



Fig. 6-53—Circuit of the 200-watt amplifier. Unless indicated otherwise, capacitances are in pf., resistances are in ohms (K = 1000), resistors are ½ watt. Capacitors with no value or designation are 1000-pf. disc ceramic.

C₁—Grid capacitor, 140-pf. (Hammarlund APC-140B)
 C₂—Neutralizing capacitor, 10-50 pf. ceramic trimmer (Centralab 823-BZ)
 C₃—Plate tuning, 250-pf. (Hammarlund MC-250M)
 C₄—Loading capacitor, 1045-pf. (Miller 2113 with stators connected in parallel)
 CR₁-CR₈—800-p.i.v. 500-ma. silicon (1N3196)
 CR₉, CR₁₀—600-p.i.v. 1000-ma. silicon (GE504)
 J₁, J₃—Phono jack
 J₂—Coaxial receptacle
 J₄—Microphone jack
 L₁—3 turns insulated wire around 10th turn from grid end of L₂
 L₂—37 turns No. 20, 1 inch diam., 16 t.p.i. (B & W 3015). Tapped 3, 6, 9 and 25 turns from grid end.
 L₃—8 turns No. 18, ⅝ inch diam., 8 t.p.i. (B & W 3006).
 L₄—18 turns No. 18, 1¼ inch diam., 10 t.p.i. (Air Dux 1010). Tapped 9, 13, 15 and 17 turns from C₄ end.

P₁—Fused plug, 3-ampere fuses
 RFC₁, RFC₂—4 turns No. 18 on 47-ohm 1-watt resistor
 RFC₃—1 mh. 500-ma. r.f. choke (Johnson 102-752)
 RFC₄, RFC₅—1 mh. 75-ma. r.f. choke (National R-50)
 S₁—1-pole 11-position (5 used) rotary ceramic (Centralab PA-1001)
 S₂—1-pole 6-position (5 used) rotary ceramic (Centralab 2501)
 S₄—2-pole 5-position (3 used) rotary ceramic (Centralab 2505)
 S₃—2-pole 6-position (3 used) rotary ceramic (Centralab 2003)
 S₅—D.p.d.t. toggle
 T₁—10,000-ohm c.t. pri., 8000-ohm secondary modulation transformer (Triad M-1X)
 T₂—800 v.c.t. 250 ma.; 6.3 v. 5 amp. (Knight 54A 2548)
 T₃, T₄—125 v. 50 ma.; 6.3 v. 2 amp. (Knight 54A1411)