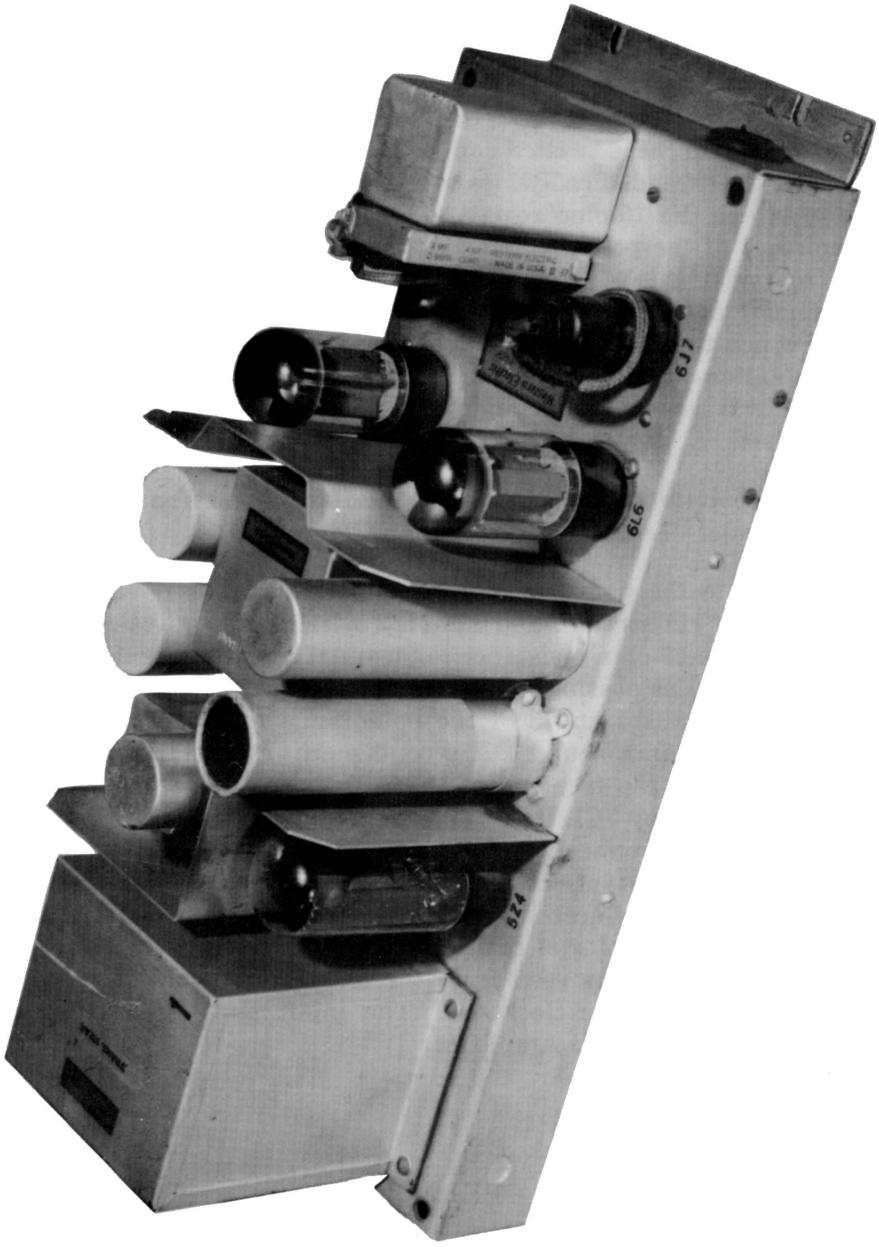
*Western Electric Company*

# No.94-A AMPLIFIER



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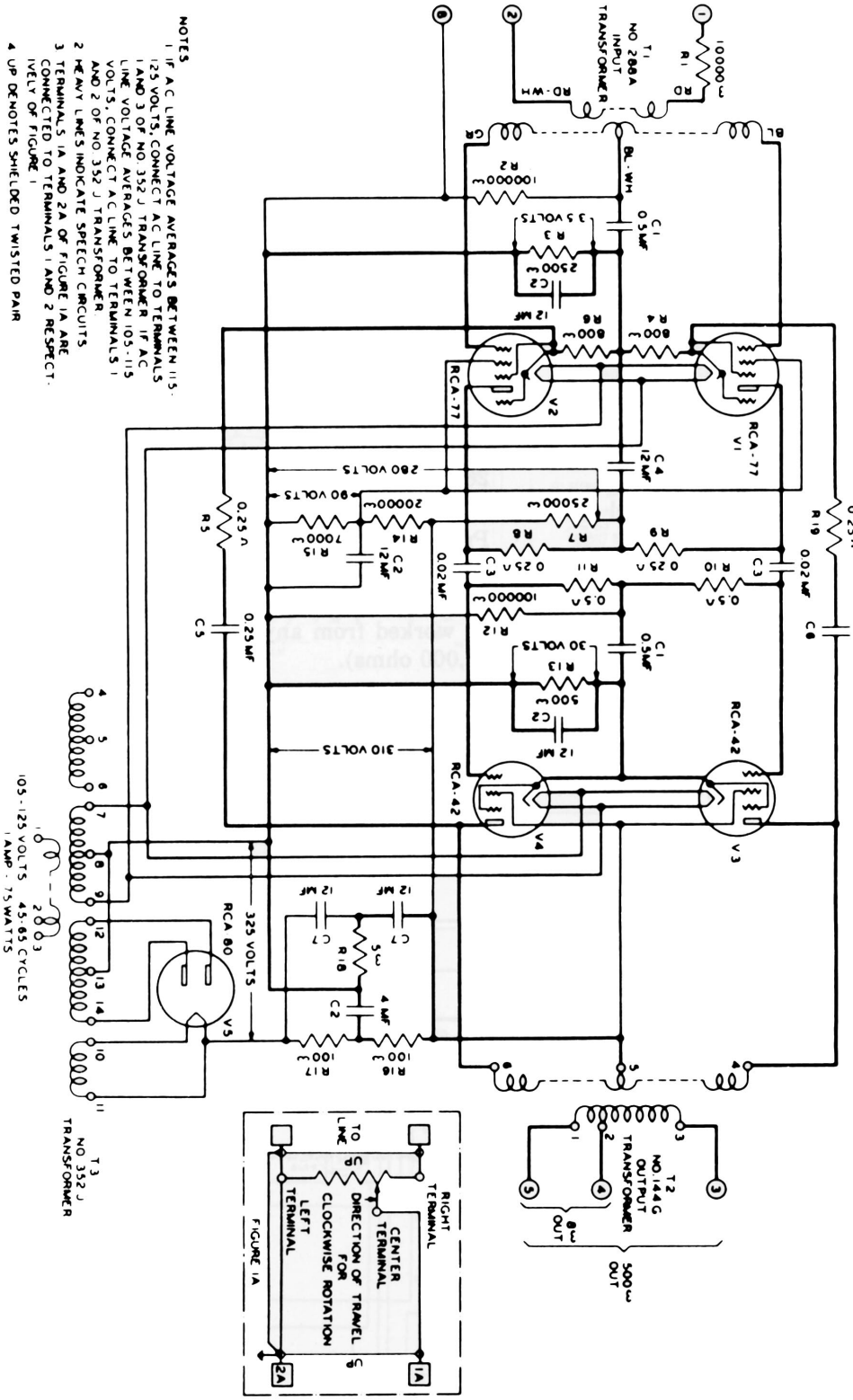


*Figure 1 — Schematic Circuit*

# No. 94-A AMPLIFIER

## *Instructions for Use*

The Western Electric No. 94A Amplifier is intended to be used as a booster or monitoring speaker amplifier in broadcast studios; it is, however, also suitable for a wide variety of other applications.

### ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| **Circuit** | See Figure 1. |
| **Gain (Maximum)** | 45 db (working between a 600-ohm generator and a 500 or 8-ohm output impedance). |
| **Output Power** | 8 watts (or plus 31 db level on the basis of a reference level of 0.006 watts) with approximately 5 per cent total harmonics (harmonics 26 db below the fundamental). |
| **Output Noise Level** | −35 db unweighted −60 db as measured with a Program Noise Meter. |
| **Input Impedance** | 600 ohms (impedance from which amplifier is designed to work. This amplifier may, however, be worked from any impedance between 0 and 12,000 ohms). |
| **Output Impedance** | 500 or 8 ohms (impedance into which amplifier is designed to work). |
| **Frequency Characteristics** | 35 to 10,000 cycles. See Figure 2. |
| **Power Required** | 105-125 volts, 45-65 cycles, 75 watts. Circuit should be fused for 1 ampere using preferably a 1-ampere Fusetron. |

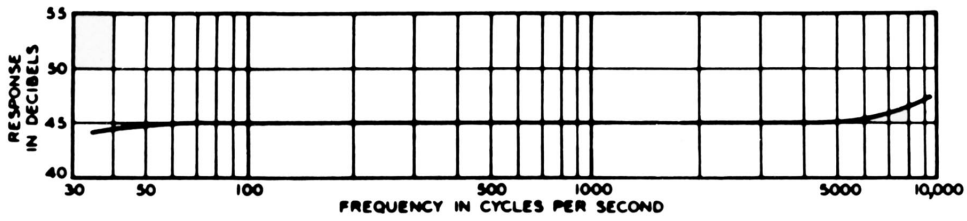


*Figure 2—Frequency Characteristic*