

APPENDIX II

LIST OF APPLICATION NOTES

(1933-1941)

While the RCA Application Notes published by the RCA Tube Department before World War II are out of print and extra copies are no longer available, the list below is included to provide a convenient additional reference source for the many organizations and engineers who have maintained files of the notes.

APPLICATION NOTES

NUMBER	YEAR	TITLE
AN-1	1933	Use of the 77 as a Biased Detector with 100 Volts Plate Supply
AN-2	1933	Use of the 57 as a Biased Detector Resistance-Coupled to a 2A5
AN-3	1933	Use and Operation of the 2A7 and 6A7 as Pentagrid Converters
AN-4	1933	The 2B7, 6B7, 55, 75, 77 & 85 as Resistance-Coupled Audio-Frequency Amplifiers
AN-5	1933	Application of the Type 79 Tube
AN-6	1933	Higher Voltage Ratings for the 36, 37, 38, 39/44, and 89
AN-7	1933	250-Volt Rating for the 79
AN-8	1933	2A6 as a Resistance-Coupled Audio-Frequency Amplifier
AN-9	1933	Recent Advances in Tube Design
AN-10	1933	Hum Elimination in Universal Receivers
AN-11	1933	The Use and Operation of the 25Z5
AN-12	1933	Half-Wave Operation of the 25Z5 with Separate Load Circuits for each Rectifier Unit
AN-13	1933	Recommended Operating Conditions for the 38, 41, 42, 43, and 89
AN-14	1933	Operating Conditions for the Type 53 Tube
AN-15	1933	The Operation of the Type 48 Tube as a Triode
AN-16	1933	The Operation of the 2B7, or 6B7, as a Reflex Amplifier
AN-17	1933	Special Applications of the Type 53 Tube
AN-18	1933	Operation Conditions for the Type 19 Tube
AN-19	1933	Operating Conditions for the 1A6 as an Oscillator-Mixer
AN-20	1933	An Increase in the Maximum Allowable Grid Resistor for Types 38, 41, 42, 89, and 2A5
AN-21	1933	Operation Characteristics of the Type 1-v and the Type 12Z3 Tube
AN-22	1933	The Operation of the 2A6, 2B7, 6B7, 55, 75, 77, and 85 as Resistance-Coupled Audio-Frequency Amplifiers

NUMBER	YEAR	TITLE
AN-23	1933	The Operating Characteristics of the Type 84 Tube
AN-24	1933	Use of the 1A6 as a Half-Wave Diode-Tetrode
AN-25	1933	Influence of Circuit Constants on Receiver Output Noise
AN-26	1933	The 37, 56, 57, and 77 Tubes as Resistance-Coupled High-Voltage Amplifiers
AN-27	1933	Use of Pentagrid Converter Tubes in Multi-Range Receivers
AN-28	1933	Special Applications of the Type 79 Tube
AN-29	1933	Design of Audio Systems Employing Type 2A3 Power Amplifier Triodes
AN-30	1934	Characteristics of the 6F7 Tube
AN-31	1934	Operating Considerations of Cathode-Ray Tubes 905 and 906 for Oscillographic Purposes
AN-32	1934	Revision of Characteristics for the Type 48 Tube
AN-33	1934	RCA-800 in Class B Audio Amplifiers
AN-34	1934	Characteristics of the 868 Phototube
AN-35	1934	Triode Operation of Type 42 and Type 2A5 Pentodes
AN-36	1934	Lissajou's Figures
AN-37	1934	100-Volt Operation of 6C6 and 6D6 Tubes
AN-38	1934	A Simple Method for Converting Pentode Characteristics
AN-39	1934	The Design of a Voltage Supply for the 905 and 906 Cathode-Ray Tubes
AN-40	1934	High Power Output from Type 45 Tubes
AN-41	1934	The 1C6
AN-42	1934	Short-Cut Method for Determining Operating Conditions of Power Output Triodes
AN-43	1934	Cathode-Ray Curve-Tracing Apparatus for Aligning Tuned Circuits
AN-44	1934	Operating Conditions for the 6A6
AN-45	1935	Use of the 57 or 6C6 to Obtain Negative Transconductance and Negative Resistance
AN-46	1935	The Design of Six-Volt Battery-Operated Receivers
AN-47	1935	The Use of the 954 as a Vacuum-Tube Voltmeter
AN-48	1935	Graphical Determination of the Decrease in Inductance Produced by a Coil Shield
AN-49	1935	Construction of a Top-Cap Shield for Metal Tubes
AN-50	1935	Operation of the 6L7 as a Mixer Tube
AN-51	1935	The 6F5
AN-52	1935	Class AB Operation of Type 6F6 Tubes Connected as Triodes
AN-53	1935	The 6L7 as a Volume Expander for Phonographs
AN-54	1935	Class AB Operation of Type 6F6 Tubes Connected as Pentodes
AN-55	1935	Operation of the 6A8

NUMBER	YEAR	TITLE
AN-56	1936	Receiver Design
AN-57	1936	The 6L7 as an R-F Amplifier
AN-58	1936	Receiver Design
AN-59	1936	Operation of the 6Q7
AN-60	1936	Operation of the 6L6
AN-61	1936	The Conversion of a 6L6 Plate Family to New Screen Voltage Conditions
AN-62	1936	A New Operating Condition for Two Type 6F6 Tubes Connected as Pentodes
AN-63	1936	A High-Gain Single-Tube Phase Inverter
AN-64	1936	Inverse-Feedback Circuits for A-F Amplifiers
AN-65	1936	Tuning-Indicator Circuits for the 6E5 and 6G5
AN-66	1936	Equal Plate and Screen Voltage Operation of the 6L6
AN-67	1937	Resistance-Coupled Audio-Frequency Amplifiers
AN-68	1937	A 55-Watt Amplifier Using Two Type 6L6 Tubes
AN-69	1937	250-Volt, Low-Current Operation of the 6L6
AN-70	1937	An Exposure Meter for Cathode-Ray Oscillographs
AN-71	1937	Low-Current, High-Power Operation of Two 6L6's Connected in Push-Pull
AN-72	1937	A 40-Watt Operating Condition for Two Type 6L6 Tubes
AN-73	1937	Operation of the 25L6 in Typical Circuits
AN-74	1937	A New High-Voltage Choke-Input Rating for the 5T4
AN-75	1937	Receiver Design
AN-76	1937	An Audio-Frequency Curve Tracer Using a Cathode-Ray Tube
AN-77	1937	Dimensions of Popular Tube Types
AN-78	1937	Use of the Plate Family in Vacuum-Tube Power-Output Calculations
AN-79	1937	Significance of Ratings for Power Output Tubes
AN-80	1937	Operation of the 6V6-G
AN-81	1937	A Two-Terminal Oscillator
AN-82	1938	Wide-Angle Tuning with the 6E5, 6G5, or 6U5
AN-83	1938	Resistance-Coupled Amplifier Data for the 6L5-G, 6T7-G, and 6S7-G
AN-84	1938	The Operation of Phototubes
AN-85	1938	Operation of the 6AC5-G
AN-86	1938	Operation of the 6Y6-G
AN-87	1938	The 6K8 — A New Converter Tube
AN-88	1938	Hum in Heater-Type Tubes
AN-89	1938	Receiver Design
AN-90	1938	Resistance-Coupled Amplifier Data for the 6C8-G, 6F8-G, 6J5, 6J5-G, and 6Z7-G
AN-91	1938	Operation of the Gas-Triode 0A4-G
AN-92	1938	Operation of the Improved Type 906 Cathode-Ray Tube at Low Voltages
AN-93	1938	An Inverse-Feedback Circuit for Resistance-Coupled Amplifiers

NUMBER	YEAR	TITLE
AN-94	1938	Operation of the 6AF6-G
AN-95	1938	Operating Positions of Receiving Tubes
AN-96	1938	A Voltage Regulator for D-C Power Supplies
AN-97	1938	A Self-Balancing Phase-Inverter Circuit
AN-98	1938	The Operation of Single-Ended Tubes
AN-99	1938	Revision of 6K8 Ratings
AN-100	1938	Operation of the 6SA7
AN-101	1939	Input Loading of Receiving Tubes at Radio Frequencies
AN-102	1939	The 6SK7 as an I-F Amplifier
AN-103	1939	Operation of the 35L6-GT
AN-104	1939	A Television Bibliography and RMA Television Standards
AN-105	1939	A Change in Maximum Ratings of Receiver Tubes
AN-106	1940	The RCA Miniature Tubes
AN-107	1940	A Miniature-Tube Hearing-Aid Amplifier for use with an Air-Conduction Earpiece
AN-108	1940	Effect of Temperature on Frequency of 6J5 Oscillator
AN-109	1940	Operation of Fifty Milliampere Tubes by the 117N7-GT
AN-110	1941	Instantaneous Plate-Voltage Capability of RCA-6L6
AN-111	1941	The New High-Transconductance R-F Pentode RCA-6SG7
AN-112	1941	Use of the RCA-6SF7
AN-113	1941	Precaution in Assembly of Receivers Employing Button-Base Tubes
AN-114	1941	Use of Cushioned Sockets in Small Receivers
AN-115	1941	A Discussion of Noise in Portable Receivers
AN-116	1941	Properties of Untuned R-F Amplifier Stages
AN-117	1941	Design Precaution for Oscillators Employing Filament-Type Tubes