

RCA TECHNICAL PAPERS

(1951-1955)

INDEX

Volume III

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RCA TECHNICAL PAPERS

(1951-1955)

INDEX

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Volume III

This index, together with Volume I (1919-1945) and Volume II (1946-1950), lists substantially all published English-language technical papers on subjects in the radio, electronics and related fields, the authors of which were associated with Radio Corporation of America (including its various divisions and subsidiary companies) at the time of the paper's preparation or at the time the work described in the paper was performed.

This volume covers the period 1951-1955. It includes all listings contained in subvolumes III(a), (b), (c) and (d), and supersedes these subvolumes.

The chronological index is followed by a section arranged alphabetically by authors and a subject classification section.

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The Manager, RCA Review

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ABBREVIATIONS

*(Note—Titles of periodicals not listed below,
as well as book titles, are not abbreviated.)*

Audio Eng.—Audio Engineering

Elec. Eng.—Electrical Engineering

FM and Tele.—FM and Television

Inter. Project.—International Projectionist

Jour. Acous. Soc. Amer.—Journal of the Acoustical Society of America

Jour. Amer. Cer. Soc.—Journal of the American Ceramic Society

Jour. Amer. Chem. Soc.—Journal of the American Chemical Society

Jour. Appl. Phys.—Journal of Applied Physics

Jour. Chem. Phys.—Journal of Chemical Physics

Jour. Electrochem. Soc.—Journal of the Electrochemical Society

Jour. Frank. Inst.—Journal of the Franklin Institute

Jour. Opt. Soc. Amer.—Journal of the Optical Society of America

*Jour. S.M.P.T.E.—Journal of the Society of Motion Picture & Television
Engineers*

Proc. I.R.E.—Proceedings of the Institute of Radio Engineers

Prod. Eng.—Product Engineering

Phys. Rev.—Physical Review

Rad. and Tele. News—Radio and Television News

RCA Rad. Serv. News—RCA Radio Service News

RCA Rad. and Tele. Serv. News—RCA Radio and Television Service News

Rev. Sci. Instr.—Review of Scientific Instruments

Telegr. and Teleph. Age—Telegraph and Telephone Age

TV Eng.—Television Engineering

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2822	"Video Relay Switching — Part III," C. R. Monro, <i>TV Eng.</i> (February)	1951

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2830	"Cathodoluminescence of Zinc Orthosilicate with Manganese Activator," S. Larach and R. E. Shrader, <i>Jour. Appl. Phys.</i> (March) (Letter to the Editor)	1951
2831	"Dark Adaptation," Albert Rose, <i>Jour. Opt. Soc. Amer.</i> (March) (Letter to the Editor)	1951
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2843	"On the Sharpening of Microtome Knives for Ultra-Thin Sectioning," J. Hillier, <i>Rev. Sci. Instr.</i> (March)	1951
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2851	"A Versatile Video Special Effects System," E. M. Gore, <i>Broadcast News</i> (March-April)	1951

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2852	"Application of Transformer RCA-225T1 in Deflection System for Wide-Angle Large-Screen Kinescopes," <i>RCA Application Note AN-149</i> , RCA Tube Department, Harrison, N. J. (March 1)	1951
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2857	"Horizontal Pulling, Part 2," J. R. Meagher, <i>Rad. and Tele. News</i> (April)	1951
2858	"Material-Saving Picture Tube," L. E. Swedlund and R. Saunders, Jr., <i>Electronics</i> (April)	1951
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2861	"A Note on 'Network Representation of Input and Output Admittances of Amplifiers'," F. W. Smith, <i>Proc. I.R.E.</i> (April) (Letter to the Editor)	1951
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2999	"Code Transmission and Reception," J. B. Moore and D. S. Rau, Section of <i>Radio Engineering Handbook</i> , Keith Henny, McGraw-Hill Book Company, Inc., New York, N. Y., 4th Edition	1951
3000	<i>Dunlap's Radio and Television Almanac</i> , Orrin E. Dunlap, Jr., Harper and Brothers, New York	1951
3001	"Electron Microscopy and Small-Angle X-Ray Scattering," J. Hillier (Coauthor), <i>Faraday Society Discussion</i>	1951
3002	"Particle-Size Distribution of Tungsten and Molybdenum Pow-ders," A. D. Power and I. M. Kakascik, Section of <i>The Physics of Powder Metallurgy</i> , McGraw-Hill Book Company, Inc., New York, N. Y.	1951
3003	"Radio Broadcasting," Carl G. Dietsch, Section of <i>Radio Engi-neering Handbook</i> , Keith Henny, McGraw-Hill Book Com-pany, Inc., New York, N. Y., 4th Edition	1951
3004	"Television," V. K. Zworykin, Section of <i>Encyclopedia Ameri-cana, 1950</i>	1951
3004a	"The Television Microscope," L. E. Flory, <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , Vol. XVI	1951

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3008	"An Experimental High-Transconductance Tube Using Space-Charge Deflection of the Electron Beam," J. T. Wallmark, <i>Proc. I.R.E.</i> (January)	1952
3009	"Heat-Transmitting Mirror," G. L. Dimmick and M. E. Widdop, <i>Jour. S.M.P.T.E.</i> (January)	1952
3010	"Improved Television Picture Performance," H. N. Kozanowski, <i>Broadcast News</i> (January-February)	1952
3011	"Originative and Intensifier Activators in MgO Phosphors," R. H. Bube and K. F. Stripp, <i>Jour. Chem. Phys.</i> (January) (Letter to the Editor)	1952
3012	"Pictorial Radio, Part I," C. D. Tuska, <i>Jour. Frank. Inst.</i> (January)	1952
3013	"Power-Increase Conversions," F. E. Talmage, <i>TV Eng.</i> (January)	1952
3014	"Reducing Outage at WNBT and WNBC-FM," L. A. Looney and F. C. Everett, <i>Electronics</i> (January)	1952
3015	"Standards Conversion of Television Signals," V. K. Zworykin E. G. Ramberg, <i>Electronics</i> (January)	1952
3016	"Television in Medicine and Biology," V. K. Zworykin and L. E. Flory, <i>Elec. Eng.</i> (January)	1952
3017	"TT-25AL/20AH Conversion Equipments," F. E. Talmage, <i>Broadcast News</i> (January-February)	1952
3018	"The 'Twomobile', a 144-Mc. Transceiver," H. W. Brown, Jr., <i>Ham Tips</i> (January-February)	1952
3019	"UHF Receiving Antennas," E. O. Johnson and J. D. Callaghan, <i>Electronics</i> (January)	1952
3020	Item deleted.	
3021	"Factors Affecting the Quality of Kinerecording," P. J. Herbst, R. O. Drew, and J. M. Brumbaugh, <i>Jour. S.M.P.T.E.</i> (February)	1952
3022	"A High-Voltage Electron-Trap Rectifier," E. G. Linder, J. H. Coleman, and E. G. Apgar, <i>Proceedings of the National Electronics Conference</i> (February)	1952
3023	"Inexpensive Square-Wave Generator," G. W. Gray, <i>Electronics</i> (February)	1952
3024	"New Principle for Electronic Volume Compression," H. E. Haynes, <i>Jour. S.M.P.T.E.</i> (February)	1952
3025	"Pictorial Radio, Part II," C. D. Tuska, <i>Jour. Frank. Inst.</i> (February)	1952
3026	"Regulated 1,600-Ampere Filament Supply," A. W. Vance and C. C. Shumard, <i>Electronics</i> (February)	1952
3027	"Sweep Frequency Generator for UHF Television Band," J. A. Cornell and J. F. Sterner, <i>Tele-Tech</i> (February)	1952
3028	"Vibrating-Plate Viscometer," J. G. Woodward, <i>Electronics</i> (February)	1952
3029	"Frequency Control of Modulated Magnetrons by Resonant Injection System," L. L. Koros, <i>RCA Industry Service Laboratory Bulletin LB-855</i> (February 8)	1952
3030	"Design Data for Horizontal Rhombic Antennas," E. A. Laport, <i>RCA Industry Service Laboratory Bulletin LB-856</i> (February 18)	1952
3031	"A Band-Pass Mechanical Filter for 100 Kilocycles," L. L. Burns, Jr., <i>RCA Review</i> (March)	1952
3032	"Circuit Stability in Guided Missiles," R. L. Kelly, <i>Electronics</i> (March)	1952

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3033	"Design and Adjustment of Kinescope Centering Magnets and Ion-Trap Magnets," <i>RCA Application Note AN-152</i> (March)	1952
3034	"Design Considerations for Minimizing Ripple and Interference Effects in Horizontal-Deflection Circuits," <i>RCA Application Note AN-151</i> (March)	1952
3035	"Design Data for Horizontal Rhombic Antennas," E. A. Laport, <i>RCA Review</i> (March)	1952
3036	"A Developmental Portable Television Pickup Station," L. E. Flory, W. S. Pike, J. E. Dilley, and J. M. Morgan, <i>RCA Review</i> (March)	1952
3037	"Efficient TV Service in the Customer's Home," W. M. Tomlin, <i>Radio-Electronics</i> (March)	1952
3038	"Ferrite Applications in Electronic Components," B. V. Vonderschmitt, M. J. Obert, and H. B. Stott, <i>Electronics</i> (March)	1952
3039	"Frequency Control of Modulated Magnetrons by Resonant Injection System," L. L. Koros, <i>RCA Review</i> (March)	1952
3040	"Frequency Stability for Television Offset Carrier Operation," P. J. Herbst and E. M. Washburn, <i>RCA Review</i> (March)	1952
3041	"Image Gradation, Graininess and Sharpness in Television and Motion Picture Systems (Part II)," O. H. Schade, <i>Jour. S.M.P.T.E.</i> (March)	1952
3042	"Image Orthicon Color Television Camera Optical System," L. T. Sachtleben, D. J., Parker, G. L. Allee, and E. Kornstein, <i>RCA Review</i> (March)	1952
3043	"A Large Area Germanium Photocell," J. I. Pantchechnikoff, <i>Rev. Sci. Instr.</i> (March) (Letter to the Editor)	1952
3044	"Master Monitor for Video Monitoring," N. P. Kellaway, <i>TV Eng.</i> (March)	1952
3045	"The NBC New York Color Television Field Test Studio," J. R. DeBaun, R. A. Monfort, and A. A. Walsh, <i>RCA Review</i> (March)	1952
3046	"A New Master Monitor," N. P. Kellaway, <i>Broadcast News</i> (March-April)	1952
3047	"A New Television Camera for Studio and Field Use," A. Reisz, <i>Broadcast News</i> (March-April)	1952
3048	"A New UHF Television Antenna, TFU-24-B," O. O. Fiet, <i>Broadcast News</i> (March-April)	1952
3049	"Performance of the Vidicon, a Small Developmental Television Camera Tube," B. H. Vine, R. B. Janes, and F. S. Veith, <i>RCA Review</i> (March)	1952
3050	"The RCA Color Television Camera Chain," J. D. Spradlin, <i>RCA Review</i> (March)	1952
3051	"The Stratford, Conn. UHF TV Tests," J. R. Hall, <i>Service</i> (March)	1952
3052	"Interactions of Remote Impurity Centers in Phosphors," H. W. Leverenz and D. O. North, <i>Phys. Rev.</i> (March 1) (Letter to the Editor)	1952
3053	"Adjustment Procedure for Kinescope Ion-Trap Magnets," <i>RCA Application Note AN-153</i> , RCA Tube Department, Harrison, N. J. (April)	1952
3054	"Anomalous Interference Films on Glass by Chemical Treatment," F. H. Nicoll, <i>Jour. Opt. Soc. Amer.</i> (April)	1952
3055	"Azimuth Film Calibration," M. Rettinger, <i>Audio. Eng.</i> (April)	1952
3056	"Ferromagnetic Spinels Containing Lithium," R. S. Weisz, <i>Ceramic Industry</i> (April and May)	1952
3057	"A Four-Purpose Communication-Receiver Auxiliary," G. D. Hanchett, Jr. and K. G. Bucklin, <i>QST</i> (April)	1952
3058	"High-Silica Fluosilicic Acids: Specific Reactions and the Equilibrium with Silica," S. M. Thomsen, <i>Jour. Amer. Chem. Soc.</i> (April)	1952

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3059	"Horizontal-Deflection-Output and High-Voltage Transformer RCA-230T1 for 18-Kilovolt Kinescope Operation," <i>RCA Application Note AN-154</i> , RCA Tube Department, Harrison, N. J. (April)	1952
3060	"The Host Crystal Luminescence of Zinc Sulfide Phosphors," R. H. Bube, <i>Jour. Chem. Phys.</i> (April)	1952
3061	A New All-Purpose Television Camera," A. Reisz, <i>Tele-Tech</i> (April)	1952
3062	"Occurrence of Ferromagnetism in Spinels," R. S. Weisz, <i>Ceramic Age</i> (April)	1952
3063	"Optical-Magnetic Sound 16mm Projector," G. A. del Valle and F. L. Putzrath, <i>Jour. S.M.P.T.E.</i> (April)	1952
3064	"Production Testing of Multiplier Phototubes," R. W. Engstrom, R. G. Stoudenheimer, and A. M. Glover, <i>Nucleonics</i> (April)	1952
3065	"A Technical Solution of Magnetic Recording Cost Reduction," K. Singer and H. C. Ward, <i>Jour. S.M.P.T.E.</i> (April)	1952
3066	"Twin-Drum Film-Drive Filter System for Magnetic Recorder-Reproducer," C. E. Hittle, <i>Jour. S.M.P.T.E.</i> (April)	1952
3067	"Zinc-Magnesium Oxide and Zinc-Magnesium Sulfide Phosphors," A. L. Smith, <i>Jour. Electro-Chem. Soc.</i> (April)	1952
3068	"A Video Test Signal Generator," H. Borkan, J. G. Reddeck, and W. C. Morrison, <i>RCA Industry Service Laboratory Bulletin LB-859</i> (April 4)	1952
3069	"The Preparation of Single and Multiple P-N Junctions in Single Crystals of Germanium," A. R. Moore, <i>RCA Industry Service Laboratory Bulletin LB-860</i> (April 25)	1952
3070	"An Aural Monitor for Frequency Modulation," J. L. Hathaway and R. E. Lafferty, <i>Proc. I.R.E.</i> (May)	1952
3071	"A Deluxe TV-Audio Console Custom Built by RCA for NBC Studios," R. W. Byloff, <i>Broadcast News</i> (May-June)	1952
3072	"How to Handle Film in Your TV Station," W. L. Murray, <i>Broadcast News</i> (May-June)	1952
3073	"Interference from Harmonics of Sound-IF and Picture-IF Signals," J. R. Meagher, <i>RCA Rad. and Tele. Serv. News</i> (May-June)	1952
3074	"NBC Converts El Capitan for TV Theatre," <i>Broadcast News</i> (May-June)	1952
3075	"Pattern-Testing the TFU-24B UHF Antenna," E. H. Shively, <i>Broadcast News</i> (May-June)	1952
3076	"Planetary Position Effect on Short-Wave Signal Quality," J. H. Nelson, <i>Elec. Eng.</i> (May)	1952
3077	"Practical TVI Filter," J. H. Owens, <i>Radio-Electronics</i> (May) ..	1952
3078	"Television Films—A Review of Current and Proposed Methods," P. J. Herbst, <i>Broadcast News</i> (May-June)	1952
3079	"Trouble Shooting 'Tough' Sets or 'Dogs'," J. R. Meagher, <i>TV Servicing</i> , Supplement I (May)	1952
3080	"TV Facilities for NBC Hollywood Studio 'D,'" <i>Broadcast News</i> (May-June)	1952
3081	"TV Pattern for the Future," R. F. Guy, <i>Radio-Electronics</i> (May)	1952
3082	"Use of Thoriated-Tungsten Filaments in High-Power Transmitting Tubes," R. B. Ayer, <i>Proc. I.R.E.</i> (May)	1952
3083	"Heater-Cathode Leakage Hum Reduction by Means of a Shielded Heater," K. R. DeRemer and H. Johnson, <i>RCA Industry Service Laboratory Bulletin LB-861</i> (May 5)	1952
3084	"A Survey of Transistor Development," B. N. Slade, <i>RCA Industry Service Laboratory Bulletin LB-862</i> (May 19)	1952
3085	"A Crystal Ringing Circuit for Color Synchronization," J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-863</i> (May 20)	1952

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3086	"Transistor Oscillators," R. O. Endres, R. P. Moore, Jr., and E. A. Oser, <i>RCA Industry Service Laboratory Bulletin LB-865</i> (May 23)	1952
3087	"An Analysis of the Injection Locking of Magnetrons Used in Amplitude-Modulated Transmitters," J. S. Donal, Jr. and K. K. N. Chang, <i>RCA Review</i> (June)	1952
3088	"Increasing Tube Reliability in Industrial Circuits," D. G. Koch, <i>Prod. Eng.</i> (June)	1952
3089	"Pack-Carried Television Station," L. E. Flory, W. S. Pike, J. E. Dilley, and J. M. Morgan, <i>Electronics</i> (June)	1952
3090	"The Plasmatron, A Continuously Controllable Gas-Discharge Developmental Tube," E. O. Johnson and W. M. Webster, <i>Proc. I.R.E.</i> (June)	1952
3091	"Some New Ultra-High-Frequency Power Tubes," P. T. Smith, <i>RCA Review</i> (June)	1952
3092	"Some Types of Omnidirectional High-Gain Antennas for Use at Ultra-High Frequencies," J. Epstein, D. W. Peterson, and O. M. Woodward, Jr., <i>RCA Review</i> (June)	1952
3093	"Static Magnetic Matrix Memory and Switching Circuits," J. A. Rajchman, <i>RCA Review</i> (June)	1952
3094	"Studies of Externally Heated Hot Cathode Arcs, Part II—The Anode-Glow Mode," W. M. Webster, E. O. Johnson, and L. Malter, <i>RCA Review</i> (June)	1952
3095	"The Synchro-Screen as a Stage Setting for Motion Picture Presentation," B. Schlanger, W. A. Hoffberg, and C. R. Underhill, Jr., <i>Jour. S.M.P.T.E.</i> (June)	1952
3096	"A 7000-Megacycle Developmental Magnetron for Frequency Modulation," H. K. Jenny, <i>RCA Review</i> (June)	1952
3097	"Noise Factor Considerations and Measurement Techniques at UHF," B. Harris and A. T. Brennan, <i>RCA Industry Service Laboratory Bulletin LB-866</i> (June 5)	1952
3098	"The Control of Frequency Response and Stability of Point-Contact Transistors," B. N. Slade, <i>RCA Industry Service Laboratory Bulletin LB-867</i> (June 19)	1952
3099	"Germanium P-N-P Junction Transistors," L. D. Armstrong, J. I. Pantchechnikoff, C. W. Mueller, and R. R. Law, <i>RCA Industry Service Laboratory Bulletin LB-868</i> (June 23)	1952
3100	"P-N Junctions by Impurity Introduction Through an Intermediate Metal Layer," L. D. Armstrong, <i>RCA Industry Service Laboratory Bulletin LB-869</i> (June 23)	1952
3101	"Automatic Torque Controller for Torque Motors," C. E. Hittle, <i>Jour. S.M.P.T.E.</i> (July)	1952
3102	"The Empire State Television Antenna System," H. E. Gihring, <i>Broadcast News</i> (July-August)	1952
3103	"A High-Voltage, Cold-Cathode Rectifier," E. G. Linder, J. H. Coleman, and E. G. Apgar, <i>Proc. I.R.E.</i> (July)	1952
3104	"How to Estimate VHF or UHF Coverage," F. W. Smith, <i>Broadcast News</i> (July-August)	1952
3105	"Maximum Coverage for VHF-UHF TV," F. W. Smith, <i>Electronics</i> (July)	1952
3106	"New UHF-TV Antenna," Part 1—Construction and Performance Details of TFU-24B UHF Antennas, O. O. Fiet, <i>FM and Tele.</i> (July)	1952
3107	"Protecting Sensitive Current Meters," L. J. Giacometto, <i>Electronics</i> (July)	1952
3108	"Specimen Charging in the Electron Microscope and Some Observations on the Size of Polystyrene Latex Particles," S. G. Ellis, <i>Jour. Appl. Phys.</i> (July)	1952
3109	"Tone-Burst Generator Checks A-F Transients," M. C. Kidd, <i>Electronics</i> (July)	1952
3110	"TV Engineering Requirements for FCC Applications," I. Newton, <i>Broadcast News</i> (July-August)	1952

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3111	"Universal Design Curves for Tone-Control Circuits (Part I)," M. B. Knight, <i>Rad. and Tele. News</i> (July)	1952
3112	"Unusual Transmitter for the Novice Features the New RCA-6146," F. S. Barkalow, <i>Ham Tips</i> (July)	1952
3113	"Junction Transistor Equivalent Circuits and Vacuum Tube Analogy," L. J. Giacoletto, <i>RCA Industry Service Laboratory Bulletin LB-870</i> (July 7)	1952
3114	"Dynamic Test Set for Transistors," W. M. Webster and J. I. Pantchechnikoff, <i>RCA Industry Service Laboratory Bulletin LB-871</i> (July 15)	1952
3115	"Balance Measurements on Balun Transformers," O. M. Woodward, Jr., <i>RCA Industry Service Laboratory Bulletin LB-872</i> (July 22)	1952
3116	"Broadcast Audio Wiring Practice," W. E. Stewart, <i>Audio Eng.</i> (August)	1952
3117	"Cinemagnetic Recording," A. C. Blaney, <i>Rad. and Tele. News</i> (August)	1952
3118	"Niobate and Tantalate Dielectrics," E. Wainer and C. Wentworth, <i>Journal of the American Ceramic Society</i> (August)	1952
3119	"The Decay and Recovery of the Pulsed Emission of Oxide-Coated Cathodes," R. M. Matheson and L. S. Nergaard, <i>Jour. Appl. Phys.</i> (August)	1952
3120	"Elimination of Moiré Effects in Tri-Color Kinescopes," E. G. Ramberg, <i>Proc. I.R.E.</i> (August)	1952
3121	"New UHF-TV Antenna," Part 2—TFU-24B Horizontal and Vertical Radiation Characteristics, O. O. Fiet, <i>FM and Tele.</i> (August)	1952
3122	"Two New Photomultipliers for Scintillation Counting," M. H. Greenblatt, M. W. Green, P. W. Davidson, and G. A. Morton, <i>Nucleonics</i> (August)	1952
3123	"Universal Design Curves for Tone-Control Circuits (Part II)," M. B. Knight, <i>Rad. and Tele. News</i> (August)	1952
3124	"WO-56A—A 7-Inch Oscilloscope for TV Servicing," M. J. Ackerman and R. D. Scheldorf, <i>RCA Rad. and Tele. Serv. News</i> (August-September)	1952
3125	"The 3-Gun Shadow-Mask Color Kinescope," H. B. Law, <i>Elec. Eng.</i> (August)	1952
3126	"A One-Channel UHF Converter," W. Y. Pan, <i>RCA Industry Service Laboratory Bulletin LB-874</i> (August 8)	1952
3127	"Transistor Trigger Circuits," A. W. Lo, <i>RCA Industry Service Laboratory Bulletin LB-875</i> (August 11)	1952
3128	"Noise Factor Measurements of Transistors," P. H. Werenfels, <i>RCA Industry Service Laboratory Bulletin LB-876</i> (August 25)	1952
3129	"Analysis of Microwave Antenna Sidelobes," N. I. Korman, E. B. Herman, and J. R. Ford, <i>RCA Review</i> (September) ..	1952
3130	"'Close-In' Coverage with High-Gain VHF Antennas," I. T. Newton, <i>Broadcast News</i> (September-October)	1952
3131	"Diplexers and the VHF Filterplexer," I. E. Goldstein and H. E. King, <i>Broadcast News</i> (September-October)	1952
3132	"The Effect of Accelerating Voltage and Specimen Morphology on Electron Diffraction Patterns," S. G. Ellis, <i>Jour. Appl. Phys.</i> (September)	1952
3133	"Electrode-Terminal Connections for Pencil-Type UHF Triodes," <i>RCA Application Note AN-156</i> , RCA Tube Department, Harrison, N. J. (September)	1952
3134	"On Extending the Operating Voltage Range of Electron-Tube Heaters," J. Kurshan, <i>RCA Review</i> (September)	1952
3135	"Feed Systems for the New Twelve-Section Superturndisk Antenna," L. J. Wolf, <i>Broadcast News</i> (September-October) ..	1952

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3136	"A High-Accuracy Time-Division Multiplier," E. A. Goldberg, <i>RCA Review</i> (September)	1952
3137	"A High-Conductivity Glass-to-Metal Seal," J. C. Turnbull, <i>RCA Review</i> (September)	1952
3138	"Low-Noise Traveling-Wave Amplifier," R. W. Peter, <i>RCA Review</i> (September)	1952
3139	"A Note on the Design of Constant Resistance Cathode-Ray Deflection Circuits," R. C. Webb, <i>RCA Review</i> (September) ..	1952
3140	"Parallel-Tuned Circuit Periodically Switched to a Direct-Current Source," L. J. Giacoletto, <i>RCA Review</i> (September) ..	1952
3141	"A Pressure Microphone for Television and Broadcast Service," L. J. Anderson, <i>Broadcast News</i> (September-October)	1952
3142	"Survey of Transistor Development, Part I," B. N. Slade, <i>Rad. and Tele. News</i> (September)	1952
3143	"A Time-Division Multiplex Terminal," O. E. Dow, <i>RCA Review</i> (September)	1952
3144	"Transistor Oscillators," E. A. Oser, R. O. Endres, and R. P. Moore, Jr., <i>RCA Review</i> (September)	1952
3145	"UHF in Portland—How is it Doing?," J. P. Taylor, <i>Broadcast News</i> (September-October)	1952
3146	"Ultraviolet Television Microscopy," V. K. Zworykin, L. E. Flory, and R. E. Shrader, <i>Electronics</i> (September)	1952
3147	"Universal Design Curves for Tone-Control Circuits (Part III)," M. B. Knight, <i>Rad. and Tele. News</i> (September)	1952
3148	"Use of the Flying-Spot Scanner to Study Photosensitive Surfaces," J. I. Pantchechnikoff, S. Lasof, J. Kurshan, and A. R. Moore, <i>Rev. Sci. Instr.</i> (September)	1952
3149	"Use of Miniature Power Pentode RCA-6CL6 in Video Output Stages," <i>RCA Application Note AN-155</i> (September)	1952
3150	"Video Test Signal Generator," H. Borkan, W. C. Morrison, and J. G. Reddeck, <i>Electronics</i> (September)	1952
3151	"The 'Walkie-Lookie'," A. E. Ohler, <i>Broadcast News</i> (September-October)	1952
3152	"The Walkie-Pushie-Lookie Television Camera," J. E. Burrell, <i>Tele-Tech</i> (September)	1952
3153	"Deflection Systems with Regulated Kickback High-Voltage Supplies for Tri-Color Kinescopes," M. D. Nelson, <i>RCA Industry Service Laboratory Bulletin LB-877</i> (September 5) ..	1952
3154	"A Vestigial Sideband Filter," J. B. Merrill, <i>RCA Industry Service Laboratory Bulletin LB-878</i> (September 10)	1952
3155	"Rhombic Antennas for UHF Television," A. J. Herbig, <i>RCA Industry Service Laboratory Bulletin LB-879</i> (September 10)	1952
3156	"Plural Electron Scattering and its Influence on Electron Diffraction Patterns," S. G. Ellis, <i>Phys. Rev.</i> (September 15) ..	1952
3157	"An Automatic Level-Setting Sync and AGC System," M. G. Kroger and E. O. Keizer, <i>RCA Industry Service Laboratory Bulletin LB-880</i> (September 16)	1952
3158	"Determination of Orientation and Deformation of Germanium Crystals," I. J. Hegyi, <i>RCA Industry Service Laboratory Bulletin LB-881</i> (September 17)	1952
3159	"A Transistor Curve Tracer," G. B. Herzog, R. D. Lohman, and J. Kurshan, <i>RCA Industry Service Laboratory Bulletin LB-882</i> (September 30)	1952
3160	"A Building-Block Approach to Magnetic Recording Equipment Design," K. Singer and J. L. Pettus, <i>Jour. S.M.P.T.E.</i> (October)	1952
3161	"Electron Microscopy of Some Marine Egg Inclusions," J. Hillier (coauthor), <i>Biological Bulletin</i> (October)	1952

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3162	"Electron Microscopy of Some Marine Egg Surfaces," J. Hillier (coauthor), <i>Biological Bulletin</i> (October)	1952
3163	"Q-Meter Correction Chart for Q-Voltmeter Loading," R. E. Lafferty, <i>Tele-Tech</i> (October)	1952
3164	"R-F Coupling Nomograph," R. E. Lafferty, <i>Electronics</i> (October)	1952
3165	"Survey of Transistor Development, Part II," B. N. Slade, <i>Rad. and Tele. News</i> (October)	1952
3166	"Universal Design Curves for Tone-Control Circuits (Part IV)," M. B. Knight, <i>Rad. and Tele. News</i> (October)	1952
3167	"The Vibrating-Plate Viscometer—An Aid in Slip-Casting Control," J. G. Woodward, <i>American Ceramic Society Bulletin</i> (October)	1952
3168	"A Sweep Method for Measuring Envelope Delay," A. C. Schroeder, <i>RCA Industry Service Laboratory Bulletin 888</i> (October 3)	1952
3169	"Some Applications of Permanently Magnetized Ferrite Magnetostrictive Resonators," W. Van B. Roberts, <i>RCA Industry Service Laboratory Bulletin 884</i> (October 6)	1952
3170	"Electrical Measurements on Germanium," E. C. Giaimo, A. R. Moore, and J. Kurshan, <i>RCA Industry Service Laboratory Bulletin 885</i> (October 8)	1952
3171	"Low-Temperature Electrical Measurements on Semiconductors," R. L. Bjork, E. E. Hahn, and M. L. Schultz, <i>RCA Industry Service Laboratory Bulletin 886</i> (October 8)	1952
3172	"Reflexed Intercarrier Sound," J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-887</i> (October 10)	1952
3173	"Miniature High-Performance Personal Radio Receivers," J. C. Bleazey, J. Preston, and H. F. Olson, <i>RCA Industry Service Laboratory Bulletin LB-888</i> (October 14)	1952
3174	"Application of Linear Active Four-Terminal Network Theory to Transistors," L. J. Giacometto, <i>RCA Industry Service Laboratory Bulletin LB-889</i> (October 14)	1952
3175	"Purification of Germanium by Gradient Freezing," S. M. Christian, <i>RCA Industry Service Laboratory Bulletin 890</i> (October 17)	1952
3176	"Laboratory Equipment for Germanium Purification," E. C. Giaimo, <i>RCA Industry Service Laboratory Bulletin 891</i> (October 17)	1952
3177	"Preparation of Single Crystals of Germanium and Silicon," B. Selikson, <i>RCA Industry Service Laboratory Bulletin LB-892</i> (October 23)	1952
3178	"Experimentally Determined Radiation Characteristics of Conical and Triangular Antennas, O. M. Woodward, Jr., and G. H. Brown, <i>RCA Industry Service Laboratory Bulletin LB-893</i> (October 31)	1952
3179	"An All-Band Antenna and Coupler," J. H. Owens, <i>RCA Ham Tips</i> (November)	1952
3180	"Broadcasting TV in the UHF Band," J. Epstein and D. W. Peterson, <i>Electronics</i> (November)	1952
3181	"The Control of Frequency Response and Stability of Point-Contact Transistors," B. N. Slade, <i>Proc. I.R.E.</i> (November)	1952
3182	"A Developmental Germanium P-N-P Junction Transistor," R. R. Law, C. W. Mueller, J. I. Pankove (Pantchechnikoff), and L. D. Armstrong, <i>Proc. I.R.E.</i> (November)	1952
3183	"Experimental 850-Mc TV Transmitter," G. A. Olive, <i>Electronics</i> (November)	1952
3184	"High-Efficiency Coolers for Power Tubes," M. B. Lemeshka and A. G. Nekut, <i>Tele-Tech</i> (November)	1952

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3185	"Junction Transistor Equivalent Circuits and Vacuum-Tube Analogy," L. J. Giacoletto, <i>Proc. I.R.E.</i> (November)	1952
3186	"A New Superhet S-Meter Circuit," J. H. Owens, <i>RCA Ham Tips</i> (November)	1952
3187	"P-N Junctions by Impurity Introduction Through an Intermediate Metal Layer," L. D. Armstrong, <i>Proc. I.R.E.</i> (November)	1952
3188	"Q-Meter Correction Chart for Distributed Capacitance," R. E. Lafferty, <i>Tele-Tech</i> (November)	1952
3188a	"Survey of Transistor Development, Part III," B. N. Slade, <i>Rad. and Tele. News</i> (November)	1952
3189	"Transistors Operate at 300 MC," G. M. Rose and B. N. Slade, <i>Electronics</i> (November)	1952
3190	"Transistor Trigger Circuits," A. W. Lo, <i>Proc. I.R.E.</i> (November)	1952
3191	"The Use of Radioactive Material for the Generation of High Voltage," E. G. Linder and S. M. Christian, <i>Jour. Appl. Phys.</i> (November)	1952
3192	"Ceramic-Metal Seals of the Tungsten-Iron Type," D. G. Burnside, <i>RCA Industry Service Laboratory Bulletin 894</i> (November 10)	1952
3193	"Resistivity Striations in Single-Crystal Germanium," P. R. Camp, <i>RCA Industry Service Laboratory Bulletin LB-896</i> (November 14)	1952
3194	"Methods of Processing Silver-Magnesium Secondary Emitters for Electron Tubes," P. Rappaport, <i>RCA Industry Service Laboratory Bulletin 897</i> (November 28)	1952
3195	"Attenuation of Wire Helices in Dielectric Supports," R. W. Peter, J. A. Ruetz, and A. B. Olson, <i>RCA Review</i> (December)	1952
3196	"Development of an Improved Graphochon Storage Tube," W. T. Dyall, G. R. Fadner, and M. D. Harsh, <i>RCA Review</i> (December)	1952
3197	"Electronic Structure of the Diamond Crystal," F. Herman, <i>Phys. Rev.</i> (December) (Letter to the Editor)	1952
3198	"Experimentally Determined Radiation Characteristics of Conical and Triangular Antennas," G. H. Brown and O. M. Woodward, Jr., <i>RCA Review</i> (December)	1952
3199	"Field Strengths Recorded on Adjacent FM Channels at 93 Megacycles over Distances from 40 to 150 Miles," G. S. Wickizer and A. M. Braaten, <i>Proc. I.R.E.</i> (December)	1952
3200	"One-Channel Converter for UHF Television," W. Y. Pan, <i>Electronics</i> (December)	1952
3201	"Photoconductivity Study of Activation of Barium Oxide," H. B. DeVore, <i>RCA Review</i> (December)	1952
3202	"Potential Distribution for Space-Charge Limited Current between a Plane Accelerating Grid and Parallel Anode," E. G. Ramberg and L. Malter, <i>Jour. Appl. Phys.</i> (December)	1952
3203	"A Profile of the Man in Industrial Research," E. W. Engstrom and E. H. Alexander, <i>Proc. I.R.E.</i> (December)	1952
3204	"Stable Oscillator for UHF TV Receivers," K. E. Loofbourrow and C. M. Morris, <i>Electronics</i> (December)	1952
3205	"Studies of the Oxide Cathode," L. S. Nergaard, <i>RCA Review</i> (December)	1952
3206	"Progress Report on Transistor Research and Circuit Applications," <i>RCA Industry Service Laboratory Bulletin LB-898</i> (December 17)	1952

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3207	"Theoretical Resistivity and Hall Coefficient of Impure Germanium Near Room Temperature," P. G. Herkart and J. Kurshan, <i>RCA Industry Service Laboratory Bulletin LB-899</i> (December 18)	1952
3208	"Equipments for Measurement of Junction Transistor Small-Signal Parameters for a Wide Range of Frequencies," L. J. Giacoletto, <i>RCA Industry Service Laboratory Bulletin LB-900</i> (December 30)	1952
3209	<i>Applied Mathematics for Technical Students</i> , Revised Edition, M. S. Corrington, Harper and Brothers, New York, N. Y.	1952
3210	<i>Harmonics, Sidebands and Transients in Communications Engineering</i> , C. L. Cuccia, McGraw-Hill Book Co., New York, N. Y.	1952
3211	"Modulation of CW Magnetrons," J. S. Donal, Jr., Chapter of <i>Advances in Electronics</i> , Vol. IV, Edited by L. Marton, Academic Press, New York, N. Y.	1952
3212	<i>Musical Engineering</i> , H. F. Olson, McGraw-Hill Book Company, Inc., New York, N. Y.	1952
3213	<i>Radio Antenna Engineering</i> , E. A. Laport, McGraw-Hill Book Company, Inc., New York, N. Y.	1952
3214	"A Scientist Looks at Television in Relation to Its Social Aspects," V. K. Zworykin, Section of <i>Technion Yearbook</i> , 1951.	1952
3215	"The Scintillation Counter," G. A. Morton, Chapter of <i>Advances in Electronics</i> , Vol. IV, Edited by L. Marton, Academic Press, New York, N. Y.	1952
3216	<i>Storage Tubes and Their Basic Principles</i> , M. Knoll and B. Kazan, John Wiley and Sons, Inc., New York, N. Y.	1952
3217	"The Television Microscope," L. E. Flory, <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , Vol. XVI, 1951	1952
3217a	"Abstracts—Modern Methods for Microscopy Symposium III, Ithaca, N. Y., September 9, 1952—from Light to Electron Microscopy," J. Hillier, <i>American Microscopical Society</i> (January)	1953
3218	"Construction of Inductors for TVI Filters," A. M. Seybold, <i>RCA Ham Tips</i> (January-March)	1953
3219	"Electronics for Defense and Industry," E. W. Engstrom, <i>Proceedings of the National Electronics Conference</i> (January)	1953
3219a	"Engineering Unity," B. E. Shackelford, <i>Proc. I.R.E.</i> (Letter to the Editor) (January)	1953
3220	"Field Strength of KC2XAK, 534.75 Mc Recorded at Riverhead, N. Y.," G. S. Wickizer, <i>Proc. I.R.E.</i> (January)	1953
3221	"Junction Transistor Characteristics at Low and Medium Frequencies," L. J. Giacoletto, <i>Proceedings of the National Electronics Conference</i> (January)	1953
3222	"Luminescence and Trapping in Phosphors Containing Gallium," R. H. Bube and S. Larach, <i>Jour. Chem. Phys.</i> (January)	1953
3223	"Measurements of Some Operational Characteristics of an Amplitude-Modulated Injection-Locked UHF Magnetron Transmitter," L. L. Koros, <i>Proc. I.R.E.</i> (January)	1953
3224	"More on UHF Coverage," J. P. Taylor, <i>Broadcast News</i> (January-February)	1953
3225	"On a Limb," Albert Rose, <i>Electronics</i> (Backtalk) (January)	1953
3226	"One-Kilowatt Tetrode for UHF Transmitters," W. P. Bennett and H. F. Kazanowski, <i>Proc. I.R.E.</i> (January)	1953
3227	"Practical Applications of Microphones for Television," H. M. Gurin, <i>Broadcast News</i> (January-February)	1953
3228	"Pressure Microphone for TV and Broadcast Service," L. J. Anderson, <i>Tele-Tech</i> (January)	1953
3229	"A Pulse Emission Test for Field Testing Hot-Cathode Gas Tubes," <i>RCA Application Note AN-157</i> , RCA Tube Department, Harrison, N. J. (January)	1953
3230	"RCA," E. C. Cahill, <i>Electronics</i> (Backtalk) (January)	1953

No.		Year
3231	"Signal Tracing in High-Voltage TV Circuits," A. Liebscher, <i>Rad. and Tele. News</i> (January)	1953
3232	"TV Comes to Portland," V. Bary, <i>Radio-Electronics</i> (January)	1953
3233	"Type BHF-50A, 50-KW High Frequency Transmitter," C. J. Starner, <i>Broadcast News</i> (January-February)	1953
3234	"UHF Opens Up," R. F. Guy, <i>Radio-Electronics</i> (January) ...	1953
3235	"UHF Triode Design in Terms of Operating Parameters and Electrode Spacings," L. J. Giacoletto and H. Johnson, <i>Proc. I.R.E.</i> (January)	1953
3236	"A Vibrating-Plate Viscometer," J. G. Woodward, <i>Jour. Acous. Soc. Amer.</i> (January)	1953
3237	"Design Considerations for Series Heater Strings in Television Receivers," M. B. Knight, <i>RCA Industry Service Laboratory Bulletin LB-902</i> (January 12)	1953
3237a	"Electronic Structure of the Germanium Crystal," F. Herman and J. Callaway, <i>Phys. Rev.</i> (Letter to the Editor) (January 15)	1953
3238	"Clay-Slip Testing with the Vibrating-Plate Viscometer," G. W. Phelps, J. G. Woodward, and S. G. Maguire, <i>Jour. Amer. Cer. Soc.</i> (February)	1953
3239	"3-Element 14mc. Rotary Beam Antenna," C. A. West, <i>Rad. and Tele. News</i> (February)	1953
3240	"Gunshot Generator for Television Studios," J. L. Hathaway and R. E. Lafferty, <i>Electronics</i> (February)	1953
3241	"New Developments in Traveling-Wave Tubes," W. J. Dodds, R. W. Peter, and S. F. Kaisel, <i>Electronics</i> (February)	1953
3242	"Oscilloscope Tracer Plots Transistor Curves," J. Kurshan, R. D. Lohman, and G. B. Herzog, <i>Electronics</i> (February) ..	1953
3243	"Channel Spacings at 152 to 174 Mc.," H. E. Strauss, <i>Communication Engineering</i> (March-April)	1953
3244	"The Edison Medalist," E. W. Engstrom, <i>Elec. Eng.</i> (March) ..	1953
3245	"The Electron Coupler—A Developmental Tube for Amplitude Modulation and Power Control at Ultra-High Frequencies," C. L. Cuccia, <i>RCA Review</i> (March)	1953
3246	"The Evolution of Television," V. K. Zworykin, <i>Elec. Eng.</i> (March)	1953
3247	"Factors in the Design of Point-Contact Transistors," B. N. Slade, <i>RCA Review</i> (March)	1953
3248	"Impedance Matching with Transformer Sections," R. W. Klopfenstein, <i>RCA Review</i> (March)	1953
3249	"Interaction of Manganese Activator Ions in Zinc-Orthosilicate Phosphors," S. Larach and J. Turkevich, <i>Phys. Rev.</i> (March) ..	1953
3250	"Israel Intercity VHF Telecommunication Systems," L. C. Simpson, <i>RCA Review</i> (March)	1953
3250a	"Kinescope Recording Film Exposure Control," R. E. Lovell, <i>Jour. S.M.P.T.E.</i> (March)	1953
3251	"Microwave Equipment for Multichannel Communication Service," B. F. Wheeler, <i>Radio-Electronic Engineering</i> (March) ..	1953
3252	"On the Molecular Evaporation of Group IVB Elements," R. E. Honig, <i>Jour. Chem. Phys.</i> (Letter to the Editor) (March) ..	1953
3252a	"Multiple Television and Frequency-Modulation Transmitting Antenna Installation on the Empire State Building," J. B. Dearing, H. E. Gihring, R. F. Guy (coauthors), <i>Proc. I.R.E.</i> (March)	1953
3253	"Performance Evaluation of 'Special Red' Tubes," H. J. Prager, <i>Transactions of the I.R.E. Professional Group on Quality Control</i> (March)	1953
3253a	"The Principle of a Servo-Type Mechanism Requiring Variable Elements," R. Drenick, <i>Proc. I.R.E.</i> (March)	1953
3254	"So, You Want to Be an Inventor," C. D. Tuska, <i>Jour. Frank. Inst.</i> (March)	1953

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3255	"Some Applications of Permanently Magnetized Ferrite Magnetostrictive Resonators," W. Van B. Roberts, <i>RCA Review</i> (March)	1953
3255a	"The Spook, Another Weird Effect to Haunt TV," M. B. Knight, <i>Rad. and Tele. News</i> (March)	1953
3256	"Terminology and Equations for Linear Active Four-Terminal Networks Including Transistors," L. J. Giacoletto, <i>RCA Review</i> (March)	1953
3257	"Time-Zone Delay of Television Programs by Kinescope Recording," R. E. Lovell, <i>Jour. S.M.P.T.E.</i> (March)	1953
3258	"The Uniaxial Microphone," H. F. Olson, J. Preston, and J. C. Bleazey, <i>RCA Review</i> (March)	1953
3259	"Drill Press Extrusion Cuts Costs of Thin-Wall Parts," W. N. Parker, <i>Iron Age</i> (March 5)	1953
3260	"An Auxiliary Mixer for TV Studios," G. A. Singer, <i>Audio Eng.</i> (April)	1953
3261	"Designing Trouble-Free Series Tube Heater Strings," M. B. Knight, <i>Tele-Tech</i> (April)	1953
3262	"Electronic Transitions in the Luminescence of Zinc Sulfide Phosphors," R. H. Bube, <i>Phys. Rev.</i> (April)	1953
3263	"How to Design Bistable Multivibrators," R. Pressman, <i>Electronics</i> (April)	1953
3264	"Intensification in Zinc Selenide Phosphors," S. Larach, <i>Jour. Chem. Phys.</i> (Letter to the Editor) (April)	1953
3265	"New Professional Television Projector," W. E. Stewart, <i>Jour. S.M.P.T.E.</i> (April)	1953
3266	"Review of Work on Dichroic Mirrors and Their Light-Dividing Characteristics," M. E. Widdop, <i>Jour. S.M.P.T.E.</i> (April) ..	1953
3267	"Spiral-Beam Tube Modulates 1 KW at UHF," C. L. Cuccia, <i>Electronics</i> (April)	1953
3268	"Two Non-Elementary Definite Integrals," M. S. Corrington, <i>Mathematical Tables and Other Aids to Computation</i> (April) ..	1953
3269	"Video Inset System," J. L. Hathaway and F. L. Hatke, <i>Electronics</i> (April)	1953
3270	"The Application of Transistors to an Industrial Television Synchronizing Generator," W. S. Pike, <i>RCA Industry Service Laboratory Bulletin LB-909</i> (April 17)	1953
3271	"Circuits for Reception of NTSC (Feb. 2, 1953) Color Television Signals," <i>RCA Industry Service Laboratory Bulletin, LB-910</i> (April 24)	1953
3271a	"Design Considerations in Miniature High Voltage Airborne Components," M. R. Alexy, <i>Electrical Manufacturing</i> (May) ..	1953
3271b	"An Experimental Study of Wave Propagation at 850 MC," J. Epstein and D. W. Peterson, <i>Proc. I.R.E.</i> (May)	1953
3272	"The Response of a Tuned Circuit to a Ramp Function," M. S. Corrington, <i>Proc. I.R.E.</i> (May)	1953
3273	"Thermal Conductivity of Some Metals and Alloys," L. Silverman, <i>Journal of Metals</i> (May)	1953
3274	"The TTU-1B, 1-KW UHF TV Transmitter," T. M. Gluyas and E. H. Potter, <i>Broadcast News</i> (May-June)	1953
3275	"The TP-6A . . . A New 16MM Professional TV Projector," H. G. Wright, <i>Broadcast News</i> (May-June)	1953
3276	"A UHF Balun," A. T. Brennan, <i>RCA Industry Service Laboratory Bulletin LB-911</i> (May 5)	1953
3277	"A Vidicon Camera Adapter for Television Receivers," G. W. Gray, W. S. Pike, and L. E. Flory, <i>RCA Industry Service Laboratory Bulletin LB-913</i> (May 28)	1953
3278	"A Bandpass Transmitter-Exciter Using an RCA 6146—Part I," Richard G. Talpey, <i>RCA Ham Tips</i> (June-July)	1953
3279	"Colorimetric Analysis of RCA Color Television System," D. W. Epstein, <i>RCA Review</i> (June)	1953

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3280	"Color Television Signal Receiver Demodulators," D. H. Pritchard and R. N. Rhodes, <i>RCA Review</i> (June)	1953
3281	"Equipments for Measuring Junction Transistor Admittance Parameters for a Wide Range of Frequencies," L. J. Giacoletto, <i>RCA Review</i> (June)	1953
3282	"Light and Electron Microscopic Studies of Escherichia Coli-colphage Interactions, III. Persistence of Mitochondria and Reductase Activity During Infection of Escherichia Coli B with T2 Phage," J. Hillier (coauthor), <i>Jour. Bacteriology</i> (June)	1953
3282a	"Operating Modes of a Servomechanism with Non-Linear Friction," H. Lauer, <i>Jour. Frank. Inst.</i> (June)	1953
3283	"Optimum Utilization of the Radio Frequency Channel for Color Television," R. D. Kell and A. C. Schroeder, <i>RCA Review</i> (June)	1953
3284	"Principles and Development of Color Television Systems," G. H. Brown and D. G. C. Luck, <i>RCA Review</i> (June)	1953
3285	"Quantum Theory of Spectral Line Broadening," S. Bloom and H. Margenau, <i>Phys. Rev.</i> (June)	1953
3285a	"Student Guidance," J. L. Callahan, <i>Proc. I.R.E.</i> (June)	1953
3285b	"A Study of Transistor Circuits for Television," G. C. Sziklai, R. D. Lohman, and G. B. Herzog, <i>Proc. I.R.E.</i> (June)	1953
3285c	"Symmetrical Properties of Transistors and Their Applications," G. C. Sziklai, <i>Proc. I.R.E.</i> (June)	1953
3286	"Television Coverage of the Presidential Inauguration," E. C. Wilbur and H. L. Grellck, <i>RCA Review</i> (June)	1953
3287	"Use of UHF Miniature Tube Sockets for UHF Television Applications," <i>RCA Application Note AN-158</i> , RCA Tube Department, Harrison, N. J. (June)	1953
3288	"A Symmetrical Transistor Phase Detector for Horizontal Synchronization," B. Harris and A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-914</i> (June 11)	1953
3289	"A P-N-P Triode Alloy Junction Transistor for Radio-Frequency Amplification," J. I. Pankove and C. W. Mueller, <i>RCA Industry Service Laboratory Bulletin LB-915</i> (June 18)	1953
3290	"The Variation of Current Gain with Junction Shade and Surface Recombination in Alloy Transistors," J. I. Pankove and A. Moore, <i>RCA Industry Service Laboratory Bulletin LB-916</i> (June 18)	1953
3291	"On the Variation of Junction Transistor Current-Amplification Factor with Emitter Current," W. M. Webster, <i>RCA Industry Service Laboratory Bulletin LB-917</i> (June 23)	1953
3292	"Correction of Frequency-Response Variations Caused by Magnetic-Head Wear," K. Singer and M. Rettinger, <i>Jour. S.M.P.T.E.</i> (July)	1953
3292a	"Electronics and the Engineer," D. Sarnoff, <i>Proc. I.R.E.</i> (July)	1953
3293	"Practical Analysis of Vertical Deflection Circuits," M. B. Knight, <i>Tele-Tech</i> (July)	1953
3294	"The RCA BW-5A Television Sideband Response Analyzer," J. A. Bauer and F. E. Talmage, <i>Broadcast News</i> (July-August)	1953
3295	"Television Towers," D. W. Balmer, <i>Broadcast News</i> (July-August)	1953
3296	"Video Operations, Lighting, and Good Television Pictures," H. N. Kozanowski, <i>Broadcast News</i> (July-August)	1953
3297	"Radioactive Charging Through a Dielectric Medium," E. G. Linder and P. Rappaport, <i>Phys. Rev.</i> (Letter to the Editor) (July 1)	1953
3298	"Circuit Diagram RCA Developmental Color Television Receiver," <i>RCA Industry Service Laboratory Bulletin LB-918</i> (July 23)	1953

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3299	"Fourier Treatment of Optical Processes," O. H. Schade, <i>Jour. Opt. Soc. Amer.</i> (Letter to the Editor) (August)	1953
3300	"Image Gradation, Graininess and Sharpness in Television and Motion-Picture Systems, Part III: The Grain Structure of Television Images," O. H. Schade, <i>Jour. S.M.P.T.E.</i> (August)	1953
3300a	"Large Reductions of VHF Transmission Loss and Fading by the Presence of a Mountain Obstacle in Beyond-Line-of-Sight Paths," G. S. Wickizer (coauthor), <i>Proc. I.R.E.</i> (August)	1953
3301	"Matched Line of Hi-Fi Equipment," H. F. Olson, <i>Audio Eng.</i> (August)	1953
3302	"Multiple-Track Magnetic Heads," K. Singer and M. Rettinger, <i>Audio Eng.</i> (August)	1953
3303	"Optimum Loading for Power Amplifier," W. R. Ayres, <i>Audio Eng.</i> (August)	1953
3304	"Surface Photoconductivity in Cadmium Sulfide Crystals," R. H. Bube, <i>Jour. Chem. Phys.</i> (Letter to the Editor) (August)	1953
3305	"An Experimental Transistor Personal Broadcast Receiver," L. E. Barton, <i>RCA Industry Service Laboratory Bulletin LB-919</i> (August 14)	1953
3306	"A Capacitive Tuned UHF Tuner," I. D. Baumel and E. M. Hinsdale, Jr., <i>RCA Industry Service Laboratory Bulletin LB-921</i> (August 21)	1953
3307	"Modification of Interlaced Sampling-Signal Generator," D. P. Dickie, Jr. and A. A. Barco, <i>RCA Industry Service Laboratory Bulletin Supplement LB-858-A</i> (August 21)	1953
3308	"Balance Measurements on Balun Transformers," O. M. Woodward, Jr., <i>Electronics</i> (September)	1953
3309	"A Comparison of Monochrome and Color Television with Reference to Susceptibility to Various Types of Interference," G. L. Fredendall, <i>RCA Review</i> (September)	1953
3310	"Complementary Symmetry Transistor Circuits," R. D. Lohman, <i>Electronics</i> (September)	1953
3311	"Distortion in Phonograph Reproduction," H. E. Roys, <i>RCA Review</i> (September)	1953
3312	"Electron Microscopy of Ultra-Thin Sections of Bacteria. I. Cellular Division in <i>Bacillus Cereus</i> ," G. B. Chapman and J. Hillier, <i>Jour. Bacteriology</i> (September)	1953
3312a	"How to Win Arguments," V. D. Landon, <i>Proc. I.R.E.</i> (Letter to the Editor) (September)	1953
3313	"Influence of Secondary Electrons on Noise Factor and Stability of Traveling-Wave Tubes," R. W. Peter and J. A. Ruetz, <i>RCA Review</i> (September)	1953
3314	"A Keyed Minimum-Signal Detector for Television Receiver Impulse-Noise Immunity," A. Macovski, <i>RCA Review</i> (September)	1953
3315	"A Level-Setting Sync and Automatic-Gain-Control System for Television Receivers," E. O. Keizer and M. G. Kroger, <i>RCA Review</i> (September)	1953
3316	"Performance Evaluation of 'Special Red' Tubes," H. J. Prager, <i>RCA Review</i> (September)	1953
3317	"Quantum and Noise Limitations of the Visual Process," A. Rose, <i>Jour. Opt. Soc. Amer.</i> (September)	1953
3318	"Radioactive Charging Effects with a Dielectric Medium," P. Rappaport and E. G. Linder, <i>Jour. Appl. Phys.</i> (September)	1953
3319	"Recent Maritime Radio and Radar Developments," I. F. Byrnes, <i>RCA Review</i> (September)	1953
3320	"Technical Signal Specifications Proposed as Standards for Color Television," <i>RCA Review</i> (September)	1953
3321	"Theoretical Resistivity and Hall Coefficient of Impure Germanium Near Room Temperature," P. G. Herkart and J. Kurshan, <i>RCA Review</i> (September)	1953

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3321a	"Transistor Circuits and Applications," G. C. Sziklai, <i>Electronic Engineering</i> (September)	1953
3322	"A VHF-UHF Television Turret Tuner," T. Murakami, <i>RCA Review</i> (September)	1953
3323	"Wide-Band Amplifiers Using Secondary-Emission Tubes," C. H. Chandler and G. D. Linz, <i>RCA Review</i> (September)	1953
3324	"Modulated Transistor Oscillators and Their Applications," H. C. Lin, <i>RCA Industry Service Laboratory Bulletin LB-923</i> (September 10)	1953
3325	"A Delay Equalizer for Color Television," G. L. Fredendall, <i>RCA Industry Service Laboratory Bulletin LB-924</i> (September 22)	1953
3326	"Elements of Boolean Algebra for the Study of Information-Handling Systems," R. Serrell, <i>Proc. I.R.E.</i> (October) ..	1953
3327	"The Formation of Colloidal Gold," J. Turkevich, P. C. Stevenson, and J. Hillier, <i>Jour. Phys. Chem.</i> (October)	1953
3327a	"Mass Spectrometric Analysis of Germanium," R. E. Honig, <i>Analytical Chemistry</i> (October)	1953
3328	"A Myriabit Magnetic-Core Matrix Memory," J. A. Rajchman, <i>Proc. I.R.E.</i> (October)	1953
3329	"Signal-Noise Meter Checks TV Links," R. Moffett, <i>Electronics</i> (October)	1953
3330	"Transistor Test Board Speeds Circuit Choice," R. L. Riddle, <i>Electronics</i> (October)	1953
3331	"RCA Developmental Color Television Receiver," <i>RCA Industry Service Laboratory Bulletin LB-925</i> (October 7) ..	1953
3332	"Recrystallization of Germanium from Indium Solution," J. I. Pankove, <i>RCA Industry Service Laboratory Bulletin LB-926</i> (October 15)	1953
3333	"A Series Noise Inverter for Television Receiver Impluse-Noise Immunity," A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-927</i> (October 16)	1953
3334	"Improving the Transient Response of Television Receivers," B. Harris, J. S. Horvath, and J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-928</i> (October 22)	1953
3334a	"Aviation Electronics," A. Van Dyck, <i>Proc. I.R.E.</i> (November)	1953
3335	"Bridges Measure Transistor Parameters," L. J. Giacoletto, <i>Electronics</i> (November)	1953
3336	"Color-Television Converter for Cable Networks," J. G. Reddeck and H. C. Gronberg, <i>Electronics</i> (November)	1953
3337	"Distortion in Phonograph Reproduction," H. E. Roys, <i>Jour. Acous. Soc. Amer.</i> (November)	1953
3338	"Electronic Sound Absorber," H. F. Olson and E. G. May, <i>Jour. Acous. Soc. Amer.</i> (November)	1953
3338a	"Meet the Snivet," M. B. Knight, <i>Rad. and Tele. News</i> (November)	1953
3339	"Production-Testing UHF Radiosonde Tubes," M. M. Bell, <i>Electronics</i> (November)	1953
3340	"Design of Video-Amplifier Peaking Circuits for Optimum Transient Response," P. F. Hille, Jr. and Jack Avins, <i>RCA Industry Service Laboratory Bulletin LB-930</i> (November 16)	1953
3341	"Miniature IF Transformers," C. Wentworth, <i>RCA Industry Service Laboratory Bulletin LB-931</i> (November 16)	1953
3342	"Aperture Compensation for Television Cameras," R. C. Dennison, <i>RCA Review</i> (December)	1953
3343	"A Capacitive-Tuned Ultra-High Frequency Television Tuner," E. M. Hinsdale, Jr. and I. D. Baumel, <i>RCA Review</i> (December)	1953
3344	"Development of a New Premium Twin Triode," H. E. Stumman and J. W. Ritcey, <i>RCA Review</i> (December)	1953

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3345	"Filter-Helix Traveling-Wave Tube," W. J. Dodds and R. W. Peter, <i>RCA Review</i> (December)	1953
3345a	"A Germanium N-P-N Alloy Junction Transistor," D. A. Jenny, <i>Proc. I.R.E.</i> (December)	1953
3346	"Particle Counting by Television Techniques," L. E. Flory and W. S. Pike, <i>RCA Review</i> (December)	1953
3347	"A P-N-P Triode Alloy Junction Transistor for Radio-Frequency Amplification," C. W. Mueller and J. I. Pankove, <i>RCA Review</i> (December)	1953
3348	"Portable Microwave for Allied Forces in Europe," M. G. Staton, <i>Electronics</i> (December)	1953
3349	"Radiation Pattern Synthesis," E. A. Laport, <i>RCA Review</i> (December)	1953
3350	"The Tangier Radio Relay System," C. G. Dietsch, <i>RCA Review</i> (December)	1953
3351	"Vest-Pocket Transistor-Alpha Meter," B. P. Kerfoot, <i>Electronics</i> (December)	1953
3352	"Viewing Storage Tube with Halftone Display," M. Knoll, P. Rudnick, and H. Hook, <i>RCA Review</i> (December)	1953
3353	"Water Load for High Power UHF," R. G. Talpey, <i>Electronics</i> (December)	1953
3353a	"Mechanism of Impurity Poisoning in the Luminescence of Zinc Sulfide Phosphors with Manganese Activator," R. H. Bube, S. Larach, and R. E. Shrader, <i>Phys. Rev.</i> (December 1)	1953
3354	"A Colorplexer for the Generation of Color Television Signals in Conformance with NTSC Specifications of July 21, 1953," R. N. Rhodes, <i>RCA Industry Service Laboratory Bulletin LB-932</i> (December 3)	1953
3355	"Measurement of Sweep and Video Circuit Interference Influence of Television Receivers on AM Receivers," C. G. Seright, <i>RCA Industry Service Laboratory Bulletin LB-933</i> (December 9)	1953
3356	"Supplemental Information on RCA Developmental Color Television Receivers," <i>RCA Industry Service Laboratory Bulletin LB-925A</i> (December 9)	1953
3357	"Measurement of Minority Carrier Lifetime and Surface Effects in Junction Devices," S. R. Lederhandler and L. J. Giacometto, <i>RCA Industry Service Laboratory Bulletin LB-934</i> (December 22)	1953
3358	"Investigation of UHF Television Amplifier Tubes," W. Y. Pan, <i>RCA Industry Service Laboratory Bulletin LB-936</i> (December 29)	1953
3359	"A Transformerless 25-Watt Audio Amplifier for Use with Conventional Loudspeakers," A. Macovski and D. P. Dickie, Jr., <i>RCA Industry Service Laboratory Bulletin LB-935</i> (December 29)	1953
3360	"Accuracy and Speed on Short-Wave Teleprinter Services," J. B. Moore, <i>Proceedings of the National Electronics Conference</i>	1953
3361	"Controlling Engineering Design Changes," A. T. Wilson, <i>Product Engineering—1953 Annual Handbook</i>	1953
3362	"Increasing Tube Reliability in Industrial Circuits," D. G. Koch, <i>Product Engineering—1953 Annual Handbook</i>	1953
3363	"Light and Electron Microscopic Studies of Escherichia Coli-coliphage Interactions, I. Preparative Method. Comparative Light and Electron Microscopic Cytology of the E. Coli B-T ₁ System," J. Hillier (coauthor), <i>Biochimica et Biophysica Acta</i>	1953
3364	"Light and Electron Microscopic Studies of Escherichia Coli-coliphage Interactions. II. Electron Microscopic Cytology of the E Coli B-T ₂ System," J. Hillier (coauthor), <i>Biochimica et Biophysica Acta</i>	1953

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3365	"Mass Spectrometric Studies in Solids," R. H. Plumlee, <i>National Bureau of Standards Circular 522</i>	1953
3366	"Use of Statistical Tolerances to Obtain Wider Limits on Tube Component Dimensions," E. V. Space, <i>Convention Record of the I.R.E. 1953 National Convention</i>	1953
3366a	"Basic Concepts and Evolution of Color Television," E. W. Engstrom, <i>Proc. I.R.E.</i> (January)	1954
3367	"Camera Adapter for TV Receivers," L. E. Flory, W. S. Pike, and G. W. Gray, <i>Electronics</i> (January)	1954
3367a	"The Choice of Axes and Bandwidths for the Chrominance Signals in NTSC Color Television," G. H. Brown, <i>Proc. I.R.E.</i> (January)	1954
3367b	"The Colorplexer—A Device for Multiplexing Color Television Signals in Accordance with the NTSC Signal Specifications," E. E. Gloystein and A. H. Turner, <i>Proc. I.R.E.</i> (January) ..	1954
3368	"Color Television—What it Means to the Broadcaster," J. H. Roe, <i>Broadcast News</i> (January-February)	1954
3369	"Converted Limousine Aids TV Pickup," L. Weiland, <i>Electronics</i> (January)	1954
3369a	"Delay Equalization in Color Television," G. L. Fredendall, <i>Proc. I.R.E.</i> (January)	1954
3369b	"Effect of Transmitter Characteristics on NTSC Color Television Signals," G. L. Fredendall and W. C. Morrison, <i>Proc. I.R.E.</i> (January)	1954
3369c	"Fast-Cycling Intermittent for 16 mm Film," W. R. Ison, <i>Jour. S.M.P.T.E.</i> (January)	1954
3369d	"Feedback from Output Transformer Tertiary," W. R. Ayres, <i>Audio</i> (January)	1954
3370	"How to Plan for Color," L. E. Anderson, <i>Broadcast News</i> (January-February)	1954
3370a	"Image Orthicons for Color Cameras," R. G. Neuhauser, A. A. Rotow, and F. S. Veith, <i>Proc. I.R.E.</i> (January)	1954
3370b	"Improvements in the RCA Three-Beam Shadow-Mask Color Kinescope," M. J. Grimes, A. C. Grimm, and J. F. Wilhelm, <i>Proc. I.R.E.</i> (January)	1954
3370c	"Improving the Transient Response of Television Receivers," J. Avins, B. Harris, and J. S. Horvath, <i>Proc. I.R.E.</i> (January)	1954
3371	"Mass Spectrometric Study of the Molecular Sublimation of Graphite," R. E. Honig, <i>Jour. Chem. Phys.</i> (January)	1954
3371a	"Mathematical Formulations of the NTSC Color Television Signal," G. H. Brown, <i>Proc. I.R.E.</i> (January)	1954
3372	"Metal-to-Ceramic Seals for Magnetron Waveguides," N. E. Pryslak, <i>Electronics</i> (January)	1954
3372a	"Methods of Verifying Adherence of the NTSC Color Signal Specifications," A. C. Luther, Jr., <i>Proc. I.R.E.</i> (January) ..	1954
3372b	"Narrow-Band Transmission of the NTSC Color Signal," J. G. Reddeck, <i>Proc. I.R.E.</i> (January)	1954
3373	"Power Transistors for Audio Output Circuits," L. J. Giacoletto, <i>Electronics</i> (January)	1954
3374	"RCA Color Camera. TK-40A," F. W. Millsbaugh, <i>Broadcast News</i> (January-February)	1954
3375	"RCA Color Film Camera, TK-25A," W. J. Poch, <i>Broadcast News</i> (January-February)	1954
3376	"The RCA Colorplexer," J. W. Wentworth, <i>Broadcast News</i> (January-February)	1954
3377	"RCA Color Slide Camera, TK-4A," W. E. Tucker and F. J. Janda, <i>Broadcast News</i> (January-February)	1954
3378	"RCA Color Sync Generator Equipment," A. H. Lind, <i>Broadcast News</i> (January-February)	1954
3379	"RCA Color TV Monitor, TM-10A," A. H. Lind, <i>Broadcast News</i> (January-February)	1954

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3380	"RCA Color Television System," J. W. Wentworth, <i>Broadcast News</i> (January-February)	1954
3381	"The Tangier Radio Relay System of RCA Communications, Inc.," C. G. Dietsch, <i>Transactions of the I.R.E. Professional Group on Communications Systems</i> (January)	1954
3382	"Television Transmitter Operation with Color Signals," T. M. Gluyas and N. J. Oman, <i>Broadcast News</i> (January-February)	1954
3383	"Test Equipment for Color Television," J. A. Bauer, <i>Broadcast News</i> (January-February)	1954
3383a	"Test Instruments for Color Television," W. C. Morrison and W. L. Behrend, <i>Proc. I.R.E.</i> (January)	1954
3383b	"A Versatile Approach to the Measurement of Amplitude Distortion in Color Television," J. A. Bauer, <i>Proc. I.R.E.</i> (January)	1954
3384	"Video Amplifiers in Color Signal Transmission," A. H. Lind, <i>Broadcast News</i> (January-February)	1954
3385	"The Electron-Voltaic Effect in p-n Junctions Induced by Beta-Particle Bombardment," P. Rappaport, <i>Phys. Rev.</i> (Letter to the Editor) (January 1)	1954
3386	"Radiation from CdS Crystals Generated by DC Electric Fields," R. W. Smith, <i>Phys. Rev.</i> (Letter to the Editor) (January 15)	1954
3387	"A System for Recording and Reproducing Television Signals by Means of Magnetic Tape," J. T. Fischer, J. G. Woodward, M. Artzt, J. A. Zenel, A. R. Morgan, W. D. Houghton, and H. F. Olson, <i>RCA Industry Service Laboratory Bulletin LB-937</i> (January 27)	1954
3388	"Accuracy and Speed on Shortwave Teleprinter Services," J. B. Moore, <i>Proceedings of the National Electronic Conference</i> (February)	1954
3388a	"Amplifier Bandwidth," W. R. Ayres, <i>Audio</i> (February)	1954
3389	"Effect of Temperature on Iron Powder Cores," G. Katz, <i>Electrical Manufacturing</i> (February)	1954
3389a	"Effective Permeability of Cylindrical Iron Cores," R. E. Lafferty, <i>Tele-Tech</i> (February)	1954
3389b	"Excitation of Zinc Oxide Phosphors by Low-Energy Electrons," R. E. Shrader and S. F. Kaisal, <i>Jour. Opt. Soc. Amer.</i> (February)	1954
3390	"Ferrites and Their Properties at Radio Frequencies," R. L. Harvey, <i>Proceedings of the National Electronic Conference</i> (February)	1954
3391	"Ferromagnetic Spinels with Rectangular Hysteresis Loops," I. J. Hegyi, <i>Jour. Appl. Phys.</i> (February)	1954
3391a	"A New Line of Hi-Fi Speakers," H. F. Olson and J. Preston, <i>Rad. and Tele. News</i> (February)	1954
3391b	"A P-N-P Triode Alloy-Junction Transistor for Radio-Frequency Amplification," C. W. Mueller and J. I. Pankove, <i>Proc. I.R.E.</i> (February)	1954
3392	"A Specimen Heater for Electron Diffraction," R. G. Picard and E. G. Dornfeld, <i>Rev. Sci. Instr.</i> (February)	1954
3392a	"Transistorized Ukulele," G. B. Herzog, <i>Radio-Electronics</i> (February)	1954
3393	"Vidicon Film-Reproduction Cameras," H. N. Kozanowski, <i>Jour. S.M.P.T.E.</i> (February)	1954
3394	"Vidicon for Film Pickup," R. G. Neuhauser, <i>Jour. S.M.P.T.E.</i> (February)	1954
3395	"X-Ray Noise Observation Using a Photoconductive Pickup Tube," A. D. Cope and A. Rose, <i>Jour. Appl. Phys.</i> (February)	1954
3396	"Design Monograms for Electroplating Fine Wire," J. Paull and M. E. Stangl, <i>Design News</i> (February 15 and March 15) ..	1954

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3397	"Audio Oscillator Uses New R-C Design," J. H. Owens, <i>Electronics</i> (March)	1954
3397a	"Behavior of Germanium-Junction Transistors at Elevated Temperatures and Power-Transistor Design," L. D. Armstrong and D. A. Jenny, <i>Proc. I.R.E.</i> (March)	1954
3398	"Ceramic-Metal Seals of the Tungsten-Iron Type," D. G. Burnside, <i>RCA Review</i> (March)	1954
3399	"A Demountable Vacuum System for Electron-Tube Development," T. M. Shrader, <i>RCA Review</i> (March)	1954
3400	"Design Consideration for FSK Circuits," W. Lyons, <i>Convention Record of the I.R.E., Part 8—Communications and Microwave</i> (March)	1954
3401	"Design Tables for Low- and High-Pass Filters for the Reduction of TVI," M. Seybold, <i>RCA Ham Tips</i> (March-April)	1954
3402	"Film-Pulled, Theater-Type, Magnetic Sound Reproducer for Use With Multitrack Films," J. D. Phyfe and C. E. Hittle, <i>Jour. S.M.P.T.E.</i> (March)	1954
3403	"Filter Using Coaxial Transmission Line as Elements," H. B. Yin and T. U. Foley, <i>RCA Review</i> (March)	1954
3404	"Flame Photometric Determination of Sodium and Potassium in Phosphors," S. B. Deal, <i>Analytical Chemistry</i> (March)	1954
3405	"High-Frequency Operation of P-Type Point-Contact Transistors," F. L. Hunter and B. N. Slade, <i>RCA Review</i> (March)	1954
3406	"Investigation of Ultra-High-Frequency Television Amplifier Tubes," W. Y. Pan, <i>RCA Review</i> (March)	1954
3407	"The New TF-12BH High-Gain Antenna," I. T. Newton, Jr. and H. H. Westcott, <i>Broadcast News</i> (March-April)	1954
3408	"Portable 16mm Arc Projector Adapted for 3-D Projection," J. J. Hoehn, A. J. Cardile, and R. A. Woods, <i>Jour. S.M.P.T.E.</i> (March)	1954
3409	"RCA Develops New UHF Television Waveguide," O. E. Wagner, <i>Broadcast News</i> (March-April)	1954
3410	"Recrystallization of Germanium from Indium Solution," J. I. Pankove, <i>RCA Review</i> (March)	1954
3411	"Sensitivity of Microphones to Stray Magnetic Fields," L. J. Anderson, <i>Broadcast News</i> (March-April)	1954
3412	"Simple 'Degaussing' Procedure Protects Magnetic Tracks," E. Stanko, <i>Inter. Project.</i> (March)	1954
3413	"Space-Charge-Wave Amplification Along an Electron Beam by Periodic Change of the Beam Impedance," R. W. Peter, S. Bloom, and J. A. Ruetz, <i>RCA Review</i> (March)	1954
3413a	"Stereophonic Tests," J. Cunningham, <i>Audio</i> (Letter to the Editor) (March)	1954
3414	"Survey of Transistor Development," B. N. Slade, <i>Broadcast News</i> (March-April)	1954
3415	"A Symmetrical Transistor Phase Detector for Horizontal Synchronization," B. Harris and A. Macovski, <i>RCA Review</i> (March)	1954
3416	"A System for Recording and Reproducing Television Signals," H. F. Olson, W. D. Houghton, A. R. Morgan, J. Zenel, M. Artzt, J. G. Woodward, and J. T. Fischer, <i>RCA Review</i> (March)	1954
3417	"Television Lighting Routines," W. R. Ahern, <i>Jour. S.M.P.T.E.</i> (March)	1954
3417a	"Transient Response of Audio Amplifiers," W. R. Ayers, <i>Audio</i> (March)	1954
3417b	"The Transistor as a Mixer," J. Zawels, <i>Proc. I.R.E.</i> (March)	1954
3417c	"Transistor Code Practice Oscillator," A. L. Cleland, <i>Radio-Electronics</i> (March)	1954
3418	"Transmission-Line Analog of a Modulated Electron Beam," S. Bloom and R. W. Peter, <i>RCA Review</i> (March)	1954

No.		Year
3419	"Use of Point-Contact Transistors in Switching Service," <i>RCA Application Note AN-160</i> , Tube Division, Radio Corporation of America, Harrison, N. J. (March)	1954
3420	"Vidicon Film Cameras," H. N. Kozanowski, <i>Broadcast News</i> (March-April)	1954
3421	"The Tacitron, A Low-Noise Thyatron Capable of Current Interruption by Grid Action," J. A. Olmstead, W. M. Webster, and E. O. Johnson, <i>RCA Industry Service Laboratory Bulletin LB-939</i> (March 12)	1954
3422	"Calculation of the Energy Band Structures of the Diamond and Germanium Crystals by the Method of Orthogonalized Plane Waves," F. Herman, <i>Phys. Rev.</i> (March 15)	1954
3423	"High-Frequency Operation of P-Type Point-Contact Transistors," F. L. Hunter and B. N. Slade, <i>RCA Industry Service Laboratory Bulletin LB-940</i> (March 15)	1954
3423a	"Microwave Systems in Railroading," L. G. Sands, <i>Radio-Electronic Engineering</i> (April)	1954
3423b	"Microwaves for Mobile Service," M. G. Staton, <i>Radio-Electronic Engineering</i> (April)	1954
3424	"New Advances in the Junction Transistor," E. W. Herold, <i>British Journal of Applied Physics</i> (April)	1954
3425	"New Manganese-Activated Fluoride Phosphors," A. L. Smith, <i>Jour. Electrochem. Soc.</i> (April)	1954
3426	"Resistivity Striations in Germanium Crystals," P. R. Camp, <i>Jour. Appl. Phys.</i> (April)	1954
3427	"Transistor Equations Using h-Parameters," C. C. Cheng, <i>Electronics</i> (April)	1954
3427a	"TV Booster for U.H.F.," J. R. Lange, <i>Rad. and Tele. News</i> (April)	1954
3428	"A Switched-Zone Furnace for Germanium Purification," P. G. Herkart and S. M. Christian, <i>RCA Industry Service Laboratory Bulletin LB-941</i> (April 1)	1954
3429	"A New System of Measuring and Specifying Image Definition," O. H. Schade, <i>National Bureau of Standards Circular 526</i> (April 29)	1954
3430	"Coining Cuts Costs of Magnetron Anodes," L. J. Caprarola, <i>Electronics</i> (May)	1954
3431	"Evacuating Photographic Materials for Use in Electron Optical Apparatus," J. H. Reisner, <i>Rev. Sci. Instr.</i> (May) ..	1954
3432	"Luminescence of the System $Zn_2(PO_4)_2 - Cd_2(PO_4)_2 : Mn$," A. L. Smith and A. D. Power, <i>Journal of the Electrochemical Society</i> (May)	1954
3433	"Microscope Controls Production," F. J. Herrmann, <i>Electronic Equipment</i> (May)	1954
3434	"New 12½-KW UHF Filterplexer," R. L. Meisenheimer, <i>Broadcast News</i> (May-June)	1954
3435	"Output Windows for Tunable Magnetrons," T. S. Chen, <i>Electronics</i> (May)	1954
3436	"RCA's Versatile New Switcher," C. R. Monroe, <i>Broadcast News</i> (May-June)	1954
3437	"Transistor Gun for TV," R. E. Lafferty, <i>Electronics</i> (May) ..	1954
3437a	"Using the D.C. Scope to Measure Amplitude Modulation," R. M. Cohen and J. H. Owens, <i>Rad. and Tele. News</i> (May) ..	1954
3438	"3-Vidicon Color Film Camera," H. N. Kozanowski, <i>Broadcast News</i> (May-June)	1954
3439	"The Complete Specification of a Network by a Single Parameter," R. W. Sonnenfeldt, T. Murakami, and M. S. Corrington, <i>RCA Industry Service Laboratory Bulletin LB-943</i> (May 10)	1954
3440	"A Bridge for the Measurement of Cathode Impedance," R. M. Matheson and L. S. Nergaard, <i>RCA Industry Service Laboratory Bulletin LB-945</i> (May 11)	1954

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3441	"Factors in the Design of Keyed Clamping Circuits," R. N. Rhodes, <i>RCA Industry Service Laboratory Bulletin LB-946</i> (May 11)	1954
3442	"Studies of the Interface Layer in Oxide Cathodes," R. M. Matheson and L. S. Nergaard, <i>RCA Industry Service Laboratory Bulletin LB-944</i> (May 11)	1954
3443	"A Study of the Etching Rate of Germanium," P. R. Camp, <i>RCA Industry Service Laboratory Bulletin LB-947</i> (May 13)	1954
3444	"Microscopic Examination of Germanium Crystals and Transistors," S. G. Ellis, <i>RCA Industry Service Laboratory Bulletin LB-948</i> (May 17)	1954
3445	"Some Properties of Germanium-Silicon Alloy Semiconductors," E. R. Johnson and S. M. Christian, <i>RCA Industry Service Laboratory Bulletin LB-949</i> (May 17)	1954
3446	"The Design of IF Amplifiers for Color Television Receivers," M. D. Nelson and J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-950</i> (May 20)	1954
3447	"Color Subcarrier Frequency Measurement Equipment," P. T. Martin, <i>RCA Industry Service Laboratory Bulletin LB-951</i> (May 24)	1954
3448	"Optimum Performance of Image Orthicons and Vidicons in Broadcast Service," R. G. Neuhauser, <i>Tube Division, Radio Corporation of America, Harrison, N. J.</i> (May 27)	1954
3449	"Aircraft Receiver for VOR-ILS and Communications," G. W. Gray, <i>Electronics</i> (June)	1954
3450	"Application of Brewster's Angle to the Design of Coaxial-Line Components for Microwaves," B. A. Dahlman, <i>RCA Review</i> (June)	1954
3451	"Broadbanding of Resonant-Type Microwave Output Windows," T. S. Chen, <i>RCA Review</i> (June)	1954
3451a	"Comparison Methods for Determining Voltage Standing-Wave Ratios," J. F. Sterner, <i>Rad. and Tele. News</i> (June)	1954
3452	"Design Considerations for Frequency-Shift-Keyed Circuits," W. Lyons, <i>RCA Review</i> (June)	1954
3453	"The Effect of Junction Shape and Surface Recombination on Transistor Current Gain," A. R. Moore and J. I. Pankove, <i>Proc. I.R.E.</i> (June)	1954
3453a	"Ferrite Characteristics at Radio Frequencies," R. L. Harvey, <i>Tele-Tech</i> (June)	1954
3454	"The Metrechon—A Halftone-Picture Storage Tube," L. Pensak, <i>RCA Review</i> (June)	1954
3455	"A Minimum Noise Figure for the Traveling-Wave Tube," S. Bloom and R. W. Peter, <i>RCA Review</i> (June)	1954
3455a	"New 35 mm Single-Film-System Kinescope Recording Camera," R. M. Fraser, <i>Jour. S.M.P.T.E.</i> (June)	1954
3456	"On the Variation of Junction-Transistor Current-Amplification Factor with Emitter Current," W. M. Webster, <i>Proc. I.R.E.</i> (June)	1954
3457	"Operation of International Commercial Radiophoto Circuits," M. P. Rehm, <i>1954 I.R.E. Convention Record</i> (June)	1954
3458	"Synthesis of Constant-Time-Delay Networks," M. S. Corrington and R. W. Sonnenfeldt, <i>RCA Review</i> (June)	1954
3459	"Synthetic-Pattern Generator for the Solution of Certain Instrumentation Problems in Television," R. C. Webb, <i>RCA Review</i> (June)	1954
3459a	"A Transformerless 25-Watt Amplifier for Conventional Loudspeakers," D. P. Dickie and A. Macovski, <i>Audio</i> (June)	1954
3459b	"The Bewildering Decibel," J. B. Moore, <i>Elec. Eng.</i> (Letter to the Editor) (July)	1954
3460	"Color Stripe Added to Stations Monochrome Signal," E. E. Gloystein, <i>Broadcast News</i> (July-August)	1954

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3461	"Commercial Aspects of UHF Booster Operation," L. W. Haeseler, N. McNaughten, and L. J. Wolf, <i>Broadcast News</i> (July-August)	1954
3462	"Compact Three-Set Color Studio," M. G. Moon, <i>Broadcast News</i> (July-August)	1954
3463	"Components for Pi-Coupled Amplifiers," M. Seybold, <i>RCA Ham Tips</i> (July-August)	1954
3463a	"A Developmental Medium-Power Traveling-Wave Tube for Relay Service in the 2,000-Megacycle Region," W. W. Siekanowicz, <i>Proc. I.R.E.</i> (July)	1954
3464	"Engineering Aspects of UHF Booster Installation," J. Epstein, W. C. Morrison, and O. M. Woodward, Jr., <i>Broadcast News</i> (July-August)	1954
3464a	"An Experimental Transistor Personal Broadcast Receiver," L. E. Barton, <i>Proc. I.R.E.</i> (July)	1954
3465	"Plating Applications in the Television Field," L. Fox, <i>Plating</i> (July)	1954
3465a	"Production Studio Multiple-Stage Design," D. J. Bloomberg, J. E. Pond, and M. Rettinger, <i>Jour. S.M.P.T.E.</i> (July)	1954
3465b	"Synchronized Recordings on Perforated Tape," W. R. Isom, <i>Jour. S.M.P.T.E.</i> (July)	1954
3466	"Transmitter Relay Control Systems," R. M. Crotinger, <i>Broadcast News</i> (July-August)	1954
3467	"The Effective Surface Recombination of a Germanium Surface with a Floating Barrier," A. R. Moore and W. M. Webster, <i>RCA Industry Service Laboratory Bulletin LB-953</i> (July 2)	1954
3468	"A Silicon N-P-N Junction Transistor by the Alloy Process," H. Nelson, <i>RCA Industry Service Laboratory Bulletin LB-952</i> (July 2)	1954
3469	"Comparison of Various Approximate Exchange Potentials," F. Herman, J. Callaway, and F. S. Acton, <i>Phys. Rev.</i> (July 15)	1954
3470	"Some Properties of Germanium-Silicon Alloys," E. R. Johnson and S. M. Christian, <i>Phys. Rev.</i> (Letter to the Editor) (July 15)	1954
3470a	"Color Television Light Sources," H. M. Gurin, <i>Jour. S.M.P.T.E.</i> (August)	1954
3471	"An Exploration of the Effects of Strong Radio-Frequency Fields on Micro-Organisms in Aqueous Solutions," G. H. Brown and W. C. Morrison, <i>Food Technology</i> (August) ...	1954
3472	"Increased Light Sensitivity from Standard Gas Phototubes," E. O. Johnson, <i>Rev. Sci. Instr.</i> (August)	1954
3472a	"The RCA Model SV-1 Preamp," L. A. Wortman, <i>Rad. and Tele. News</i> (August)	1954
3473	"Sound Diffusion in Rooms," M. Rettinger, <i>Audio</i> (August) ..	1954
3474	"Stereophonic Listener Tests," J. Cunningham and R. O. Jordan, <i>Audio</i> (August)	1954
3475	"Speculations on the Energy Band Structure of Ge-Si Alloys," F. Herman, <i>Phys. Rev.</i> (Letter to the Editor) (August 1) ..	1954
3476	"Saturation Current in Alloy Junctions," W. M. Webster, <i>RCA Industry Service Laboratory Bulletin LB-956</i> (August 12) ..	1954
3477	"A Developmental Pocket-Size Broadcast Receiver Employing Transistors," L. A. Freedman, T. O. Stanley, and D. D. Holmes, <i>RCA Industry Service Laboratory Bulletin LB-957</i> (August 23)	1954
3478	"An Experimental Automobile Receiver Employing Transistors," D. D. Holmes, T. O. Stanley and L. A. Freedman, <i>RCA Industry Service Laboratory Bulletin LB-958</i> (August 23) ..	1954
3479	"Circular Polarization in Waveguides and Cavities," R. W. Klopfenstein, <i>RCA Review</i> (September)	1954

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3480	"The Complete Specification of a Network by a Single Parameter," M. S. Corrington, T. Murakami, and R. W. Sonnenfeldt, <i>RCA Review</i> (September)	1954
3480a	"Cross-Modulation Compensator," K. Singer and R. V. McKie, <i>Jour. S.M.P.T.E.</i> (September)	1954
3481	"The CT-100 Commercial Color Television Receiver," L. R. Kirkwood and A. J. Torre, <i>RCA Review</i> (September)	1954
3482	"Damping of Loudspeaker Cabinet Panels," M. Rettinger, <i>Audio</i> (September)	1954
3483	"Electron Microscopy of Ultra-Thin Sections of Insect Flight Muscle," G. B. Chapman, <i>Journal of Morphology</i> (September)	1954
3484	"Facsimile Scanning by Cathode-Ray Tube," W. H. Bliss and C. J. Young, <i>RCA Review</i> (September)	1954
3485	"Factors in the Design of Keyed Clamping Circuits," R. N. Rhodes, <i>RCA Review</i> (September)	1954
3486	"Formation of Single Crystal Silicon Fibers," E. R. Johnson and J. A. Amick, <i>Jour. Appl. Phys.</i> (Letter to the Editor) (September)	1954
3487	"Importance of Thermal Equilibrium in Measurements on Powdered Insulators in Vacuo," R. H. Bube and R. E. Shrader, <i>Rev. Sci. Instr.</i> (Letter to the Editor) (September)	1954
3488	"An Investigation of the Ultimate Performance of Space-Charge Deflection Tubes," J. T. Wallmark, <i>Proc. I.R.E.</i> (September)	1954
3488a	"Lattice Vibrational Spectrum of Imperfect Crystals," K. F. Stripp and J. G. Kirkwood, <i>Jour. Chem. Phys.</i> (September)	1954
3489	"Microwave Link for Worldwide Communication," C. H. Backus and S. Lapenson, <i>Radio-Electronic Engineering</i> (September)	1954
3490	"Monochrome Vidicon Film Camera," W. L. Hurford and R. J. Marian, <i>RCA Review</i> (September)	1954
3491	"On the Heats of Sublimation and Evaporation of Germanium," R. E. Honig, <i>Jour. Chem. Phys.</i> (Letter to the Editor) (September)	1954
3492	"Polarographic Determination of Zinc in Gold," S. B. Deal, <i>Analytical Chemistry</i> (September)	1954
3493	"Pulsed Curve Tracer for Semiconductor Testing," J. I. Panakove, <i>Electronics</i> (September)	1954
3494	"A Review of Twenty-Five Years of Sound Reproduction," H. F. Olson, <i>Jour. Acous. Soc. Amer.</i> (September)	1954
3495	"Studies of the Interface Layer in Oxide Cathodes," L. S. Nergaard and R. M. Matheson, <i>RCA Review</i> (September)	1954
3496	"Sublimation Studies of Silicon in the Mass Spectrometer," R. E. Honig, <i>Jour. Chem. Phys.</i> (Letter to the Editor) (September)	1954
3497	"The Tacitron, A Low Noise Thyatron Capable of Current Interruption by Grid Action," E. O. Johnson, J. Olmstead, and W. M. Webster, <i>Proc. I.R.E.</i> (September)	1954
3498	"Television Transmitter Considerations in Color Broadcasting," T. M. Gluyas, Jr., <i>RCA Review</i> (September)	1954
3498a	"Tunable CW Magnetron Designed for UHF," D. E. Nelson, <i>Tele-Tech</i> (September)	1954
3499	"An Analysis of the Bifilar-T Trap Circuit," B. Fisher and J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-961</i> (September 16)	1954
3500	"A Convergence Circuit for the RCA Developmental 21-Inch Color Kinescope," M. D. Nelson, <i>RCA Industry Service Laboratory Bulletin LB-960</i> (September 16)	1954
3501	"High-Level Triode Color Demodulator," A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-959</i> (September 16)	1954
3502	"A Simplified High-Performance 21-Inch Developmental Color Television Receiver," <i>RCA Industry Service Laboratory Bulletin LB-962</i> (September 16)	1954

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3503	"Comparative High-Frequency Operation of Junction Transistors Made of Different Semiconductor Materials," L. J. Giaconetto, <i>RCA Industry Service Laboratory Bulletin LB-963</i> (September 24)	1954
3504	"Characteristics of a Transmission Control Viewing Storage Tube with Halftone Display," M. Knoll, H. O. Hook, and R. P. Stone, <i>Proc. I.R.E.</i> (October)	1954
3505	"Citizens Radio," H. B. Scott and L. G. Sands, <i>Radio-Electronic Engineering</i> (October)	1954
3505a	"The Decilog," J. B. Moore, <i>Elec. Eng.</i> (Letter to the Editor) (October)	1954
3507	"Determination of Surface Zinc Oxide on Zinc Sulfide Phosphors," S. Larach and S. M. Thomsen, <i>Analytical Chemistry</i> (October)	1954
3508	"Photoconductivity," A. Rose, <i>L'Onde Electrique</i> (October) ...	1954
3508a	"Plastics for Dual Purpose Gear Materials," M. R. Alexy, <i>Electrical Manufacturing</i> (October)	1954
3508b	"Recent Developments in Direct-Radiator High-Fidelity Loudspeakers," H. F. Olson, J. Preston, and E. G. May, <i>Journal of the Audio Engineering Society</i> (October)	1954
3509	"Shielding and Potting," S. J. Burruano, E. F. Bailey, and S. Cramer, <i>Electronics</i> (October)	1954
3510	"Investigations of Noise in Audio Frequency Amplifiers Using Junction Transistors," M. B. Herscher and P. L. Bargellini, <i>RCA Industry Service Laboratory Bulletin LB-964</i> (October 1)	1954
3510a	"Adventures in Calculus," M. S. Corrington, <i>Proc. I.R.E.</i> (November)	1954
3510b	"Calculating the Impedance of Co-Axial Lines," E. B. Herman, <i>Tele-Tech</i> (November)	1954
3511	"Color Test Techniques for TV Broadcasters," J. W. Wentworth, <i>Electronics</i> (November)	1954
3512	"Microwave Applications of Gas Discharges," F. R. Arams, <i>Electronics</i> (November)	1954
3513	"Transmitter Space Diversity Applied to Shipboard Reception," G. E. Hansell, <i>Transactions of the I.R.E. Professional Group on Communication Systems</i> (November)	1954
3514	"Magnetic Anisotropy Constants of Ferromagnetic Spinel," R. S. Weisz, <i>Phys. Rev.</i> (Letter to the Editor) (November 1)	1954
3515	"A Bridge for the Measurement of Cathode Impedance," R. M. Matheson and L. S. Nergaard, <i>RCA Review</i> (December) ..	1954
3516	"Cable Equalization for Television Studio Circuits," R. C. Kennedy, <i>RCA Review</i> (December)	1954
3517	"Comment on 'Ages of Creativeness of Electronic Engineers,'" E. A. Laport, <i>Proc. I.R.E.</i> (Letter to the Editor) (December) ..	1954
3518	"Determination of Typical Operating Conditions for RCA Tubes Used as Linear RF Power Amplifiers," A. P. Sweet, <i>RCA Ham Tips</i> (December)	1954
3519	"'Electrofax' — Direct Electrophotographic Printing on Paper," C. J. Young and H. G. Greig, <i>RCA Review</i> (December)	1954
3520	"Experimental Closed-Circuit Television," R. G. Neuhauser, <i>Electronic Equipment</i> (December)	1954
3521	"Improvement of Base Adherence on Electron Tubes," A. M. Seybold, <i>Ceramic Age</i> (December)	1954
3522	"Observed Diurnal Variations in Frequencies and Signal Qualities between New York and Central Europe," J. H. Nelson, <i>RCA Review</i> (December)	1954
3523	"Photoconductivity and Crystal Imperfections in Cadmium Sulfide Crystals," R. H. Bube and S. M. Thomsen, <i>Jour. Chem. Phys.</i> (December)	1954

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3524	"Practical Considerations in the Design of Low-Microphonic Tubes," T. M. Cunningham, <i>RCA Review</i> (December)	1954
3525	"Sine-Squared Pulses Test Color-TV Systems," R. C. Kennedy, <i>Electronics</i> (December)	1954
3526	"Study of P-N-P Alloy Junction Transistor from D-C through Medium Frequencies," L. J. Giacoletto, <i>RCA Review</i> (December)	1954
3527	"TG-2A Studio Sync Generator," A. C. Luther, Jr., <i>Broadcast News</i> (December)	1954
3528	"The Traveling-Wave Tube," S. Bloom, <i>Yale Scientific Magazine</i> (December)	1954
3529	"U.H.F. and V.H.F. Antenna," R. F. Kolar, <i>Radio-Electronics</i> (December)	1954
3529a	"The Years Ahead," C. W. Hansell, <i>Tele-Tech</i> (Letter to the Editor) (December)	1954
3530	"Semiconducting Cadmium Telluride," D. A. Jenny and R. H. Bube, <i>Phys. Rev.</i> (December 1)	1954
3530a	"A Comparison of Analogous Semiconductor and Gaseous Electronic Devices," W. M. Webster, <i>Advances in Electronics and Electron Physics</i> , Vol. VI	1954
3531	"Direct View Storage Tube," M. Knoll and P. Rudnick, <i>National Bureau of Standards Circular 527</i>	1954
3532	"Electron-Lens Raster Systems," M. Knoll, <i>National Bureau of Standards Circular 527</i>	1954
3533	"Experimental Study of Limits Imposed by Plural Scattering in Electron-Diffraction Studies," S. G. Ellis, <i>National Bureau of Standards Circular 527</i>	1954
3534	"The Solid State," R. H. Bube, H. W. Leverenz, and F. Herman, <i>Annual Review of Physical Chemistry</i> , Vol. 5	1954
3535	"Some Recent Developments in the Calculation of Crystal Energy Bands—New Results for the Germanium Crystal," F. Herman, <i>Physica XX</i>	1954
3536	"Beam Focusing by Periodic and Complementary Fields," K. K. N. Chang, <i>Proc. I.R.E.</i> (January)	1955
3537	"Color Servicing," W. W. Cook and C. E. Lasswell, <i>Radio-Electronics</i> (January)	1955
3538	"Correlation of Transient Measurements on Loudspeakers with Listening Tests," M. S. Corrington, <i>Journal of the Audio Engineering Society</i> (January)	1955
3539	"Direct Titration Method for Determination of Barium," S. B. Deal, <i>Analytical Chemistry</i> (January)	1955
3540	"Nomographs for Rectangular Waveguides," T. S. Chen, <i>Electronics</i> (January)	1955
3541	"Photoconductivity and Crystal Imperfections in Cadmium Sulfide Crystals. Part I. Effect of Impurities," R. H. Bube and S. M. Thomsen, <i>Jour. Chem. Phys.</i> (January)	1955
3542	"Photoconductivity and Crystal Imperfections in Cadmium Sulfide Crystals. Part II. Determination of Characteristic Photoconductivity Quantities," R. H. Bube, <i>Jour. Chem. Phys.</i> (January)	1955
3543	"Polarographic Determination of Cadmium and Zinc in Zinc-Sulfide-Cadmium Sulfide Phosphors," S. B. Deal, <i>Analytical Chemistry</i> (January)	1955
3544	"Pole Mount Microwave Station," P. A. Greenmeyer, <i>Radio-Electronic Engineering</i> (January)	1955
3545	"Television and Electronics," D. Sarnoff, <i>Radio-Electronics</i> (January)	1955
3546	"Transistorized Portable Receiver," G. B. Herzog and R. D. Lohman, <i>Radio-Electronics</i> (January)	1955
3547	"Traveling-Wave Tube System Having Multiplied Gain," F. R. Arams, <i>Proc. I.R.E.</i> (January) (Letter to the Editor)	1955

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3548	"A UHF-VHF Tuner Using Pencil Tubes," Walter A. Harris and J. J. Thompson, <i>I.R.E. Transactions BTR</i> (January) ..	1955
3549	"Ground State of Impurity Atoms in Semiconductors Having Anisotropic Energy Surfaces," M. A. Lampert, <i>Phys. Rev.</i> (January 15)	1955
3550	"Recombination Processes in Insulators and Semiconductors," A. Rose, <i>Phys. Rev.</i> (January 15)	1955
3551	"The Variation of Current Gain with Junction Shape and Surface Recombination in Alloy Transistors, Part II," K. F. Stripp and A. R. Moore, <i>RCA Industry Service Laboratory Bulletin LB-966</i> (January 17)	1955
3552	"Large-Area High-Current Photoconductive Cells Using Cadmium Sulfide Powder," S. M. Thomsen, B. Kazan, and F. H. Nicoll, <i>RCA Industry Service Laboratory Bulletin LB-967</i> (January 19)	1955
3553	"Selectivity and Transient Response Synthesis," R. W. Sonnenfeldt, <i>RCA Industry Service Laboratory Bulletin LB-968</i> (January 24)	1955
3554	"Color Equipment Planning," L. E. Anderson, <i>Broadcast News</i> (February)	1955
3555	"The Effect of Superposing a Small Alternating Excitation on the Steady Excitation of a Luminescent Material," K. F. Stripp and R. H. Bube, <i>Jour. Appl. Phys.</i> (February) (Letter to the Editor)	1955
3556	"How to Plan for Color Television Broadcasting—Part I," L. E. Anderson and W. O. Hadlock, <i>Tele-Tech</i> (February)	1955
3557	"Pattern Measurements of RCA UHF TV Antennas," E. H. Shively and L. D. Wetzel, <i>Broadcast News</i> (February)	1955
3558	"Reduction of Spurious Signals in Image Orthicon Cameras," A. A. Rotow, <i>Broadcast News</i> (February)	1955
3559	"Semiconductors and the Transistor," E. W. Herold, <i>Jour. Frank. Inst.</i> (February)	1955
3560	"TS-11A Switcher Offers New 'Preview' and 'Rehearsal' Features," C. R. Monro, <i>Broadcast News</i> (February)	1955
3561	"Wide Screens in Drive-in Theaters," R. H. Heacock, <i>Jour. S.M.P.T.E.</i> (February)	1955
3562	"Wind Velocity and its Effect on Transmitting Antennas and Towers," D. W. Balmer, <i>Broadcast News</i> (February)	1955
3563	"Energy Levels of a Disordered Alloy," R. H. Parmenter, <i>Phys. Rev.</i> (February 1)	1955
3564	"A New Method for Magnifying Electron Beam Images," W. R. Beam, <i>RCA Industry Service Laboratory Bulletin LB-970</i> (February 17)	1955
3565	"Methods for Revealing P-N Junctions and Inhomogeneities in Germanium Crystals," J. I. Pankove, <i>RCA Industry Service Laboratory Bulletin LB-971</i> (February 18)	1955
3566	"Calculation of Radiant Photoelectric Sensitivity from Luminous Sensitivity," R. W. Engstrom, <i>RCA Review</i> (March) ..	1955
3567	"Color Television," V. K. Zworykin, <i>Electronique</i> (France) (March-April)	1955
3568	"Comparative High-Frequency Operation of Junction Transistors Made of Different Semiconductor Materials," L. J. Giacoletto, <i>RCA Review</i> (March)	1955
3569	"Decilog," J. B. Moore, <i>Elec. Eng.</i> (March) (Letter to Editor)	1955
3570	"Deflection and Convergence of the 21-Inch Tri-Color Kinescope," M. J. Obert, <i>RCA Review</i> (March)	1955
3571	"Delayed Collector Conduction, a New Effect in Junction Transistors," M. C. Kidd, W. Hasenberg, and W. M. Webster, <i>RCA Review</i> (March)	1955
3572	"Development of a 21-Inch Metal-Envelope Color Kinescope," H. R. Seelen, H. C. Moody, D. D. Van Ormer, and A. M. Morrell, <i>RCA Review</i> (March)	1955

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3573	"An Electron Tube for High-Speed Teleprinting," W. H. Bliss and J. E. Ruedy, <i>RCA Review</i> (March)	1955
3574	"Equipment for Evaluating Lenses of Television Systems," E. Hutto, Jr., <i>Jour. S.M.P.T.E.</i> (March)	1955
3575	"Evaluation of High-Fidelity Phono Pickups," J. M. Salani, <i>Audio</i> (March)	1955
3576	"A Fifteen-Kilovolt Beam Power Tube for UHF Service," W. P. Bennett, <i>I.R.E. Transactions BTS</i> (March)	1955
3577	"How to Plan for Color Television Broadcasting—Part II," L. E. Anderson and W. O. Hadlock, <i>Tele-Tech</i> (March)....	1955
3578	"On the Measurement of the Average Time Delay in Secondary Emission," M. H. Greenblatt, <i>RCA Review</i> (March)	1955
3579	"National Television Servicemen's Week," D. Y. Smith, <i>Rad. and Tele. News</i> (March)	1955
3580	"New Developments in Electronics," D. Sarnoff, <i>Elec. Eng.</i> (March)	1955
3581	"New TV and Radio Test Equipment," R. Samuel, <i>Rad. and Tele. News</i> (March)	1955
3582	"Optimum Design of Periodic Magnet Structures for Electron Beam Focusing," K. K. N. Chang, <i>RCA Review</i> (March) ..	1955
3583	"A Phase Rotation Single-Sideband Generating System," J. R. Hall, <i>RCA Review</i> (March)	1955
3584	"Reliability Starts at the Materials Level," C. Eddison, <i>Electrical Manufacturing</i> (March)	1955
3585	"A Sandwich-Type Metal-to-Ceramic Vacuum-Tight Seal," N. E. Pryslak, <i>Ceramic Age</i> (March)	1955
3586	"Saturation Current in Alloy Junctions," W. M. Webster, <i>Proc. I.R.E.</i> (March)	1955
3587	"Staple Problem," J. Pastor, Jr., <i>Electronics</i> (March) (Letter to the Editor)	1955
3588	"Studies of Externally Heated Hot Cathode Arcs," E. O. Johnson and W. M. Webster, <i>RCA Review</i> (March)	1955
3589	"Studio Amplifier Design for Color Television," J. O. Schroeder, <i>Electronics</i> (March)	1955
3590	"Variation of the Conductivity of the Semitransparent Cesium-Antimony Photocathode," W. Widmaier and R. W. Engstrom, <i>RCA Review</i> (March)	1955
3591	"Technique for Fabricating Small Cylindrical Grids of Novel Design for Use in Pencil Tubes," H. J. Ackerman, <i>RCA Industry Service Laboratory Bulletin LB-973</i> (March 4) ..	1955
3592	"Unusual Assembly Methods Used in Developing a New Thyatron," N. R. Goldstein, <i>RCA Industry Service Laboratory Bulletin LB-972</i> (March 4)	1955
3593	"Properties of Ohmic Contacts to Cadmium Sulfide Single Crystals," R. W. Smith, <i>Phys. Rev.</i> (March 15)	1955
3594	"Space-Charge-Limited Currents in Single Crystals of Cadmium Sulfide," R. W. Smith and A. Rose, <i>Phys. Rev.</i> (March 15) ..	1955
3595	"Space-Charge-Limited Currents in Solids," A. Rose, <i>Phys. Rev.</i> (March 15)	1955
3596	"Class B Operation of Audio-Frequency Junction Transistors," K. E. Loofbourrow, <i>RCA Industry Service Laboratory Bulletin LB-975</i> (March 25)	1955
3597	"Transistorized Sync Separator Circuits for Television Receivers," H. C. Goodrich, <i>RCA Industry Service Laboratory Bulletin LB-974</i> (March 25)	1955
3598	"Behind the Phosphor Curtain—A Glimpse of Television Picture Tubes and Color," H. C. Moodey, <i>Smith Alumnae Quarterly</i> (Spring)	1955
3599	"Additional Nomographs for Significance Tests," C. H. Li, <i>ASTM Bulletin No. 205</i> (April)	1955

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3600	"Development of the RCA 21-Inch Metal-Envelope Color Kinescope," H. R. Seelen, H. C. Moodey, D. D. Van Ormer, and A. M. Morrell, <i>Elec. Eng.</i> (April)	1955
3601	"The Effective Surface Recombination of a Germanium Surface with a Floating Barrier," A. R. Moore and W. M. Webster, <i>Proc. I.R.E.</i> (April)	1955
3602	"First Microwave System for 2450-2700 Mc.," P. A. Greenmeyer and S. Lapenson, <i>Radio-Electronic Engineering</i> (April) ...	1955
3603	"High-Power UHF-TV Uses Grid-Control Tube," L. L. Koros, <i>Electronics</i> (April)	1955
3604	"How to Plan for Color Television Broadcasting — Part III," L. E. Anderson and W. O. Hadlock, <i>Tele-Tech</i> (April)	1955
3605	"Large-Screen Color-Television Projection," L. L. Evans and R. V. Little, Jr., <i>Jour. S.M.P.T.E.</i> (April)	1955
3606	"Magnetic Head Wear Investigation," M. Rettinger, <i>Jour. S.M.P.T.E.</i> (April)	1955
3607	"Measurement of Minority Carrier Lifetime and Surface Effects in Junction Devices," S. R. Lederhandler and L. J. Gia-coletto, <i>Proc. I.R.E.</i> (April)	1955
3608	"On the Possibility of Amplification in Space-Charge-Potential-Depressed Electron Streams," W. R. Beam, <i>Proc. I.R.E.</i> (April)	1955
3609	"Re 'Low-Impedance Transmission Lines,'" W. C. Morrison, <i>QST</i> (April) (Letter to the Editor)	1955
3610	"Russian Vacuum-Tube Terminology," I. G. Maloff, <i>Proc. I.R.E.</i> (April) (Letter to the Editor)	1955
3611	"Subjective Loudspeaker Testing," H. F. Olson, <i>Proceedings of the Institution of Radio Engineers Australia</i> (April)	1955
3611a	"Trapping Phenomena in Solids," R. H. Bube, <i>Scientia</i> (Italy) (April)	1955
3612	"What the Engineer Has Meant to Communication," E. W. Engstrom, <i>Elec. Eng.</i> (April)	1955
3613	"Wider Screens in Drive-Ins," R. H. Heacock, <i>International Projectionist</i> (April)	1955
3614	"An Immittance Chart," H. M. Wasson, <i>RCA Industry Service Laboratory Bulletin LB-976</i> (April 6)	1955
3615	"Measurement of Shot Noise in CdS Crystals," C. I. Shulman, <i>Phys. Rev.</i> (April 15)	1955
3616	"Temperature Dependence of the Width of the Band Gap in Several Photoconductors," R. H. Bube, <i>Phys. Rev.</i> (April 15)	1955
3617	"The BK-5A Uniaxial Microphone," J. W. O'Neill and R. M. Carrell, <i>Broadcast News</i> (May)	1955
3618	"The BK-6A Microphone," L. M. Wigington and R. M. Carrell, <i>Broadcast News</i> (May)	1955
3619	"Designing 2,000-Mc Components for Communications," N. C. Colby, <i>Electronics</i> (May)	1955
3620	"Electronic Music Synthesizer," H. F. Olson and H. Belar, <i>Jour. Acous. Soc. Amer.</i> (May)	1955
3621	"How to Make an 'Illuminant C' Grey Scale Monitor," E. P. Bertero, <i>Broadcast News</i> (May)	1955
3622	"The Measurement of Wind Noise in Microphones," R. M. Carrell, <i>Broadcast News</i> (May)	1955
3623	"New Distribution Amplifiers for Television Broadcasting Studios," R. G. Thomas, <i>Broadcast News</i> (May)	1955
3624	"New Techniques in Color Demodulation," W. W. Cook, <i>Radio-Electronics</i> (May)	1955
3625	"The Planets and TV DX," J. H. Nelson, <i>Radio-Electronics</i> (May)	1955
3626	"Plasma Ion Oscillations in Electron Beams," K. G. Hernqvist, <i>Jour. Appl. Phys.</i> (May)	1955
3626a	"Pneumatic Micro-Tweezers," J. I. Pankove, <i>Journal of Scientific Instruments</i> (May)	1955

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3627	"Producing Formed and Inside-Out Grids for UHF Pencil Tubes," H. J. Ackerman, <i>Electronics</i> (May)	1955
3628	"Ring Type Teflon Gasket," E. C. Giaimo, Jr., <i>Rev. Sci. Instr.</i> (May)	1955
3629	"Spectrographic Determination of Lead in Oxygen-Free, High-Conductivity Copper," S. B. Deal, <i>Analytical Chemistry</i> (May)	1955
3630	"Unusual Assembly Methods Used in Developing a New Thyatron," N. R. Goldstein, <i>Ceramic Age</i> (May)	1955
3631	"144-Megacycle Transmitter (72 Watts Input on 155 Mc with an RCA-5894)," R. M. Mendelson, <i>RCA Ham Tips</i> (May)	1955
3632	"Magnetic Properties of Zinc Sulfide and Cadmium Sulfide Phosphors," S. Larach and J. Turkevich, <i>Phys. Rev.</i> (May 15)	1955
3633	"An Experimental High-Speed Photo-Resist Technique for Printed Circuits," M. L. Sugarman, Jr., <i>RCA Industry Service Laboratory Bulletin LB-978</i> (May 19)	1955
3634	"Temperature Effects in Circuits Using Junction Transistors," H. C. Lin and A. A. Barco, <i>RCA Industry Service Laboratory Bulletin LB-979</i> (May 19)	1955
3635	"Frequency Characteristics of Local Oscillators," W. Y. Pan, <i>RCA Industry Service Laboratory Bulletin LB-980</i> (May 25)	1955
3636	"Antenna System for Missile Telemetry," G. E. Bower and J. B. Wynn, Jr., <i>Electronics</i> (June)	1955
3637	"Color-Video Envelope-Delay Measurement," R. C. Kennedy and H. French, <i>Electronics</i> (June)	1955
3638	"Development of the Premium Ultra-High-Frequency Triode 6J4WA," G. W. Barclay, <i>RCA Review</i> (June)	1955
3639	"A Developmental Pocket-Size Broadcast Receiver Employing Transistors," D. D. Holmes, T. O. Stanley, and L. A. Freedman, <i>Proc. I.R.E.</i> (June)	1955
3640	"Discharging an Insulator Surface by Secondary Emission Without Redistribution," A. S. Jensen, <i>RCA Review</i> (June)	1955
3641	"The Effect of Initial Noise Current and Velocity Correlation on the Noise Figure of Traveling-Wave Tubes," S. Bloom, <i>RCA Review</i> (June)	1955
3642	"An Experimental Automobile Receiver Employing Transistors," L. A. Freedman, T. O. Stanley, and D. D. Holmes, <i>Proc. I.R.E.</i> (June)	1955
3643	"High-Gain Transistor Amplifier," J. J. Davidson, <i>RCA Engineer</i> (June-July)	1955
3644	"An Immittance Sweep," R. W. Sonnenfeldt, <i>RCA Engineer</i> (June-July)	1955
3645	"Increasing Creativeness in Engineers," C. D. Tuska, <i>RCA Engineer</i> (June-July)	1955
3646	"Introduction to 'Engineering the World's First 1000-KW TV Station,'" W. O. Hadlock, <i>RCA Engineer</i> (June-July)	1955
3647	"Luminous Microflux Standard," R. W. Engstrom, <i>Rev. Sci. Instr.</i> (June)	1955
3648	"Motion-Picture Photography in Guided-Missile Research," W. A. Price and E. H. Ehling, <i>Jour. S.M.P.T.E.</i> (June)	1955
3649	"A New Method for Magnifying Electron Beam Images," W. R. Beam, <i>RCA Review</i> (June)	1955
3650	"New Portable Direction Finder for Pleasure Craft," H. F. Mohr, <i>RCA Engineer</i> (June-July)	1955
3651	"A Novel UHF High-Power-Amplifier System," L. L. Koros, <i>RCA Review</i> (June)	1955
3652	"The Philosophy of JETEC Tube-Type Designations," R. S. Burnap, <i>RCA Engineer</i> (June-July)	1955
3653	"Principles of Light Amplification," D. W. Epstein, <i>RCA Engineer</i> (June-July)	1955

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3654	"Product Quality as Influenced by Field Data," W. J. Zaun, <i>RCA Engineer</i> (June-July)	1955
3655	"The Radechon, a Barrier Grid Storage Tube," A. S. Jensen, <i>RCA Review</i> (June)	1955
3656	"Radechon Storage Tube Circuits," A. S. Jensen and G. W. Gray, <i>RCA Review</i> (June)	1955
3656a	"Resistance Studies on Various Types of Dry Cells," R. Glicksman and C. K. Morehouse, <i>Jour. Electrochem. Soc.</i> (June)	1955
3657	"Short-Circuit Protection for Meters," P. Koustas, <i>Rad. and Tele. News</i> (June)	1955
3658	"Sound-Effects Track Noise-Suppressor," J. F. Byrd, <i>Jour. S.M.P.T.E.</i> (June)	1955
3659	"The Transfluxor—A Magnetic Gate with Stored Variable Setting," J. A. Rajchman and A. W. Lo, <i>RCA Review</i> (June)	1955
3660	"A UHF-VHF Television Tuner Using Pencil Tubes," W. A. Harris and J. J. Thompson, <i>RCA Review</i> (June)	1955
3661	"The Ultra-Gain, High-Power UHF Antenna," E. H. Shively, <i>RCA Engineer</i> (June-July)	1955
3662	"Why Engineers Should Write Papers," M. S. Corrington, <i>RCA Engineer</i> (June-July)	1955
3663	"World's First 25-KW UHF Transmitter," J. E. Joy, <i>RCA Engineer</i> (June-July)	1955
3664	"A 15-Kilowatt Beam Power Tube for UHF Service," W. P. Bennett, <i>RCA Engineer</i> (June-July)	1955
3665	"Electromechanical Filters for 100 KC Carrier and Sideband Selection," R. W. George, <i>RCA Industry Service Laboratory Bulletin LB-981</i> (June 2)	1955
3666	"The RCA Model 21CT662U 21-Inch Color Television Receiver," <i>RCA Industry Service Laboratory Bulletin LB-982</i> (June 8)	1955
3667	"Some Electrical Characteristics of Electrofax Coatings on Metallic and Paper Supports," E. C. Giaino, <i>RCA Industry Service Laboratory Bulletin LB-983</i> (June 10)	1955
3668	"Electron Voltaic Study of Electron Bombardment Damage and its Thresholds in Ge and Si," J. J. Loferski and P. Rappaport, <i>Phys. Rev.</i> (Letter to the Editor) (June 15)	1955
3669	"Retrograde Motion in Gas Discharge Plasmas," K. G. Herneqvist and E. O. Johnson, <i>Phys. Rev.</i> (June 15)	1955
3670	"Bias and Drive Considerations for Three-Gun Color Kinescopes," R. N. Rhodes and C. G. Seright, <i>RCA Industry Service Laboratory Bulletin LB-984</i> (June 24)	1955
3671	"All-Pass Amplifier," H. J. Woll, <i>Electronics</i> (July)	1955
3672	"Basic Problems in Film Pickup for TV Broadcasting," E. M. Gore, <i>Elec. Eng.</i> (July)	1955
3673	"Class B Operation of Transistors—I. Design Considerations," K. E. Loofbourrow, <i>Electronic Design</i> (July)	1955
3674	"Design of D. C. Tractive Electromagnets," M. R. Alexy, <i>Electrical Manufacturing</i> (July)	1955
3675	"The Effects of Junction Shape and Surface Recombination on Transistor Current Gain—Part II," K. F. Stripp and A. R. Moore, <i>Proc. I.R.E.</i> (July)	1955
3676	"Extending UHF-TV with Booster Amplifiers," J. Epstein, W. C. Morrison, and O. M. Woodward, Jr., <i>Electronics</i> (July) ..	1955
3677	"Further Analysis of Transmission-Line Directional Couplers," R. C. Knechtli, <i>Proc. I.R.E.</i> (July)	1955
3678	"High-Sensitivity Photoconductor Layers," S. M. Thomsen and R. H. Bube, <i>Rev. Sci. Instr.</i> (July)	1955
3679	"New Photoemissive Cathodes of High Sensitivity," A. H. Sommer, <i>Rev. Sci. Instr.</i> (Letter to the Editor) (July)	1955
3680	"Point-Contact Transistor Amplifiers," R. F. Schwartz, <i>Audio</i> (July)	1955

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3681	"Reliability Engineering," C. M. Ryerson, <i>Jour. S.M.P.T.E.</i> (July)	1955
3682	"Ser-Cuits," W. W. Cook, <i>Service</i> (July)	1955
3683	"Electrolytic Etching at Small-Angle Grain Boundaries in Germanium," S. G. Ellis, <i>RCA Industry Service Laboratory Research Bulletin RB-1</i> (July 6)	1955
3684	"Transistor Fabrication by the Melt-Quench Process," J. I. Panokove, <i>RCA Industry Service Laboratory Bulletin LB-985</i> (July 6)	1955
3685	"Some Aspects of Thermal Conversion in Germanium," H. Kroemer, <i>RCA Industry Service Laboratory Research Bulletin RB-2</i> (July 8)	1955
3686	"The Direct Conversion of Radiation into Electrical Energy," J. J. Loferski, P. Rappaport, and E. G. Linder, <i>RCA Industry Service Laboratory Research Bulletin RB-3</i> (July 13) ..	1955
3687	"Class B Operation of Transistors — II. Basic Circuits," K. E. Loofbourrow, <i>Electronic Design</i> (August)	1955
3688	"Color Effects and How It Works," C. R. Monro, <i>Broadcast News</i> (August)	1955
3689	"Color Television Luminance Detail Rendition," W. G. Gibson and A. C. Schroeder, <i>Proc. I.R.E.</i> (August)	1955
3690	"Control of Light Intensity in Television Projectors," K. Sadschige and B. F. Melchionni, <i>Jour. S.M.P.T.E.</i> (August) ...	1955
3691	"Design Problems of VHF Repeater Stations," J. R. Neubauer, <i>Wire & Radio Communications</i> (August)	1955
3692	"Differential Amplifier for Null Detection," W. E. Barnette and L. J. Giacometto, <i>Electronics</i> (August)	1955
3693	"Differential Gain Tests TV Color," J. O. Schroeder, <i>Electronics</i> (August)	1955
3694	"The Engineer and His Professional Society," B. E. Shackelford, <i>RCA Engineer</i> (August-September)	1955
3695	"The Generation of Electricity Directly from Radiation," E. G. Linder, P. Rappaport, and J. J. Loferski, <i>RCA Engineer</i> (August-September)	1955
3696	"Graphical Reproduction of Flux Patterns," B. J. McHugh and B. J. Coyle, <i>RCA Engineer</i> (August-September)	1955
3697	"Gun Development for the RCA-21AXP22 Color Kinescope," R. E. Benway and R. H. Hughes, <i>RCA Engineer</i> (August-September)	1955
3698	"The Hill-Tower Antenna System," R. H. Wright and J. V. Hyde, <i>RCA Engineer</i> (August-September)	1955
3699	"Improving Communications in TV," W. H. Cole, <i>Tele-Tech</i> (August)	1955
3700	"Increasing Inventive Creativeness," C. D. Tuska, <i>Jour. Frank. Inst.</i> (August)	1955
3701	"Large Area High-Current Photoconductive Cells Using Cadmium Sulfide Powder," F. H. Nicoll and B. Kazan, <i>Jour. Opt. Soc. Amer.</i> (August)	1955
3702	"Losses in Magnetic Ferrites," G. S. Hipskind, <i>Electrical Manufacturing</i> (August)	1955
3703	"Miniature Broadcast Amplifiers Use Etched-Wiring Technique," G. A. Singer, <i>Broadcast News</i> (August)	1955
3704	"New Slide-O-Matic 'Victrola' Attachment," E. S. Maris, <i>RCA Engineer</i> (August-September)	1955
3705	"Observation of Electroluminescence Excited by DC Fields in Cathode-Ray Tubes," F. H. Nicoll and B. Kazan, <i>Proc. I.R.E.</i> (Letter to the Editor) (August)	1955
3706	"Optical Projection of Radiant Power," L. T. Sachtleben, <i>RCA Engineer</i> (August-September)	1955
3707	"Plasma Oscillations in Electron Beams," K. G. Hernqvist, <i>Jour. Appl. Phys.</i> (August)	1955

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3708	"The RCA 'Ampliphase' Fifty," C. J. Starner, J. Q. Lawson, and C. D. Mulford, <i>Broadcast News</i> (August)	1955
3709	"The RCA Color Corrector," L. Shapiro, <i>RCA Engineer</i> (August-September)	1955
3710	"RCA Engineers Design First Air-Force Equipment Using Transistors," D. E. Shumaker, <i>RCA Engineer</i> (August-September)	1955
3711	"The Role of the Mechanical Engineer in Electronic Equipment Design," T. G. Greene and P. C. Harrison, <i>RCA Engineer</i> (August-September)	1955
3712	"Some Notes on Integration of Color Equipment and Existing Monochrome Facilities," A. H. Lind, <i>Broadcast News</i> (August)	1955
3713	"The Synchroguide: A Design History," S. Tourshou, <i>RCA Engineer</i> (August-September)	1955
3714	"Three Vidicon Color Film System," K. H. Hardiman, N. L. Hobson, B. F. Melchionni, and A. Reisz, <i>Broadcast News</i> (August)	1955
3715	"A Time-Sampling and Amplitude-Quantizing Tube," R. P. Stone, C. W. Mueller, and W. M. Webster, <i>Proc. I.R.E.</i> (August)	1955
3716	"Whiskers on 'Gangs'—a Metallurgical Mystery," L. Pessel and W. D. Rhoads, <i>RCA Engineer</i> (August-September) ...	1955
3717	"WR-61A Color-Bar Generator Design," S. Wlasuk, <i>RCA Engineer</i> (August-September)	1955
3718	"A Test Set for Transistor Performance Measurement at 455 Kc," T. M. Scott, L. A. Freedman, and D. D. Holmes, <i>RCA Industry Service Laboratory Bulletin LB-986</i> (August 2) ..	1955
3719	"Radiative Transitions in Semiconductors," R. Braunstein, <i>RCA Industry Service Laboratory Research Bulletin RB-4</i> (August 4)	1955
3720	"Photoconductivity of the Sulfide, Selenide, and Telluride of Zinc or Cadmium," R. H. Bube, <i>RCA Industry Service Laboratory Research Bulletin RB-5</i> (August 9)	1955
3721	"Infrared Quenching and a Unified Description of Photoconductivity Phenomena in Cadmium Sulfide and Selenide," R. H. Bube, <i>Phys. Rev.</i> (August 15)	1955
3722	"The Noise Factor of Junction Transistors," L. J. Giacoletto, <i>RCA Industry Service Research Bulletin RB-6</i> (August 16) ..	1955
3723	"Heterodyne Mixer Cross Modulation Tests," J. E. Eckert and E. O. Keizer, <i>RCA Industry Service Laboratory Research Bulletin RB-7</i> (August 18)	1955
3724	"Speculations on the Energy Band Structure of Zinc-Blende-Type Crystals," F. Herman, <i>RCA Industry Service Laboratory Research Bulletin RB-8</i> (August 23)	1955
3725	"Initial Permeability in Ferrimagnetic Spinels," R. S. Weisz, <i>RCA Industry Service Laboratory Research Bulletin RB-9</i> (August 25)	1955
3726	"Minority Carrier Lifetime in CdS," R. E. Berry and H. S. Sommers, Jr., <i>RCA Industry Service Laboratory Research Bulletin RB-10</i> (August 26)	1955
3727	"144-Megacycle Transmitter Part II: Operation and Adjustment," R. M. Mendelson, <i>RCA Ham Tips</i> (August)	1955
3728	"A Beam Power Tube for Ultra-High-Frequency Service," W. P. Bennett, <i>RCA Review</i> (September)	1955
3729	"Dislocations in Germanium," S. G. Ellis, <i>Jour. Appl. Phys.</i> (September)	1955
3730	"Extension of 'The Effect of Initial Current and Velocity Correlations on the Noise Figure of Traveling-Wave Tubes,'" W. R. Beam, <i>RCA Review</i> (September)	1955
3731	"Frequency Characteristics of Local Oscillators," W. Y. Pan, <i>RCA Review</i> (September)	1955

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3732	"Methods for Revealing P-N Junctions and Inhomogeneities in Germanium Crystals," J. I. Pankove, <i>RCA Review</i> (September)	1955
3733	"The Natural Equivalent Circuit of Junction Transistors," J. Zawels, <i>RCA Review</i> (September)	1955
3734	"On the Problem of Optimum Detection of Pulsed Signals in Noise," A. H. Benner and R. F. Drenick, <i>RCA Review</i> (September)	1955
3735	"Periodic Magnetic Field Focusing for Low-Noise Traveling-Wave Tubes," K. K. N. Chang, <i>RCA Review</i> (September) ..	1955
3736	"Simplified Design Procedures for Tuned Transistor Amplifiers," C. C. Cheng, <i>RCA Review</i> (September)	1955
3736a	"Speculations on the Energy Band Structure of Zinc-Blende-Type Crystals," F. Herman, <i>Journal of Electronics</i> (September)	1955
3737	"Stabilization of Pulse Duration in Monostable Multivibrators," A. C. Luther, Jr., <i>RCA Review</i> (September)	1955
3738	"System Parameters Using Tropospheric Scatter Propagation," H. H. Beverage, E. A. Laport, and L. C. Simpson, <i>RCA Review</i> (September)	1955
3739	"Wide-Range Electronic Tuning of Microwave Cavities," F. R. Arams and H. K. Jenny, <i>Proc. I.R.E.</i> (September)	1955
3740	"Performance of a Radio-Frequency Alloy Junction Transistor in Different Circuits," L. J. Giacoletto, <i>RCA Industry Service Laboratory Bulletin LB-989</i> (September 2)	1955
3741	"Periodic Magnetic Field Focusing for Low-Noise Traveling-Wave Tubes," K. K. N. Chang, <i>RCA Industry Service Laboratory Research Bulletin RB-11</i> (September 8)	1955
3742	"Uniform Planar Alloy Junctions for Germanium Transistors," N. H. Ditrick and C. W. Mueller, <i>RCA Industry Service Laboratory Bulletin LB-990</i> (September 9)	1955
3743	"Magnetoresistance of Germanium-Silicon Alloys," M. Glicksman, <i>RCA Industry Service Laboratory Research Bulletin RB-13</i> (September 14)	1955
3744	"Plasma Oscillations at Extremely High Frequencies," M. A. Lampert, <i>RCA Industry Service Laboratory Research Bulletin RB-12</i> (September 14)	1955
3745	"Energy Levels of a Crystal Modified by Alloying or by Pressure," R. H. Parmenter, <i>Phys. Rev.</i> (September 15)	1955
3746	"Radiative Transitions in Semiconductors," R. Braunstein, <i>Phys. Rev.</i> (Letter to the Editor) (September 15)	1955
3747	"Uniform Strains and Deformation Potentials," R. H. Parmenter, <i>Phys. Rev.</i> (September 15)	1955
3748	"Surface Treatment of Silicon for Low-Recombination Velocity," A. R. Moore and H. Nelson, <i>RCA Industry Service Laboratory Bulletin LB-991</i> (September 23)	1955
3749	"Application of Carbon Microphones to Narrow-Band Speech Transmission," R. M. Carrell, <i>RCA Engineer</i> (October-November)	1955
3750	"Blower Requirements for RCA Forced-Air-Cooled Tubes," <i>RCA Application Note AN-161</i> , RCA Tube Division, Harrison, N. J. (October)	1955
3751	"Broadcast and Communications Equipment Withstands Atom Blast," E. C. Bill, <i>Broadcast News</i> (October)	1955
3752	"Chemistry of Color Television," D. J. Donahue, <i>RCA Engineer</i> (October-November)	1955
3753	"Class B Operation of Transistors III—Hybrid Radio," K. E. Loofbourrow, <i>Electronic Design</i> (October)	1955
3754	"Control of Light Intensity in Television Projectors," K. Sadashige and B. F. Melchionni, <i>Broadcast News</i> (October) ...	1955
3755	"Development of the 'Candelabra' Antenna System," L. J. Wolf, <i>Broadcast News</i> (October)	1955

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3756	"Forward Scattering of Radio Waves by Anisotropic Turbulence," H. Staras, <i>Proc. I.R.E.</i> (October)	1955
3757	"High-Gain Transistor Amplifier," J. J. Davidson, <i>Audio</i> (October)	1955
3758	"Land-Mobile Communications," J. R. Neubauer, <i>RCA Engineer</i> (October-November)	1955
3759	"Looking Ahead in Research on Gaseous Conduction Processes," E. O. Johnson, <i>RCA Engineer</i> (October-November)	1955
3760	"Low-Noise Travelling-Wave Tubes," A. J. Bianculli, R. M. Collins, E. W. Kinaman, and G. Novak, <i>RCA Engineer</i> (October-November)	1955
3761	"RCA Demonstrates Color TV for Medical Use," E. T. Griffith, <i>Broadcast News</i> (October)	1955
3762	"Single-Ended Class-C Amplifier Design," C. A. West, <i>RCA Ham Tips</i> (October)	1955
3763	"Some Problems Associated with Television AGC Circuits," L. P. Thomas, <i>RCA Engineer</i> (October-November)	1955
3764	"The Structure and Development of the Cell Wall in Nitella," G. B. Chapman and P. B. Green, <i>American Journal of Botany</i> (October)	1955
3765	"A Study of the Etching Rate of Single-Crystal Germanium," P. R. Camp, <i>Journal of the Electrochemical Society</i> (October)	1955
3766	"Technical Standards for Color Television," J. W. Wentworth, <i>RCA Engineer</i> (October-November)	1955
3767	"Underwriters' Laboratories — Their Importance to the Design Engineer," J. W. Fulmer, <i>RCA Engineer</i> (October-November)	1955
3768	"The Use of Concentric-Line Transformers in UHF Measurements," W. A. Harris and J. J. Thompson, <i>IRE Transactions on Instrumentation (PGI-4)</i> (October)	1955
3769	"Variation of Junction-Transistor Current-Amplification Factor with Emitter Current," L. J. Giacoletto, <i>Proc. I.R.E.</i> (Letter to the Editor) (October)	1955
3770	"35MM Intermittent Motion Picture Projector for Color TV," W. R. Isom and W. F. Fisher, <i>Broadcast News</i> (October) ..	1955
3771	"An Electroluminescent Light-Amplifying Picture Panel," F. H. Nicoll and B. Kazan, <i>RCA Industry Service Laboratory Research Bulletin RB-14</i> (October 14)	1955
3772	"Edge Electroluminescence from ZnS Single Crystals," R. W. Smith, <i>Phys. Rev.</i> (Letter to the Editor) (October 15)	1955
3773	"Symmetry Properties of the Energy Bands of the Zinc Blende Structure," R. H. Parmenter, <i>Phys. Rev.</i> (October 15)	1955
3774	"Color Television IF Amplifiers," B. Fisher, <i>RCA Industry Service Laboratory Bulletin LB-998</i> (October 20)	1955
3775	"A DC Stabilized Color Difference Amplifier," C. B. Oakley, <i>RCA Industry Service Laboratory Bulletin LB-999</i> (October 20)	1955
3776	"Grounded-Green-Grid Kinescope Adding System," A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-992</i> (October 20)	1955
3777	"A High-Gain Video-Amplifier Peaking Circuit," L. Schupak, <i>RCA Industry Service Laboratory Bulletin LB-996</i> (October 20)	1955
3778	"High-Level Triode Demodulator Design Considerations," R. L. Pickholtz, <i>RCA Industry Service Laboratory Bulletin LB-997</i> (October 20)	1955
3779	"A Low-Cost Sound Detector for Television Receivers," T. J. Brady and J. Avins, <i>RCA Industry Service Laboratory Bulletin LB-1000</i> (October 20)	1955

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3780	"A Noise-Clipping AGC Circuit for High-Gain Video Amplifiers," A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-993</i> (October 20)	1955
3781	"A Parabolic Tubeless Convergence Circuit for the RCA 21-Inch Color Kinescope," M. D. Nelson, <i>RCA Industry Service Laboratory Bulletin LB-995</i> (October 20)	1955
3782	"Peak Brightness Considerations in Color Television Receivers," R. N. Rhodes, <i>RCA Industry Service Laboratory Bulletin LB-1001</i> (October 20)	1955
3783	"A Synchronous Color Killer and Balanced Phase Detector," A. Macovski, <i>RCA Industry Service Laboratory Bulletin LB-994</i> (October 20)	1955
3784	"Experimental High-Transconductance Gun for Cathode-Ray Tubes," F. H. Nicoll, <i>RCA Industry Service Laboratory Bulletin LB-1003</i> (October 24)	1955
3785	"Vapor Pressure Data on Metals and Alloys," E. Goldman, <i>RCA Industry Service Laboratory Research Bulletin RB-15</i> (October 24)	1955
3786	"Edge Emission from ZnS Single Crystals," R. W. Smith, <i>RCA Industry Service Laboratory Research Bulletin RB-16</i> (October 25)	1955
3787	"Improvement in Color Kinescopes Through Optical Analogy," P. E. Kaus, D. D. Van Ormer, and D. W. Epstein, <i>RCA Industry Service Laboratory Bulletin LB-1002</i> (October 25) ..	1955
3788	"Miniature Loudspeakers for Personal Radio Receivers," J. C. Bleazey, E. G. May, and J. Preston, <i>RCA Industry Service Laboratory Bulletin LB-1004</i> (October 31)	1955
3789	"Automatic Chroma Control Circuitry," W. W. Cook, <i>Service</i> (November)	1955
3790	"Colour Television in the U.S.A.," C. G. Mayer, <i>Electronic Engineering</i> (November)	1955
3791	"Electrofax—A New Tool for the Graphic Arts," M. L. Sugarman, Jr., <i>The American Pressman</i> (November)	1955
3792	"Image Gradation, Graininess and Sharpness in Television and Motion-Picture Systems, Part IV, A & B: Image Analysis in Photographic and Television Systems (Definition and Sharpness)," O. H. Schade, <i>Jour. S.M.P.T.E.</i> (November)	1955
3793	"Nomographs for Determining Significant Differences," C. H. Li, <i>Metal Progress</i> (November)	1955
3794	"A Portable Transmitter-Receiver for 148 mc.," J. F. Sterner, <i>Rad. and Tele. News</i> (November)	1955
3795	"RCA Test Points," J. A. May, <i>Rad. and Tele. News</i> (November)	1955
3796	"Test Equipment for Color-TV Receivers," E. R. Klingeman and S. Wlasuk, <i>Service</i> (November)	1955
3797	"The 21-Inc Tricolor Picture Tube," W. W. Lenz, Jr., <i>Service</i> (November)	1955
3798	"'Electrofax' — A New Tool for the Graphic Arts," M. L. Sugarman, Jr., <i>RCA Industry Service Laboratory Bulletin LB-1006</i> (November 1)	1955
3799	"A Variable-Capacitance Germanium Junction Diode for UHF," J. O'Connell and L. J. Giacoletto, <i>RCA Industry Service Laboratory Bulletin LB-1005</i> (November 1)	1955
3800	"Problems of Producing Low-Noise Electron Beams," R. W. Peter, <i>Proceedings of the Symposium on Modern Advances in Microwave Techniques</i> (November 9, 1954)	1955
3801	"Television Vertical Aperture Compensation," W. G. Gibson and A. C. Schroeder, <i>RCA Industry Service Laboratory Research Bulletin RB-17</i> (November 14)	1955
3802	"Cyclotron Resonance in Ge-Si Alloys," S. M. Christian, (co-author), <i>Phys. Rev.</i> (Letter to the Editor) (November 15) ..	1955

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3803	"Electrolytic Etching at Small-Angle Grain Boundaries in Germanium," S. G. Ellis, <i>Phys. Rev.</i> (November 15)	1955
3804	"Magnetoresistance of Germanium-Silicon Alloys," M. Glicksman, <i>Phys. Rev.</i> (November 15)	1955
3805	"Thresholds for Electron Bombardment Induced Lattice Displacements in Si and Ge," P. Rappaport and J. J. Loferski, <i>Phys. Rev.</i> (November 15)	1955
3806	"Preparation, Properties, and Applications of a New Oxide Permanent Magnet Material," I. Gordon and H. L. Donley, <i>RCA Industry Service Laboratory Research Bulletin RB-18</i> (November 18)	1955
3807	"Photoconduction in Germanium and Silicon," M. L. Schultz and G. A. Morton, <i>RCA Industry Service Laboratory Research Bulletin RB-19</i> (November 21)	1955
3808	"Electron and Ion Motion in Oxide Cathodes," L. S. Nergaard, <i>RCA Industry Service Laboratory Research Bulletin RB-21</i> (November 26)	1955
3809	"Noise Considerations for P-N-P Junction Transistors," J. W. Englund, <i>RCA Industry Service Laboratory Research Bulletin RB-20</i> (November 26)	1955
3810	"Cross-Modulation in Transistor RF Amplifiers," D. D. Holmes, <i>RCA Industry Service Laboratory Bulletin LB-1008</i> (November 28)	1955
3811	"An Accurate Electronic Multiplier," S. Sternberg, <i>RCA Review</i> (December)	1955
3812	"Applications of Ferrites to Deflection Components," B. V. Vonderschmitt and W. H. Barkow, <i>RCA Engineer</i> (December-January)	1955
3813	"Audio-Standard Generator," P. Koustas, <i>Electronics</i> (December)	1955
3814	"Crystal Selection in Stabilized Frequency Control," E. M. Washburn and R. R. Bigler, <i>RCA Engineer</i> (December-January)	1955
3815	"Directly Heated Hum-Free Cathode for Cathode-Ray Tubes," F. H. Nicoll, <i>Rev. Sci. Instr.</i> (December)	1955
3816	"An Electroluminescent Light-Amplifying Picture Panel," B. Kazan and F. H. Nicoll, <i>Proc. I.R.E.</i> (December)	1955
3817	"The Electronic Energy Band Structure of Silicon and Germanium," F. Herman, <i>Proc. I.R.E.</i> (December)	1955
3818	"Engineering the RCA Bizmac System," J. W. Leas, <i>RCA Engineer</i> (December-January)	1955
3819	"Experimental High-Transconductance Gun for Kinescopes," F. H. Nicoll, <i>RCA Review</i> (December)	1955
3820	"Improvement in Color Kinescopes Through Optical Analogy," D. W. Epstein, P. E. Kaus, and D. D. Van Ormer, <i>RCA Review</i> (December)	1955
3821	"Interception Noise in Electron Beams at Microwave Frequencies," W. R. Beam, <i>RCA Review</i> (December)	1955
3822	"A Locked-Oscillator Quadrature-Grid FM Sound Detector," J. Avins and T. J. Brady, <i>RCA Review</i> (December)	1955
3823	"New Dual-Channel Consolette," E. J. Meehan, <i>Broadcast News</i> (December)	1955
3824	"A New Low-Power Single-Sideband Communication System," E. A. Laport and K. L. Neumann, <i>RCA Review</i> (December)	1955
3825	"Nomographs for Determining Significant Differences," C. H. Li, <i>RCA Engineer</i> (December-January)	1955
3826	"Nylon for Test-Socket Covers Increases Efficiency," I. Weiss, <i>RCA Engineer</i> (December-January)	1955
3827	"Opto-Electronic Devices and Networks," E. E. Loebner, <i>Proc. I.R.E.</i> (December)	1955
3828	"Performance of Photoconductors," A. Rose, <i>Proc. I.R.E.</i> (December)	1955

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3829	"Photoconduction in Germanium and Silicon," M. L. Schultz and G. A. Morton, <i>Proc. I.R.E.</i> (December)	1955
3830	"Photoconductivity of the Sulfide, Selenide, and Telluride of Zinc or Cadmium," R. H. Bube, <i>Proc. I.R.E.</i> (December) ..	1955
3831	"Planning TV Microwave Systems," <i>Broadcast News</i> (December)	1955
3832	"Printed Deflection Yoke Design," H. J. Benzuly, <i>Tele-Tech</i> (December)	1955
3833	"Progress in Experimental High-Frequency Transistors," Harwick Johnson, <i>RCA Engineer</i> (December-January)	1955
3834	"The RCA Bizmac Electronic Accounting System," W. K. Halstead, <i>RCA Engineer</i> (December-January)	1955
3835	"A Secondary Frequency Standard," R. M. Mendelson, <i>RCA Ham Tips</i> (December)	1955
3836	"Space-Control Production Area," S. Cornberg, <i>Broadcast News</i> (December)	1955
3837	"Studies of Externally Heated Hot Cathode Arcs," E. O. Johnson, <i>RCA Review</i> (December)	1955
3838	"Television Vertical Aperture Compensation," A. C. Schroeder and W. G. Gibson, <i>Jour. S.M.P.T.E.</i> (December)	1955
3839	"Transient Response of Detectors in Symmetric and Asymmetric Sideband Systems," T. Murakami and R. W. Sonnenfeldt, <i>RCA Review</i> (December)	1955
3840	"Transistor Video Amplifiers," N. C. Kidd, <i>RCA Engineer</i> (December-January)	1955
3841	"A Transistorized Output Meter," J. J. Lawler and J. D. Hodge, <i>RCA Engineer</i> (December-January)	1955
3842	"Transistorized Sync Separator Circuits for Television Receivers," H. C. Goodrich, <i>RCA Review</i> (December)	1955
3843	"35mm Intermittent Motion-Picture Projector for Color Television," W. F. Fisher and W. R. Isom, <i>Jour. S.M.P.T.E.</i> (December)	1955
3844	"Calculation of Alloying Depth of Indium in Germanium," L. Pensak, <i>RCA Industry Service Laboratory Research Bulletin RB-23</i> (December 12)	1955
3845	"A Double-Corona Charging Unit and Its Utilization in the Electrofax Process," E. C. Giaino, Jr., <i>RCA Industry Service Laboratory Bulletin LB-1009</i> (December 12)	1955
3846	"Optical Factors in the Photoemission of Thin Films," E. G. Ramberg, <i>RCA Industry Service Laboratory Research Bulletin RB-22</i> (December 12)	1955
3847	"A Hermetic Enclosure for Power Transistors," M. W. Green, <i>RCA Industry Service Laboratory Bulletin LB-1011</i> (December 14)	1955
3848	"Recent Advances in Power Junction Transistors," B. N. Slade, <i>RCA Industry Service Laboratory Bulletin LB-1010</i> (December 14)	1955
3849	"A 20-Watt Transistor Audio Amplifier," H. C. Lin, <i>RCA Industry Service Laboratory Bulletin LB-1012</i> (December 14)	1955
3850	"High-Emitter-Efficiency Alloy Materials for P-N-P Transistors," C. L. Carlson and L. D. Armstrong, <i>RCA Industry Service Laboratory Bulletin LB-1013</i> (December 16)	1955
3851	"Instantaneous Light Output and Build-Up Effects in Electroluminescent Phosphors," R. J. Pressley, <i>RCA Industry Service Laboratory Research Bulletin RB-24</i> (December 19) ...	1955
3852	"New Alignment and Constructional Techniques for the Bode Linear Phase Shift Filter," G. L. Fredendall, <i>RCA Industry Service Laboratory Research Bulletin RB-25</i> (December 20)	1955
3853	"Stability Considerations in Transistor IF Amplifiers," T. O. Stanley and D. D. Holmes, <i>RCA Industry Service Laboratory Bulletin LB-1014</i> (December 20)	1955

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3854	"Two Bridged-T Equivalents of the Bode Low-Pass Lattice Filter," G. L. Fredendall, <i>RCA Industry Service Laboratory Research Bulletin RB-26</i> (December 20)	1955
3855	"The Electronic Energy Band Structure of Silicon and Germanium," F. Herman, <i>RCA Industry Service Laboratory Research Bulletin RB-27</i> (December 26)	1955
3856	"A Method for Salvaging Components of Brazed Assemblies," M. B. Lemeshka, <i>RCA Industry Service Laboratory Bulletin LB-1015</i> (December 27)	1955
3857	"Junction Transistor Designed for Iterative Operation at Low Frequencies," L. J. Giacometto, <i>RCA Industry Service Laboratory Bulletin LB-1016</i> (December 30)	1955
3858	"Analogue Computers," A. W. Vance, E. C. Hutter, J. Lehmann, and M. L. Wadlin, Chapter of <i>Advances in Electronics and Electron Physics</i> , Vol. VII, Edited by L. Marton, Academic Press, New York, N. Y.	
3859	"Color Television," V. K. Zworykin, Technical Bulletin, <i>Comita International de TV</i> (France)	1955
3860	"Corrections to the Theory of the Grounded-Grid Triode," W. A. Harris, <i>IRE Convention Record</i>	1955
3861	"Electron Optics," E. G. Ramberg, Chapter in book— <i>Fundamental Formulas of Physics</i> , Edited by Donald Menzel, D. Van Nostrand	1955
3862	"High-Speed Electronic Fault Protection for Power Tubes and Their Circuitry," W. N. Parker and M. V. Hoover, <i>IRE Convention Record</i>	1955
3863	"The Need for Some Standards in Electron Microscopy," J. Hillier, <i>Scientific Instrument News</i> , Vol. 1, No. 1	1955
3864	"Transistor Electronics," A. W. Lo, R. O. Endres, J. Zawels, F. D. Waldhauer, and C. C. Cheng, Prentice-Hall, Inc., Englewood Cliffs, New Jersey	1955

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