] M. E. Hines. A wide range microwave sweeping oscillator. *The Bell System Technical Journal*, 29(4):553–559, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-4-553.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-4-553.pdf>.

Hampton:1953:CTN

- [HN53] L. N. Hampton and J. B. Newsom. The card translator for nationwide dialing. *The Bell System Technical Journal*, 32(5):1037–1098, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-5-1037.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-5-1037.pdf>.

Hogan:1952:FFE

- [Hog52] C. L. Hogan. The ferromagnetic Faraday Effect at microwave frequencies and its applications: The microwave gyrator. *The Bell System Technical Journal*, 31(1):1–31, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-1.pdf>.

Holden:1951:LME

- [Hol51] A. N. Holden. Longitudinal modes of elastic waves in isotropic cylinders and slabs. *The Bell System Technical Journal*, 30(4):956–969, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-956.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-956.pdf>.

Hopkins:1952:PSC

- [Hop52] I. L. Hopkins. Principle strains in cable sheaths and other buckled surfaces. *The Bell System Technical Journal*, 31(3):523–529, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-3-523.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-3-523.pdf>.

Hovgaard:1955:DRS

- [HP55] O. M. Hovgaard and G. E. Perreault. Development of reed switches and relays. *The Bell System Technical Journal*, 34(2):309–332, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-2-309.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-2-309.pdf>.

Hysko:1952:CTS

- [HRR52] J. L. Hysko, W. T. Rea, and L. C. Roberts. A carrier telegraph system for short-haul applications. *The Bell System Technical Journal*, 31(4):666–687, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-666.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-666.pdf>.

Hohn:1955:BMD

- [HS55] Franz E. Hohn and L. Robert Schissler. Boolean matrices and the design of combinational relay switching circuits. *The Bell System Technical Journal*, 34(1):177–202, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-1-177.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-1-177.pdf>.

Hoover:1958:FCD

- [HSK58] C. W. Hoover, Jr., R. E. Staehler, and R. W. Ketchledge. Fundamental concepts in the design of the flying spot store. *The Bell System Technical Journal*, 37(5):1161–1194, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-5-1161.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-5-1161.pdf>.

www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-5-1161.pdf.

Huntley:1953:TDI

- [Hun53] H. R. Huntley. Transmission design of intertoll telephone trunks. *The Bell System Technical Journal*, 32(5):1019–1036, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1019.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1019.pdf>.

Hussey:1953:SDG

- [Hus53] Luther W. Hussey. Semiconductor diode gates. *The Bell System Technical Journal*, 32(5):1137–1154, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1137.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1137.pdf>.

Horton:1955:TDI

- [HV55] A. W. Horton, Jr. and H. E. Vaughan. Transmission of digital information over telephone circuits. *The Bell System Technical Journal*, 34(3):511–528, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-3-511.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-3-511.pdf>.

www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-3-511.pdf.

Inglis:1951:ITS

- [IT51] A. H. Inglis and W. L. Tuffnell. An improved telephone set. *The Bell System Technical Journal*, 30(2):239–270, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-2-239.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-239.pdf>.

Jacobs:1958:NTL

- [Jac58] Ira Jacobs. The nonuniform transmission line as a broadband termination. *The Bell System Technical Journal*, 37(4):913–924, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-4-913.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-4-913.pdf>.

Jensen:1951:DCR

- [Jen51] A. G. Jensen. The Davisson cathode ray television tube using deflection modulation. *The Bell System Technical Journal*, 30(4):855–866, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-855.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-855.pdf>.

www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-855.pdf.

Jack:1957:RSC

- [JLL57] J. S. Jack, Capt. W. H. Leech, and H. A. Lewis. Route selection and cable laying for the transatlantic cable system. *The Bell System Technical Journal*, 36(1):293–326, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-1-293.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-1-293.pdf>.

Joel:1956:ETS

- [Joe56a] A. E. Joel. Electronics in telephone switching systems. *The Bell System Technical Journal*, 35(5):991–1018, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-5-991.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-5-991.pdf>.

Joel:1956:ERC

- [Joe56b] A. E. Joel, Jr. An experimental remote controlled line concentrator. *The Bell System Technical Journal*, 35(2):249–293, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-2-249.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-2-249.pdf>.

bstj35-2-249.pdf; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-2-249.pdf>.

Joel:1958:ESS

- [Joe58] A. E. Joel, Jr. An experimental switching system using new electronic techniques. *The Bell System Technical Journal*, 37(5): 1091–1124, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-5-1091.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-5-1091.pdf>.

Johnston:1954:ITC

- [Joh54] D. F. Johnston. Intertoll trunk concentrating equipment. *The Bell System Technical Journal*, 33(2):303–327, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-2-303.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-2-303.pdf>.

Julesz:1959:MCT

- [Jul59] Bela Julesz. A method of coding television signals based on edge detection. *The Bell System Technical Journal*, 38(4):1001–1020, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/>

bstj38-4-1001.pdf; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-4-1001.pdf>.

Kaplan:1955:SDS

- [Kap55] E. L. Kaplan. Signal-detection studies, with applications. *The Bell System Technical Journal*, 34(2):403–437, March 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-2-403.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-2-403.pdf>.

Kaylor:1953:SSS

- [Kay53] R. L. Kaylor. A statistical study of selective fading of super-high frequency radio signals. *The Bell System Technical Journal*, 32(5):1187–1202, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1187.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1187.pdf>.

Kelly:1951:DCJ

- [Kel51] M. J. Kelly. Dr. C. J. Davison. *The Bell System Technical Journal*, 30(4):779–785, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-779.pdf>; <http://>

www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-779.pdf.

Keller:1952:NGP

- [Kel52] Arthur C. Keller. A new general purpose relay for telephone switching systems. *The Bell System Technical Journal*, 31(6):1023–1067, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-6-1023.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1023.pdf>.

Kelly:1956:NII

- [Kel56] J. L. Kelly, Jr. A new interpretation of information rate. *The Bell System Technical Journal*, 35(4):917–926, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-4-917.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-4-917.pdf>.

Kempf:1951:CIS

- [Kem51] R. A. Kempf. Coaxial impedance standards. *The Bell System Technical Journal*, 30(3):689–705, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-689.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol30-1951/articles/bstj30-3-689.pdf](http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-689.pdf).

Ketchledge:1955:DFA

- [Ket55] R. W. Ketchledge. Distortion in feedback amplifiers. *The Bell System Technical Journal*, 34(6):1265–1285, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-6-1265.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-6-1265.pdf>.

Ketchledge:1959:LDS

- [Ket59] R. W. Ketchledge. Logic for a digital servo system. *The Bell System Technical Journal*, 38(1):1–17, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-1.pdf>.

Ketchledge:1953:LCS

- [KF53] R. W. Ketchledge and T. R. Finch. The L3 coaxial system: Equalization and regulation. *The Bell System Technical Journal*, 32(4):833–878, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-833.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol32-1953/articles/bstj32-4-833.pdf.

Keefe:1958:RCB

- [KG58] H. J. Keefe and R. H. Gumley. Relay contact behavior under non-eroding circuit conditions. *The Bell System Technical Journal*, 37(3):777–814, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-777.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-777.pdf>.

Kock:1951:PMD

- [KH51] W. E. Kock and F. K. Harvey. A photographic method for displaying sound wave and microwave space patterns. *The Bell System Technical Journal*, 30(3):564–587, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-564.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-564.pdf>.

Kohman:1955:SME

- [KHD55] G. T. Kohman, H. W. Hermance, and G. H. Downes. Silver migration in electrical insulation. *The Bell System Technical Journal*, 34(6):1115–1147, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/>

bstj34-6-1115.pdf; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-6-1115.pdf>.

King:1954:CAM

- [Kin54] G. V. King. Centralized automatic message accounting system. *The Bell System Technical Journal*, 33(6):1331–1342, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-6-1331.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-6-1331.pdf>.

King:1956:OMA

- [Kin56] A. P. King. Observed 5-6 mm attenuation for the circular electric wave in small and medium-sized pipes. *The Bell System Technical Journal*, 35(5):1115–1128, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-5-1115.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-5-1115.pdf>.

Kinariwala:1959:SAR

- [Kin59a] B. K. Kinariwala. Synthesis of active RC networks. *The Bell System Technical Journal*, 38(5):1269–1316, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/>

bstj38-5-1269.pdf; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-5-1269.pdf>.

King:1959:ANS

- [Kin59b] J. C. King. The anelasticity of natural and synthetic quartz at low temperatures. *The Bell System Technical Journal*, 38(2): 573–602, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-573.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-573.pdf>.

King:1959:ECT

- [Kin59c] Mrs. R. A. King. An experimental clogston 2 transmission line. *The Bell System Technical Journal*, 38(2):517–536, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-517.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-517.pdf>.

Kisliuk:1958:UCR

- [Kis58] P. Kisliuk. Using contact resistance to measure adsorption of gases on metals. *The Bell System Technical Journal*, 37(4):925–949, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/>

bstj37-4-925.pdf; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-4-925.pdf>.

Kleinman:1956:FCP

- [Kle56] D. A. Kleinman. The forward characteristic of the PIN diode. *The Bell System Technical Journal*, 35(3):685–706, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-3-685.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-3-685.pdf>.

King:1956:TLD

- [KM56] A. P. King and E. A. Marcatili. Transmission loss due to resonance of loosely-coupled modes in a multi-mode system. *The Bell System Technical Journal*, 35(4):899–906, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-4-899.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-4-899.pdf>.

Kingsbury:1952:PPI

- [KO52] Edwin F. Kingsbury and Russell S. Ohl. Photoelectric properties of ionically bombarded silicon. *The Bell System Technical Journal*, 31(4):802–815, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-4-802.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-802.pdf>.

Kahl:1951:SDF

- [KP51] W. E. Kahl and L. Pedersen. Some design features of the N-1 carrier telephone system. *The Bell System Technical Journal*, 30(2):418–446, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-418.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-418.pdf>.

Kelly:1957:TCH

- [KR57] Mervin J. Kelly and Sir Gordon Radley. Transatlantic communications — an historical resume. *The Bell System Technical Journal*, 36(1):1–5, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-1.pdf>.

Kretzmer:1952:STS

- [Kre52] E. R. Kretzmer. Statistics of television signals. *The Bell System Technical Journal*, 31(4):751–763, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-4-751.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-751.pdf>.

labs.com/BSTJ/images/Vol131/bstj31-4-751.pdf; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-751.pdf>.

Kronacher:1957:DPA

- [Kro57] G. Kronacher. Design, performance and application of the vernier resolver. *The Bell System Technical Journal*, 36(6):1487–1500, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1487.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1487.pdf>.

Lechleider:1959:MCJ

- [Lec59] J. W. Lechleider. Mode conversion at the junction of helix waveguide and copper pipe. *The Bell System Technical Journal*, 38(5):1317–1329, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-5-1317.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-5-1317.pdf>.

Lee:1955:ASN

- [Lee55] C. Y. Lee. Analysis of switching networks. *The Bell System Technical Journal*, 34(6):1287–1315, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-4-751.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-751.pdf>.

labs.com/BSTJ/images/Vol134/bstj34-6-1287.pdf; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1287.pdf>.

Lee:1956:HFD

- [Lee56] Charles A. Lee. A high-frequency diffused base germanium transistor. *The Bell System Technical Journal*, 35(1):23–34, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-23.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-23.pdf>.

Leenov:1958:GNF

- [Lee58] D. Leenov. Gain and noise figure of a variable-capacitance up-converter. *The Bell System Technical Journal*, 37(4):989–1008, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-989.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-989.pdf>.

Lee:1959:RSC

- [Lee59] C. Y. Lee. Representation of switching circuits by binary-decision programs. *The Bell System Technical Journal*, 38(4):985–999, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/>

[bstj38-4-985.pdf](http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-4-985.pdf); <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-4-985.pdf>.

Levenbach:1958:CSD

- [Lev58] G. J. Levenbach. Contribution of statistics to the development program of a transformer for L3 carrier system. *The Bell System Technical Journal*, 37(1):23–54, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-23.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-23.pdf>.

Lebert:1957:CDM

- [LFB57] A. W. Lebert, H. B. Fischer, and M. C. Biskeborn. Cable design and manufacture for the transatlantic submarine cable system. *The Bell System Technical Journal*, 36(1):189–216, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-189.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-189.pdf>. See erratum [Ano57m].

Lamb:1957:RPN

- [LH57] H. A. Lamb and W. W. Heffner. Repeater production for the North Atlantic Link. *The Bell System Technical Journal*, 36(1):103–138, January 1957. CODEN BSTJAN. ISSN 0005-

8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-103.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-103.pdf>.

Leagus:1959:VLS

- [LLM59] Dolores C. Leagus, C. Y. Lee, and George H. Mealy. Verification of the logic structure of an experimental switching system on a digital computer. *The Bell System Technical Journal*, 38(2):467–476, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-467.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-467.pdf>.

Lloyd:1957:BBC

- [Llo57] S. P. Lloyd. Binary block coding. *The Bell System Technical Journal*, 36(2):517–535, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-517.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-517.pdf>.

Lovell:1955:EPS

- [LMM55] C. A. Lovell, J. H. McGuigan, and O. J. Murphy. An experimental polytonic signaling system. *The Bell System Technical Journal*, 34(4):783–806, July

1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-783.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-783.pdf>.

Laico:1956:MPT

- [LMM56] J. P. Laico, H. L. McDowell, and C. R. Moster. A medium power traveling-wave tube for 6,000-Mc radio relay. *The Bell System Technical Journal*, 35(6):1285–1346, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1285.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1285.pdf>.

Logan:1953:DME

- [Log53] M. A. Logan. Dynamic measurements on electromagnetic devices. *The Bell System Technical Journal*, 32(6):1413–1467, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-6-1413.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-6-1413.pdf>.

Logan:1954:ECO

- [Log54] M. A. Logan. Estimation and control of the operate time of relays: Part II — design of optimum wind-

ings. *The Bell System Technical Journal*, 33(1):144–186, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-144.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-144.pdf>.

Louisell:1955:AST

- [Lou55] W. H. Louisell. Analysis of the single tapered mode coupler. *The Bell System Technical Journal*, 34(4):853–870, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-4-853.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-4-853.pdf>.

Lozier:1951:ICN

- [Loz51] J. C. Lozier. Instantaneous companders on narrow band speech channels. *The Bell System Technical Journal*, 30(4):1214–1220, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1214.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1214.pdf>.

Linville:1956:DTT

- [LS56] J. G. Linville and L. G. Schimpf. The design of tetrode transistor amplifiers. *The Bell System Tech-*

nical Journal, 35(4):813–840, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-813.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-813.pdf>.

Lewis:1957:SDN

- [LTLF57] H. A. Lewis, R. S. Tucker, G. H. Lovell, and J. M. Fraser. System design for the North Atlantic Link. *The Bell System Technical Journal*, 36(1):29–68, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-29.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-29.pdf>.

Mason:1954:SSS

- [MA54] W. P. Mason and O. L. Anderson. Stress systems in the solderless wrapped connection and their permanence. *The Bell System Technical Journal*, 33(5):1093–1110, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1093.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1093.pdf>.

MacColl:1951:REM

- [Mac51] L. A. MacColl. On the reflection of electrons by metallic crys-

tals. *The Bell System Technical Journal*, 30(4):888–906, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-888.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-888.pdf>.

Mallinckrodt:1951:IC

- [Mal51] C. O. Mallinckrodt. Instantaneous compandors. *The Bell System Technical Journal*, 30(3):706–720, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-3-706.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-706.pdf>.

Mallina:1953:SWC

- [Mal53] R. F. Mallina. Solderless wrapped connections: Part I — structure and tools. *The Bell System Technical Journal*, 32(3):525–555, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-525.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-525.pdf>.

Martin:1951:SFY

- [Mar51] W. H. Martin. Seventy-five years of the telephone: An evolution in technology. *The Bell System Tech-*

nical Journal, 30(2):215–238, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-215.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-215.pdf>.

Marcuse:1958:ATW

- [Mar58] D. Marcuse. Attenuation of the TE₀₁ wave within the curved helix waveguide. *The Bell System Technical Journal*, 37(6):1649–1662, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1649.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1649.pdf>.

Mason:1950:OPE

- [Mas50] W. P. Mason. Optical properties and the electro-optic and photoelastic effects in crystals expressed in tensor form. *The Bell System Technical Journal*, 29(2):161–188, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-2-161.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-2-161.pdf>.

Mason:1951:ZTC

- [Mas51] W. P. Mason. Zero temperature coefficient quartz crystals

for very high temperatures. *The Bell System Technical Journal*, 30(2):366–380, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-366.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-366.pdf>.

Mason:1955:EDU

- [Mas55] W. P. Mason. Effect of dislocations on ultrasonic wave attenuation in metals. *The Bell System Technical Journal*, 34(5):903–942, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-903.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-903.pdf>.

Maupin:1951:ISD

- [Mau51] J. T. Maupin. Interaxial spacing and dielectric constant of pairs in multipaired cables. *The Bell System Technical Journal*, 30(3):652–667, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-3-652.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-652.pdf>.

McCluskey:1956:DGJ

- [McC56a] E. J. McCluskey, Jr. Detec-

tion of group invariance or total symmetry of a Boolean function. *The Bell System Technical Journal*, 35(6):1445–1453, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1445.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1445.pdf>.

McCluskey:1956:MBF

- [McC56b] E. J. McCluskey, Jr. Minimization of Boolean functions. *The Bell System Technical Journal*, 35(6):1417–1444, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1417.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1417.pdf>.

McCall:1957:DPC

- [McC57] D. W. McCall. The determination of pressure coefficients of capacitance for certain geometries. *The Bell System Technical Journal*, 36(2):485–495, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-485.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-485.pdf>.

McCluskey:1959:ECC

- [McC59] E. J. McCluskey, Jr. Error-correcting codes — a linear programming approach. *The Bell System Technical Journal*, 38(6):1485–1512, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1485.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1485.pdf>.

McMillan:1952:IFRa

- [McM52a] Brockway McMillan. Introduction to formal realizability theory — I. *The Bell System Technical Journal*, 31(2):217–279, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-2-217.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-2-217.pdf>.

McMillan:1952:IFRb

- [McM52b] Brockway McMillan. Introduction to formal realizability theory — II. *The Bell System Technical Journal*, 31(3):541–600, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-3-541.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-3-541.pdf>.

McRae:1953:SWC

- [McR53] J. W. McRae. Solderless wrapped connections — introduction. *The Bell System Technical Journal*, 32(3):523–524, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-523.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-523.pdf>.

Mehring:1955:DVO

- [ME55a] A. C. Mehring and E. L. Erwin. Dual voltage operation of relays and crossbar switches. *The Bell System Technical Journal*, 34(6):1225–1240, November 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-6-1225.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-6-1225.pdf>.

Miller:1955:AJA

- [ME55b] S. L. Miller and J. J. Ebers. Alloyed junction avalanche transistors. *The Bell System Technical Journal*, 34(5):883–902, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-883.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-883.pdf>.

Mealy:1955:MSS

- [Mea55] George H. Mealy. A method for synthesizing sequential circuits. *The Bell System Technical Journal*, 34(5):1045–1079, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-5-1045.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-5-1045.pdf>.

Menard:1952:NRM

- [Men52] James Z. Menard. A new recording medium for transcribed message services. *The Bell System Technical Journal*, 31(3):530–540, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-3-530.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-3-530.pdf>.

Merrill:1951:TNI

- [Mer51] J. L. Merrill, Jr. Theory of the negative impedance converter. *The Bell System Technical Journal*, 30(1):88–109, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-88.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-88.pdf>.

Mottram:1957:TTC

- [MHEG57] E. T. Mottram, R. J. Halsey, J. W. Emling, and R. G. Griffith. Transatlantic telephone cable system — planning and over-all performance. *The Bell System Technical Journal*, 36(1):7–27, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-1-7.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-1-7.pdf>.

Miller:1954:CWT

- [Mil54a] S. E. Miller. Coupled wave theory and waveguide applications. *The Bell System Technical Journal*, 33(3):661–719, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-3-661.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-3-661.pdf>.

Miller:1954:WCM

- [Mil54b] S. E. Miller. Waveguide as a communications medium. *The Bell System Technical Journal*, 33(6):1209–1265, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-6-1209.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-6-1209.pdf>.

Morris:1953:LCS

- [MLD53] L. H. Morris, G. H. Lovell, and F. R. Dickinson. The L3 coaxial system: Amplifiers. *The Bell System Technical Journal*, 32(4):879–914, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-879.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-879.pdf>.

Mott:1951:RAT

- [MM51] E. E. Mott and R. C. Miner. The ring armature telephone receiver. *The Bell System Technical Journal*, 30(1):110–140, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-110.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-110.pdf>.

Mason:1952:MPP

- [MM52] Warren P. Mason and H. J. McSkimin. Mechanical properties of polymers at ultrasonic frequencies. *The Bell System Technical Journal*, 31(1):122–171, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-1-122.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-1-122.pdf>.

Mertz:1957:TAD

- [MM57] P. Mertz and D. Mitchell. Transmission aspects of data transmission service using private line voice telephone channels. *The Bell System Technical Journal*, 36(6):1451–1486, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-6-1451.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-6-1451.pdf>.

McNally:1957:ETT

- [MMVH57] J. O. McNally, G. H. Metson, E. A. Veazie, and M. F. Holmes. Electron tubes for the transatlantic cable system. *The Bell System Technical Journal*, 36(1):163–188, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-1-163.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-1-163.pdf>.

Mason:1953:SWC

- [MO53] W. P. Mason and T. F. Osmer. Solderless wrapped connections: Part II — necessary conditions for obtaining a permanent connection. *The Bell System Technical Journal*, 32(3):557–590, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/>

bstj32-3-557.pdf; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-3-557.pdf>.

Montgomery:1952:ENS

- [Mon52] H. C. Montgomery. Electrical noise in semiconductors. *The Bell System Technical Journal*, 31(5):950–975, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-950.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-950.pdf>.

Morgan:1952:MTLb

- [Mor52a] Samuel P. Morgan, Jr. Mathematical theory of laminated transmission lines — Part I. *The Bell System Technical Journal*, 31(5):883–949, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-883.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-883.pdf>.

Morgan:1952:MTL

- [Mor52b] Samuel P. Morgan, Jr. Mathematical theory of laminated transmission lines — Part II. *The Bell System Technical Journal*, 31(6):1121–1206, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-6-1121.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1121.pdf>.

labs.com/BSTJ/images/Vol31/bstj31-6-1121.pdf; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1121.pdf>.

Morton:1952:PST

- [Mor52c] J. A. Morton. Present status of transistor development. *The Bell System Technical Journal*, 31(3):411–442, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-3-411.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-3-411.pdf>.

Morgan:1957:TCC

- [Mor57] Samuel P. Morgan. Theory of curved circular waveguide containing an inhomogeneous dielectric. *The Bell System Technical Journal*, 36(5):1209–1251, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-5-1209.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-5-1209.pdf>.

Morin:1958:OTM

- [Mor58] F. J. Morin. Oxides of the 3d transition metals. *The Bell System Technical Journal*, 37(4):1047–1084, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-4-1047.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-4-1047.pdf>.

labs.com/BSTJ/images/Vol137/bstj37-4-1047.pdf; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-1047.pdf>.

Meacham:1958:TRP

- [MPW58] L. A. Meacham, J. R. Power, and F. West. Tone ringing and pushbutton calling. *The Bell System Technical Journal*, 37(2):339–360, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-339.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-339.pdf>.

Morton:1950:DFB

- [MR50] J. A. Morton and R. M. Ryder. Design factors of the Bell Telephone Laboratories 1553 triode. *The Bell System Technical Journal*, 29(4):496–530, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-4-496.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-4-496.pdf>.

Merrill:1954:NIT

- [MRS54] J. L. Merrill, Jr., A. F. Rose, and J. O. Smethurst. Negative impedance telephone repeaters. *The Bell System Technical Journal*, 33(5):1055–1092, September 1954. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1055.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1055.pdf>.

Meszaros:1957:PFE

- [MS57] G. W. Meszaros and H. H. Spencer. Power feed equipment for the North Atlantic Link. *The Bell System Technical Journal*, 36(1):139–162, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-139.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-139.pdf>.

Meitzler:1958:PDC

- [MS58] A. H. Meitzler and H. L. Stadler. Piezoelectric and dielectric characteristics of single-crystal barium titanate plates. *The Bell System Technical Journal*, 37(3):719–738, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-719.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-719.pdf>.

Murphy:1958:CLI

- [Mur58] R. B. Murphy. A criterion to limit inspection effort in continuous sampling plans. *The Bell*

System Technical Journal, 37(1): 115–134, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-115.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-115.pdf>.

Malthaner:1952:EEC

- [MV52] W. A. Malthaner and H. Earle Vaughan. An experimental electronically controlled automatic switching system. *The Bell System Technical Journal*, 31(3):443–468, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-3-443.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-3-443.pdf>.

Mason:1952:NTM

- [MW52] Warren P. Mason and Samuel D. White. New techniques for measuring forces and wear in telephone switching apparatus. *The Bell System Technical Journal*, 31(3):469–503, May 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-3-469.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-3-469.pdf>.

Morgan:1956:HW

- [MY56] S. P. Morgan and J. A. Young. Helix waveguide. *The Bell System Technical Journal*, 35(6):1347–1384, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1347.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1347.pdf>.

Myers:1952:CCT

- [Mye52] Oscar Myers. Common control telephone switching systems. *The Bell System Technical Journal*, 31(6):1086–1120, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-6-1086.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-6-1086.pdf>.

Narud:1959:ADT

- [NA59] J. A. Narud and M. R. Aaron. Analysis and design of a transistor blocking oscillator including inherent nonlinearities. *The Bell System Technical Journal*, 38(3):785–852, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-3-785.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-3-785.pdf>.

Nesenbergs:1959:LSS

- [NM59] M. Nesenbergs and V. O. Mowery. Logic synthesis of some high-speed digital comparators. *The Bell System Technical Journal*, 38(1):19–44, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-19.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-19.pdf>.

Nunn:1952:NNP

- [Nun52] W. H. Nunn. Nationwide numbering plan. *The Bell System Technical Journal*, 31(5):851–859, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-851.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-851.pdf>.

Ohl:1952:PIB

- [Ohl52] Russell S. Ohl. Properties of ionic bombarded silicon. *The Bell System Technical Journal*, 31(1):104–121, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-1-104.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-1-104.pdf>.

Oliver:1952:EC

- [Oli52] B. M. Oliver. Efficient coding. *The Bell System Technical Journal*, 31(4):724–750, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-724.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-4-724.pdf>.

Olmstead:1958:RDS

- [Olm58] Paul S. Olmstead. Runs determined in a sample by an arbitrary cut. *The Bell System Technical Journal*, 37(1):55–82, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-1-55.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-1-55.pdf>.

Owen:1959:MCB

- [OW59] D. B. Owen and J. M. Wiesen. A method of computing bivariate normal probabilities: With an application to handling errors in testing and measuring. *The Bell System Technical Journal*, 38(2):553–572, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-553.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-553.pdf>.

Purvis:1959:OPF

- [PDH59] M. B. Purvis, G. V. Deverall, and D. R. Herriott. Optics and photography in the flying spot store. *The Bell System Technical Journal*, 38(2):403–424, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-403.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-2-403.pdf>.

Peek:1951:ITR

- [Pee51] R. L. Peek, Jr. Internal temperatures of relay windings. *The Bell System Technical Journal*, 30(1):141–148, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-141.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-141.pdf>.

Peek:1954:AMM

- [Pee54a] R. L. Peek, Jr. Analysis of measured magnetization and pull characteristics. *The Bell System Technical Journal*, 33(1):79–108, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-1-79.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-1-79.pdf>.

Peek:1954:ECO

- [Pee54b] R. L. Peek, Jr. Estimation and control of the operate time of relays: Part I — theory. *The Bell System Technical Journal*, 33(1):109–143, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-1-109.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-1-109.pdf>.

Peek:1954:PSR

- [Pee54c] R. L. Peek, Jr. Principles of slow release relay design. *The Bell System Technical Journal*, 33(1):187–217, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-1-187.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-1-187.pdf>.

Pennoyer:1958:ANI

- [Pen58] D. H. Pennoyer. Automatic number identification and its application to no. 1 crossbar, panel and step-by step offices. *The Bell System Technical Journal*, 37(5):1295–1318, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-5-1295.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol137-1958/articles/bstj37-5-1295.pdf.

Pferd:1954:GTD

- [Pfe54] W. Pferd. A governor for telephone dials — principles of design. *The Bell System Technical Journal*, 33(6):1267–1307, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1267.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1267.pdf>.

Pierce:1950:TWTa

- [Pie50a] J. R. Pierce. Traveling-wave tubes. *The Bell System Technical Journal*, 29(1):1–59, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-1-1.pdf>.

Pierce:1950:TWTd

- [Pie50b] J. R. Pierce. Traveling-wave tubes (fourth installment). *The Bell System Technical Journal*, 29(4):608–671, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-4-608.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-4-608.pdf>.

Pierce:1950:TWTb

- [Pie50c] J. R. Pierce. Traveling-wave tubes (second installment). *The Bell System Technical Journal*, 29(2):189–250, April 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-2-189.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-2-189.pdf>.

Pierce:1950:TWTc

- [Pie50d] J. R. Pierce. Traveling-wave tubes (third installment). *The Bell System Technical Journal*, 29(3):390–460, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-3-390.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-3-390.pdf>.

Pierce:1951:GSE

- [Pie51a] J. R. Pierce. A gun for starting electrons straight in a magnetic field. *The Bell System Technical Journal*, 30(4):825–829, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-825.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-825.pdf>.

Pierce:1951:WES

- [Pie51b] J. R. Pierce. Waves in electron streams and circuits. *The Bell System Technical Journal*, 30(3):626–651, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-626.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-626.pdf>.

Pierce:1954:WPM

- [Pie54] J. R. Pierce. The wave picture of microwave tubes. *The Bell System Technical Journal*, 33(6):1343–1372, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1343.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1343.pdf>.

Pilliod:1952:FPT

- [Pil52] J. J. Pilliod. Fundamental plans for toll telephone plant. *The Bell System Technical Journal*, 31(5):832–850, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-5-832.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-5-832.pdf>.

Pierce:1957:RRI

- [PK57] J. R. Pierce and J. E. Karlin. Reading rates and the information rate of a human channel. *The Bell System Technical Journal*, 36(2):497–516, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-497.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-497.pdf>.

Prim:1951:SRC

- [Pri51] R. C. Prim, III. Some results concerning the partial differential equations describing the flow of holes and electrons in semiconductors. *The Bell System Technical Journal*, 30(4):1174–1213, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1174.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1174.pdf>.

Prim:1953:DFD

- [Pri53] R. C. Prim. DC field distribution in a ‘swept intrinsic’ semiconductor configuration. *The Bell System Technical Journal*, 32(3):665–694, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-665.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol132-1953/articles/bstj32-3-665.pdf.

Pierce:1956:GWD

- [Pri56] M. B. Prince. Diffused p-n junction silicon rectifiers. *The Bell System Technical Journal*, 35(3):661-684, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-661.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-661.pdf>.

Prince:1956:DPJ

- [PW56] J. R. Pierce and L. R. Walker. Growing waves due to transverse velocities. *The Bell System Technical Journal*, 35(1):109-125, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-109.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-109.pdf>.

Prim:1957:SCN

- [Pri57] R. C. Prim. Shortest connection networks and some generalizations. *The Bell System Technical Journal*, 36(6):1389-1401, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1389.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1389.pdf>.

- [Qui54] A. L. Quinlan. Automatic contact welding in wire spring relay manufacture. *The Bell System Technical Journal*, 33(4):897-923, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-897.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-897.pdf>.

Quinlan:1954:ACW

Peek:1954:MDR

- [PW54] R. L. Peek, Jr. and H. N. Wagar. Magnetic design of relays. *The Bell System Technical Journal*, 33(1):23-78, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-23.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-23.pdf>.

Rafuse:1954:NMR

- [Raf54] I. S. Rafuse. A new multicontact relay for telephone switching systems. *The Bell System Technical Journal*, 33(5):1111-1132, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-5-1111.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-5-1111.pdf>.

Raisbeck:1958:ACL

- [Rai58] Gordon Raisbeck. Attenuation in continuously loaded coaxial cables. *The Bell System Technical Journal*, 37(2):361–374, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-361.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-361.pdf>.

Raisbeck:1959:NLT

- [Rai59] Gordon Raisbeck. Nonuniformities in laminated transmission lines. *The Bell System Technical Journal*, 38(2):477–516, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-477.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-477.pdf>.

Rausch:1959:AVC

- [Rau59] R. G. Rausch. The analysis of valve-controlled hydraulic servomechanisms. *The Bell System Technical Journal*, 38(6):1513–1549, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1513.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1513.pdf>.

Read:1956:TSI

- [Rea56] W. T. Read, Jr. Theory of the swept intrinsic structure. *The Bell System Technical Journal*, 35(6):1239–1284, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-6-1239.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-6-1239.pdf>.

Read:1958:PHF

- [Rea58] W. T. Read, Jr. A proposed high-frequency, negative-resistance diode. *The Bell System Technical Journal*, 37(2):401–446, March 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-2-401.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-2-401.pdf>.

Reed:1953:CRR

- [Ree53] E. D. Reed. A coupled resonator reflex klystron. *The Bell System Technical Journal*, 32(3):715–766, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-715.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-715.pdf>.

Reed:1955:TLV

- [Ree55] E. D. Reed. A tunable, low-voltage reflex klystron for operation in the 50 to 60-kmc band. *The Bell System Technical Journal*, 34(3):563–599, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-3-563.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-3-563.pdf>.

Reiss:1956:CIA

- [RFM56] Howard Reiss, C. S. Fuller, and F. J. Morin. Chemical interactions among defects in germanium and silicon. *The Bell System Technical Journal*, 35(3):535–636, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-3-535.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-3-535.pdf>.

Rieke:1953:LCS

- [RG53] John W. Rieke and R. S. Graham. The L3 coaxial system: Television terminals. *The Bell System Technical Journal*, 32(4):915–942, July 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-4-915.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-4-915.pdf>.

Rice:1950:CPN

- [Ric50a] S. O. Rice. Communication in the presence of noise — probability of error for two encoding schemes. *The Bell System Technical Journal*, 29(1):60–93, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-1-60.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-1-60.pdf>.

Richardson:1950:LTF

- [Ric50b] J. M. Richardson. The linear theory of fluctuations arising from diffusional mechanisms — an attempt at a theory of contact noise. *The Bell System Technical Journal*, 29(1):117–141, January 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol29/bstj29-1-117.pdf>; <http://www.alcatel-lucent.com/bstj/vol29-1950/articles/bstj29-1-117.pdf>.

Rice:1954:DPR

- [Ric54] S. O. Rice. Diffraction of plane radio waves by a parabolic cylinder. *The Bell System Technical Journal*, 33(2):417–504, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-2-417.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-2-417.pdf>.

Rice:1957:DPN

- [Ric57] S. O. Rice. Distortion produced in a noise modulated FM signal by nonlinear attenuation and phase shift. *The Bell System Technical Journal*, 36(4):879–889, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-4-879.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-4-879.pdf>.

Rice:1958:DDF

- [Ric58] S. O. Rice. Distribution of the duration of fades in radio transmission: Gaussian noise model. *The Bell System Technical Journal*, 37(3):581–635, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-581.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-581.pdf>.

Rice:1959:RTB

- [Ric59] L. P. Rice. Radio transmission into buildings at 35 and 150 mc. *The Bell System Technical Journal*, 38(1):197–210, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-197.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-197.pdf>.

Rigrod:1957:NSEb

- [Rig57a] W. W. Rigrod. Noise spectrum of electron beam in longitudinal magnetic field: Part II — the UHF noise spectrum. *The Bell System Technical Journal*, 36(4):855–878, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-4-855.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-4-855.pdf>.

Rigrod:1957:NSEa

- [Rig57b] W. W. Rigrod. Noise spectrum of electron beam in longitudinal magnetic field: Part I — the growing noise phenomenon. *The Bell System Technical Journal*, 36(4):831–853, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-4-831.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-4-831.pdf>.

Rigrod:1959:SCWb

- [Rig59] W. W. Rigrod. Space-charge wave harmonics and noise propagation in rotating electron beams. *The Bell System Technical Journal*, 38(1):119–139, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-119.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-119.pdf>.

www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-119.pdf.

Riordan:1951:TTT

- [Rio51] John Riordan. Telephone traffic time average. *The Bell System Technical Journal*, 30(4):1129–1144, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1129.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-1129.pdf>.

Riordan:1953:ADC

- [Rio53a] John Riordan. Addendum to Delay curves for calls served at random. *The Bell System Technical Journal*, 32(5):1266, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-5-1266.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-5-1266.pdf>.

Riordan:1953:DCC

- [Rio53b] John Riordan. Delay curves for calls served at random. *The Bell System Technical Journal*, 32(1):100–119, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-1-100.pdf>; <http://www.alcatel-lucent.com/bstj/>

[vol32-1953/articles/bstj32-1-100.pdf](http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-1-100.pdf).

Rigrod:1954:WPA

- [RL54] W. W. Rigrod and J. A. Lewis. Wave propagation along a magnetically-focused cylindrical electron beam. *The Bell System Technical Journal*, 33(2):399–416, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-2-399.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-2-399.pdf>.

Rounds:1955:ECL

- [RL55] P. W. Rounds and Miss G. L. Lakin. Equalization of cables for local television transmission. *The Bell System Technical Journal*, 34(4):713–738, July 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol34/bstj34-4-713.pdf>; <http://www.alcatel-lucent.com/bstj/vol34-1955/articles/bstj34-4-713.pdf>.

Raisbeck:1958:TCT

- [RM58] G. Raisbeck and J. M. Manley. Transmission characteristics of a three-conductor coaxial transmission line with transpositions. *The Bell System Technical Journal*, 37(4):835–876, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-4-835.pdf>.

labs.com/BSTJ/images/Vol37/bstj37-4-835.pdf; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-4-835.pdf>.

Robb:1956:ATT

- [Rob56] D. T. Robb. Automatic testing in telephone manufacture. *The Bell System Technical Journal*, 35(5):1129–1154, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-5-1129.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-5-1129.pdf>.

Roberts:1958:PCC

- [Rob58] S. W. Roberts. Properties of control chart zone tests. *The Bell System Technical Journal*, 37(1):83–114, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-1-83.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-1-83.pdf>.

Rose:1958:RMH

- [Ros58] C. F. P. Rose. Research models of helix waveguides. *The Bell System Technical Journal*, 37(3):679–688, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-679.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-679.pdf>.

www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-3-679.pdf.

Rowen:1953:FMA

- [Row53] J. H. Rowen. Ferrites in microwave applications. *The Bell System Technical Journal*, 32(6):1333–1369, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-6-1333.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1333.pdf>.

Rowe:1958:TLC

- [Row58] H. E. Rowe. Timing in a long chain of regenerative binary repeaters. *The Bell System Technical Journal*, 37(6):1543–1598, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-6-1543.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-6-1543.pdf>.

Rigrod:1959:SCWa

- [RP59] W. W. Rigrod and J. R. Pierce. Space-charge wave excitation in solid-cylindrical Brillouin beams. *The Bell System Technical Journal*, 38(1):99–118, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-99.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-99.pdf>.

lucent.com/bstj/vol138-1959/
articles/bstj38-1-99.pdf.

Roetken:1951:TMR

- [RSF51] A. A. Roetken, K. D. Smith, and R. W. Friis. The TD-2 microwave radio relay system. *The Bell System Technical Journal*, 30(4):1041–1077, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1041.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-99.pdf>.

Ruthroff:1958:AMS

- [Rut58] C. L. Ruthroff. Amplitude modulation suppression in FM systems. *The Bell System Technical Journal*, 37(4):1023–1046, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-4-1023.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-1023.pdf>.

Seidel:1958:FSC

- [SB58] H. Seidel and H. Boyet. Frequency shifts in cavities with longitudinally magnetized small ferrite discs. *The Bell System Technical Journal*, 37(3):637–655, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-3-637.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-637.pdf>.

www.alcatel-lucent.com/bstj/
vol137-1958/articles/bstj37-3-
637.pdf.

Smith:1959:FPS

- [SB59] J. L. Smith and W. S. Boyle. Fundamental processes of the short arc: With applications to contact erosion and percussion welding. *The Bell System Technical Journal*, 38(2):537–552, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-2-537.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-537.pdf>.

Schneckloth:1951:SBC

- [Sch51] H. H. Schneckloth. Some basic concepts of translators and identifiers used in telephone switching systems. *The Bell System Technical Journal*, 30(3):588–625, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-588.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-588.pdf>.

Schelkunoff:1952:GTE

- [Sch52] S. A. Schelkunoff. Generalized telegraphist's equations for waveguides. *The Bell System Technical Journal*, 31(4):784–801, July 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-4-784.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-784.pdf>.

labs.com/BSTJ/images/Vol131/bstj31-4-784.pdf; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-4-784.pdf>.

Schelkunoff:1955:CME

- [Sch55] S. A. Schelkunoff. Conversion of Maxwell's equations into generalized telegraphist's equations. *The Bell System Technical Journal*, 34(5):995–1043, September 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-5-995.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-5-995.pdf>.

Schaefer:1957:EOH

- [Sch57] J. W. Schaefer. An electrically operated hydraulic control valve. *The Bell System Technical Journal*, 36(3):711–736, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-711.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-711.pdf>.

Schulz-DuBois:1959:PSS

- [SD59] E. O. Schulz-DuBois. Paramagnetic spectra of substituted sapphires—Part I: Ruby. *The Bell System Technical Journal*, 38(1):271–290, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-1-271.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-1-271.pdf>.

Schulz-DuBois:1959:UAM

- [SDSD59] E. O. Schulz-DuBois, H. E. D. Scovil, and R. W. DeGrasse. Use of active material in three-level solid state masers. *The Bell System Technical Journal*, 38(2):335–352, March 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-2-335.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-2-335.pdf>.

Seidel:1957:CWM

- [Sei57] H. Seidel. The character of waveguide modes in gyromagnetic media. *The Bell System Technical Journal*, 36(2):409–426, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-409.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-409.pdf>.

Semon:1958:SSP

- [Sem58] Warren Semon. Synthesis of series-parallel network switching functions. *The Bell System Technical Journal*, 37(4):877–898, July 1958. CODEN BSTJAN. ISSN

0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-877.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-877.pdf>.

Seidel:1959:GMW

- [SF59] H. Seidel and R. C. Fletcher. Gyromagnetic modes in waveguide partially loaded with ferrite. *The Bell System Technical Journal*, 38(6):1427–1456, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1427.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1427.pdf>.

Sobel:1959:GTE

- [SG59] Milton Sobel and Phyllis A. Groll. Group testing to eliminate efficiently all defectives in a binomial sample. *The Bell System Technical Journal*, 38(5):1179–1252, September 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-5-1179.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-5-1179.pdf>.

Sobel:1957:SBO

- [SH57] Milton Sobel and Marilyn J. Huyett. Selecting the best one of several binomial populations. *The Bell System Technical Jour-*

nal, 36(2):537–576, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-537.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-537.pdf>.

Sobel:1958:NDR

- [SH58] Milton Sobel and Marilyn J. Huyett. Nonparametric definition of the representativeness of a sample — with tables. *The Bell System Technical Journal*, 37(1):135–161, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-135.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-135.pdf>.

Shannon:1950:MRT

- [Sha50] Claude E. Shannon. Memory requirements in a telephone exchange. *The Bell System Technical Journal*, 29(3):343–349, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-3-343.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-3-343.pdf>.

Shannon:1951:PEP

- [Sha51a] C. E. Shannon. Prediction and entropy of printed English. *The*

Bell System Technical Journal, 30(1):50–64, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-50.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-50.pdf>.

Shaw:1951:EILa

- [Sha51b] Thomas Shaw. The evolution of inductive loading for Bell System telephone facilities. *The Bell System Technical Journal*, 30(1):149–204, January 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-1-149.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-1-149.pdf>.

Shaw:1951:EILc

- [Sha51c] Thomas Shaw. The evolution of inductive loading for Bell System telephone facilities. *The Bell System Technical Journal*, 30(3):721–764, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-3-721.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-3-721.pdf>.

Shaw:1951:EILd

- [Sha51d] Thomas Shaw. The evolution of inductive loading for Bell Sys-

tem telephone facilities. *The Bell System Technical Journal*, 30(4):1221–1243, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-1221.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-1221.pdf>.

Shaw:1951:EILb

- [Sha51e] Thomas Shaw. The evolution of inductive loading for Bell System telephone facilities Part III: Loading for exchange area cables. *The Bell System Technical Journal*, 30(2):447–472, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-2-447.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-2-447.pdf>.

Sharpless:1956:WTM

- [Sha56] W. M. Sharpless. Wafer-type millimeter wave rectifiers. *The Bell System Technical Journal*, 35(6):1385–1402, November 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-6-1385.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-6-1385.pdf>.

Shannon:1959:PEO

- [Sha59a] Claude E. Shannon. Probability of error for optimal codes in a Gaussian channel. *The Bell System Technical Journal*, 38(3):611–656, May 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-3-611.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-3-611.pdf>.

Sharpless:1959:HFG

- [Sha59b] W. M. Sharpless. High-frequency gallium arsenide point-contact rectifiers. *The Bell System Technical Journal*, 38(1):259–269, January 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol38/bstj38-1-259.pdf>; <http://www.alcatel-lucent.com/bstj/vol38-1959/articles/bstj38-1-259.pdf>.

Shewhart:1958:NOS

- [She58] W. A. Shewhart. Nature and origin of standards of quality. *The Bell System Technical Journal*, 37(1):1–22, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-1-1.pdf>.

Shipley:1952:ATS

- [Shi52] F. F. Shipley. Automatic toll switching systems. *The Bell System Technical Journal*, 31(5):860–882, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-5-860.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-5-860.pdf>.

Shockley:1951:HEG

- [Sho51] W. Shockley. Hot electrons in germanium and Ohm’s Law. *The Bell System Technical Journal*, 30(4):990–1034, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol30/bstj30-4-990.pdf>; <http://www.alcatel-lucent.com/bstj/vol30-1951/articles/bstj30-4-990.pdf>.

Shockley:1954:NRA

- [Sho54] W. Shockley. Negative resistance arising from transit time in semiconductor diodes. *The Bell System Technical Journal*, 33(4):799–826, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-4-799.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-4-799.pdf>.

Slepian:1956:CBS

- [Sle56] David Slepian. A class of binary signaling alphabets. *The Bell System Technical Journal*, 35(1):203–234, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-203.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-203.pdf>.

Slepian:1958:FRN

- [Sle58] D. Slepian. Fluctuations of random noise power. *The Bell System Technical Journal*, 37(1):163–184, January 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-1-163.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-1-163.pdf>.

Smith:1957:ICQ

- [Smi57] Bernard Smith. Instantaneous companding of quantized signals. *The Bell System Technical Journal*, 36(3):653–709, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-653.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-653.pdf>.

Smits:1958:MSR

- [Smi58] F. M. Smits. Measurement of sheet resistivities with the four-point probe. *The Bell System Technical Journal*, 37(3):711–718, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-711.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-711.pdf>.

Snoke:1957:ROM

- [Sno57] Lloyd R. Snoke. Resistance of organic materials and cable structures to marine biological attack. *The Bell System Technical Journal*, 36(5):1095–1127, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1095.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1095.pdf>.

Sobel:1956:STR

- [Sob56] Milton Sobel. Statistical techniques for reducing the experiment time in reliability studies. *The Bell System Technical Journal*, 35(1):179–202, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-179.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-179.pdf>.

Southworth:1950:PAW

- [Sou50] George C. Southworth. Principles and applications of waveguide transmission. *The Bell System Technical Journal*, 29(3):295–342, July 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-3-295.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-3-295.pdf>.

Staehler:1952:ABA

- [Sta52] Robert E. Staehler. An application of Boolean algebra to switching circuit design. *The Bell System Technical Journal*, 31(2):280–305, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-2-280.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-2-280.pdf>.

Stone:1953:FCI

- [Sto53] H. A. Stone, Jr. Ferrite core inductors. *The Bell System Technical Journal*, 32(2):265–291, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-265.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-2-265.pdf>.

Stubner:1953:AEE

- [Stu53] F. W. Stubner. Acceleration effects on electron tubes. *The Bell System Technical Journal*, 32(5):1203–1229, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-5-1203.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-5-1203.pdf>.

Suhl:1953:TME

- [Suh53] Harry Suhl. Theory of magnetic effects on the noise in a germanium filament. *The Bell System Technical Journal*, 32(3):647–664, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-647.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-647.pdf>.

Sumner:1952:RAR

- [Sum52] Eric Eden Sumner. Relay armature rebound analysis. *The Bell System Technical Journal*, 31(1):172–200, January 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-1-172.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-1-172.pdf>.

Sumner:1954:SFP

- [Sum54] Eric Eden Sumner. Some fundamental problems in percussive welding. *The Bell System Technical Journal*, 33(4):885–895, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-885.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-885.pdf>.

Sunde:1954:TFPa

- [Sun54a] E. D. Sunde. Theoretical fundamentals of pulse transmission — I. *The Bell System Technical Journal*, 33(3):721–788, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-3-721.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-721.pdf>.

Sunde:1954:TFPb

- [Sun54b] E. D. Sunde. Theoretical fundamentals of pulse transmission — II. *The Bell System Technical Journal*, 33(4):987–1010, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-4-987.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-4-987.pdf>.

Sunde:1957:STR

- [Sun57] E. D. Sunde. Self-timing regenerative repeaters. *The Bell System Technical Journal*, 36(4):891–937, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-4-891.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-891.pdf>.

Sunde:1959:IBP

- [Sun59] E. D. Sunde. Ideal binary pulse transmission by AM and FM. *The Bell System Technical Journal*, 38(6):1357–1426, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1357.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1357.pdf>.

Suhl:1954:TGWa

- [SW54a] H. Suhl and L. R. Walker. Topics in guided-wave propagation through gyromagnetic media: Part I — the completely filled cylindrical guide. *The Bell System Technical Journal*, 33(3):579–659, May 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-3-579.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-3-579.pdf>.

Suhl:1954:TGWb

- [SW54b] H. Suhl and L. R. Walker. Topics in guided wave propagation through gyromagnetic media: Part II — transverse magnetization and the non-reciprocal helix. *The Bell System Technical Journal*, 33(4):939–986, July 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-4-939.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-4-939.pdf>.

Suhl:1954:TGWc

- [SW54c] H. Suhl and L. R. Walker. Topics in guided wave propagation through gyromagnetic media: Part III — perturbation theory and miscellaneous results. *The Bell System Technical Journal*, 33(5):1133–1194, September 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol33/bstj33-5-1133.pdf>; <http://www.alcatel-lucent.com/bstj/vol33-1954/articles/bstj33-5-1133.pdf>.

Seckler:1958:FDS

- [SY58] Howard N. Seckler and John J. Yostpille. Functional design of a stored-program electronic switching system. *The Bell System Technical Journal*, 37(6):1327–1382, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol37/bstj37-6-1327.pdf>; <http://www.alcatel-lucent.com/bstj/vol37-1958/articles/bstj37-6-1327.pdf>.

Townsend:1953:CCT

- [TD53] M. A. Townsend and W. A. Depp. Cold cathode tubes for transmission of audio frequency signals. *The Bell System Technical Journal*, 32(6):1371–1391, November 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol32/bstj32-6-1371.pdf>; <http://www.alcatel-lucent.com/bstj/vol32-1953/articles/bstj32-6-1371.pdf>.

Tendick:1956:TPR

- [Ten56] F. H. Tendick, Jr. Transistor pulse regenerative amplifiers. *The Bell System Technical Journal*, 35(5):1085–1114, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol35/bstj35-5-1085.pdf>; <http://www.alcatel-lucent.com/bstj/vol35-1956/articles/bstj35-5-1085.pdf>.

Thomas:1956:TPS

- [Tho56] D. E. Thomas. Tables of phase of a semi-infinite unit attenuation slope. *The Bell System Technical Journal*, 35(3):747–749, May 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (elec-

tronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-3-747.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-3-747.pdf>.

Thomas:1959:SDC

- [Tho59] D. E. Thomas. Some design considerations for high-frequency transistor amplifiers. *The Bell System Technical Journal*, 38(6): 1551–1580, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1551.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1551.pdf>.

Tien:1956:LST

- [Tie56] Ping King Tien. A large signal theory of traveling wave amplifiers: Including the effects of space charge and finite coupling between the beam and the circuit. *The Bell System Technical Journal*, 35(2):349–374, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-349.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-349.pdf>.

Thomas:1957:PFS

- [TK57] J. F. P. Thomas and R. Kelly. Power-feed system for the Newfoundland-**1** Nova Scotia link. *The Bell* [TT56]

System Technical Journal, 36(1): 277–292, January 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-1-277.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-1-277.pdf>.

Townsend:1957:CCG

- [Tow57] M. A. Townsend. Cold cathode gas tubes for telephone switching systems. *The Bell System Technical Journal*, 36(3):755–768, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-755.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-755.pdf>.

Truitt:1954:TET

- [Tru54] C. J. Truitt. Traffic engineering techniques for determining trunk requirements in alternate routing trunk networks. *The Bell System Technical Journal*, 33(2):277–302, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-2-277.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-2-277.pdf>.

Tanenbaum:1956:DEB

- M. Tanenbaum and D. E. Thomas.

Diffused emitter and base silicon transistors. *The Bell System Technical Journal*, 35(1):1–22, January 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-1-1.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-1-1.pdf>.

Uhlir:1955:PIS

- [Uhl55] Arthur Uhlir, Jr. The potentials of infinite systems of sources and numerical solutions of problems in semi-conductor engineering. *The Bell System Technical Journal*, 34(1):105–128, January 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-1-105.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-1-105.pdf>.

Uhlir:1956:ESG

- [Uhl56] A. Uhlir, Jr. Electrolytic shaping of germanium and silicon. *The Bell System Technical Journal*, 35(2):333–347, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-333.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-333.pdf>.

Uhlir:1958:SNP

- [Uhl58] A. Uhlir, Jr. Shot noise in

p–n junction frequency converters. *The Bell System Technical Journal*, 37(4):951–988, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-951.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-951.pdf>.

Ulrich:1957:NBE

- [Ulr57] Werner Ulrich. Non-binary error correction codes. *The Bell System Technical Journal*, 36(6):1341–1388, November 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-6-1341.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-6-1341.pdf>.

Unger:1957:CEWa

- [Ung57a] H. G. Unger. Circular electric wave transmission in a dielectric-coated waveguide. *The Bell System Technical Journal*, 36(5):1253–1278, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1253.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1253.pdf>.

Unger:1957:CEWb

- [Ung57b] H. G. Unger. Circular electric wave

transmission through serpentine bends. *The Bell System Technical Journal*, 36(5):1279–1291, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1279.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1279.pdf>.

Unger:1957:NMB

- [Ung57c] H. G. Unger. Normal mode bends for circular electric waves. *The Bell System Technical Journal*, 36(5):1292–1307, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-5-1292.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-5-1292.pdf>.

Unger:1958:CWT

- [Ung58a] Hans-Georg Unger. Circular waveguide taper of improved design. *The Bell System Technical Journal*, 37(4):899–912, July 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-4-899.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-4-899.pdf>.

Unger:1958:HWT

- [Ung58b] Hans-Georg Unger. Helix waveguide theory and application. *The*

Bell System Technical Journal, 37(6):1599–1647, November 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-6-1599.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-6-1599.pdf>.

Vaage:1953:TPL

- [Vaa53] E. F. Vaage. Transmission properties of laminated clogston type conductors. *The Bell System Technical Journal*, 32(3):695–713, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-695.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-695.pdf>.

VanRoosbroeck:1950:TFE

- [Van50] W. Van Roosbroeck. Theory of the flow of electrons and holes in germanium and other semiconductors. *The Bell System Technical Journal*, 29(4):560–607, October 1950. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol129/bstj29-4-560.pdf>; <http://www.alcatel-lucent.com/bstj/vol129-1950/articles/bstj29-4-560.pdf>.

VanHorn:1953:SWC

- [Van53] R. H. Van Horn. Solderless wrapped connections: Part III

— evaluation and performance tests. *The Bell System Technical Journal*, 32(3):591–610, May 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-3-591.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-3-591.pdf>.

Vaughan:1959:RMT

- [Vau59] H. E. Vaughan. Research model for time-separation integrated communication. *The Bell System Technical Journal*, 38(4):909–932, July 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-4-909.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-4-909.pdf>.

Veloric:1957:HVC

- [VP57] H. S. Veloric and M. B. Prince. High-voltage conductivity-modulated silicon rectifier. *The Bell System Technical Journal*, 36(4):975–1004, July 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-4-975.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-4-975.pdf>.

VonAulock:1957:MDM

- [VR57] Wilhelm Von Aulock and John H.

Rowen. Measurement of dielectric and magnetic properties of ferromagnetic materials at microwave frequencies. *The Bell System Technical Journal*, 36(2):427–448, March 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-2-427.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-2-427.pdf>.

Wagar:1954:ETR

- [Wag54a] H. N. Wagar. Economics of telephone relay applications. *The Bell System Technical Journal*, 33(1):218–256, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-218.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-218.pdf>.

Wagar:1954:RME

- [Wag54b] H. N. Wagar. Relay measuring equipment. *The Bell System Technical Journal*, 33(1):3–22, January 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-1-3.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-1-3.pdf>.

Wallace:1951:RMR

- [Wal51] R. L. Wallace, Jr. The reproduc-

tion of magnetically recorded signals. *The Bell System Technical Journal*, 30(4):1145–1173, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-1145.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-1145.pdf>.

Wannier:1953:MGI

- [Wan53] Gregory H. Wannier. Motion of gaseous ions in strong electric fields. *The Bell System Technical Journal*, 32(1):170–254, January 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-1-170.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-1-170.pdf>.

Warters:1958:EMF

- [War58] W. D. Warters. The effects of mode filters on the transmission characteristics of circular electric waves in a circular waveguide. *The Bell System Technical Journal*, 37(3):657–677, May 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-3-657.pdf>; <http://www.alcatel-lucent.com/bstj/vol137-1958/articles/bstj37-3-657.pdf>.

Weissmann:1957:SRR

- [Wei57] G. F. Weissmann. Strength requirements for round conduit. *The Bell System Technical Journal*, 36(3):737–754, May 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol136/bstj36-3-737.pdf>; <http://www.alcatel-lucent.com/bstj/vol136-1957/articles/bstj36-3-737.pdf>.

Welber:1955:PST

- [WEP55] I. Welber, H. W. Evans, and G. A. Pullis. Protection of service in the TD-2 radio relay system by automatic channel switching. *The Bell System Technical Journal*, 34(3):473–510, May 1955. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol134/bstj34-3-473.pdf>; <http://www.alcatel-lucent.com/bstj/vol134-1955/articles/bstj34-3-473.pdf>.

Wilhelm:1952:IBM

- [Wil52] H. T. Wilhelm. Impedance bridges for the megacycle range. *The Bell System Technical Journal*, 31(5):999–1012, September 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol131/bstj31-5-999.pdf>; <http://www.alcatel-lucent.com/bstj/vol131-1952/articles/bstj31-5-999.pdf>.

Wilkinson:1953:WCD

- [Wil53] Roger I. Wilkinson. Working curves for delayed exponential calls served in random order. *The Bell System Technical Journal*, 32(2):360–383, March 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-2-360.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-2-360.pdf>.

Wilkinson:1956:TTT

- [Wil56] Roger I. Wilkinson. Theories for toll traffic engineering in the U.S.A. *The Bell System Technical Journal*, 35(2):421–514, March 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-2-421.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-2-421.pdf>.

Windeler:1953:PIT

- [Win53] A. S. Windeler. Polyethylene insulated telephone cable. *The Bell System Technical Journal*, 32(5):1245–1256, September 1953. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol132/bstj32-5-1245.pdf>; <http://www.alcatel-lucent.com/bstj/vol132-1953/articles/bstj32-5-1245.pdf>.

Weissmann:1959:ETP

- [WM59] G. F. Weissmann and Duncan M. Mitchel. Effects of tamping and pavement breaking on round conduit. *The Bell System Technical Journal*, 38(6):1581–1594, November 1959. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol138/bstj38-6-1581.pdf>; <http://www.alcatel-lucent.com/bstj/vol138-1959/articles/bstj38-6-1581.pdf>.

Weaver:1954:BSF

- [WN54] A. Weaver and N. A. Newell. In-band single-frequency signaling. *The Bell System Technical Journal*, 33(6):1309–1330, November 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-6-1309.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-6-1309.pdf>.

Wojciechowski:1954:CIT

- [Woj54] B. M. Wojciechowski. Continuous incremental thickness measurements of non-conductive cable sheath. *The Bell System Technical Journal*, 33(2):353–368, March 1954. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol133/bstj33-2-353.pdf>; <http://www.alcatel-lucent.com/bstj/vol133-1954/articles/bstj33-2-353.pdf>.

Wood:1951:DFC

- [Woo51] Elizabeth A. Wood. Detwinning ferroelectric crystals. *The Bell System Technical Journal*, 30(4):945–955, October 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-4-945.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-4-945.pdf>.

Wallace:1951:SCP

- [WP51] R. L. Wallace, Jr. and W. J. Pietenpol. Some circuit properties and applications of n-p-n transistors. *The Bell System Technical Journal*, 30(3):530–563, July 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-3-530.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-3-530.pdf>.

Wallace:1951:DGT

- [WR51] R. L. Wallace, Jr. and G. Raisbeck. Duality as a guide in transistor circuit design. *The Bell System Technical Journal*, 30(2):381–417, April 1951. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol130/bstj30-2-381.pdf>; <http://www.alcatel-lucent.com/bstj/vol130-1951/articles/bstj30-2-381.pdf>.

Wrathall:1956:TBP

- [Wra56] L. R. Wrathall. Transistorized binary pulse regenerator. *The Bell System Technical Journal*, 35(5):1059–1084, September 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-5-1059.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-5-1059.pdf>.

Weisbaum:1956:FDI

- [WS56] S. Weisbaum and H. Seidel. The field displacement isolator. *The Bell System Technical Journal*, 35(4):877–898, July 1956. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol135/bstj35-4-877.pdf>; <http://www.alcatel-lucent.com/bstj/vol135-1956/articles/bstj35-4-877.pdf>.

Yokelson:1958:SCD

- [YCU58] B. J. Yokelson, W. B. Cagle, and M. D. Underwood. Semiconductor circuit design philosophy for the central control of an electronic switching system. *The Bell System Technical Journal*, 37(5):1125–1160, September 1958. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol137/bstj37-5-1125.pdf>; <http://www.alcatel-lucent.com/bstj/>

vol137-1958/articles/bstj37-5-1125.pdf.

Young:1952:CMR

- [You52] W. Rae Young, Jr. Comparison of mobile radio transmission at 150, 450, 900, and 3700 Mc. *The Bell System Technical Journal*, 31(6):1068–1085, November 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-6-1068.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-6-1068.pdf>.

Zajac:1957:DKL

- [Zaj57] E. E. Zajac. Dynamics and kinematics of the laying and recovery of submarine cable. *The Bell System Technical Journal*, 36(5):1129–1207, September 1957. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol36/bstj36-5-1129.pdf>; <http://www.alcatel-lucent.com/bstj/vol36-1957/articles/bstj36-5-1129.pdf>.

Zinn:1952:NRT

- [Zin52] M. K. Zinn. Network representation of transcendental impedance functions. *The Bell System Technical Journal*, 31(2):378–404, March 1952. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL <http://bstj.bell-labs.com/BSTJ/images/Vol31/bstj31-2-378.pdf>; <http://www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-2-378.pdf>.

www.alcatel-lucent.com/bstj/vol31-1952/articles/bstj31-2-378.pdf.