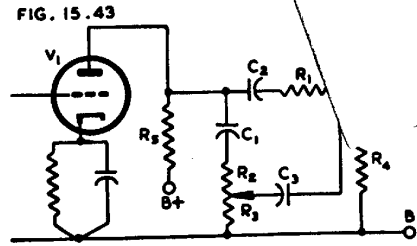


Fig. 15.43. More elaborate single control continuously variable tone control. Typical values are : $V_1 = \text{pentode}$, $R_1 = 5 \text{ M}\Omega$, $R_2 + R_3 = 0.25 \text{ M}\Omega$, $R_4 = 0.3 \text{ M}\Omega$, $C_1 = 0.0001 \mu\text{F}$, $C_2 = 0.05 \mu\text{F}$, $C_3 = 0.001 \mu\text{F}$ (Ref. 62).



(B) Another example is Fig. 15.43 (Ref. 62) which is capable of giving treble boost 18 db at 10 000 c/s and bass attenuation 6 db at 50 c/s in one extreme position ; bass boost 4 db and treble attenuation 21 db in the other extreme.

(C) An interesting circuit which gives simultaneous bass and treble boosting, linear response, or simultaneous bass and treble attenuation is Fig. 15.43A (Ref. 86). The

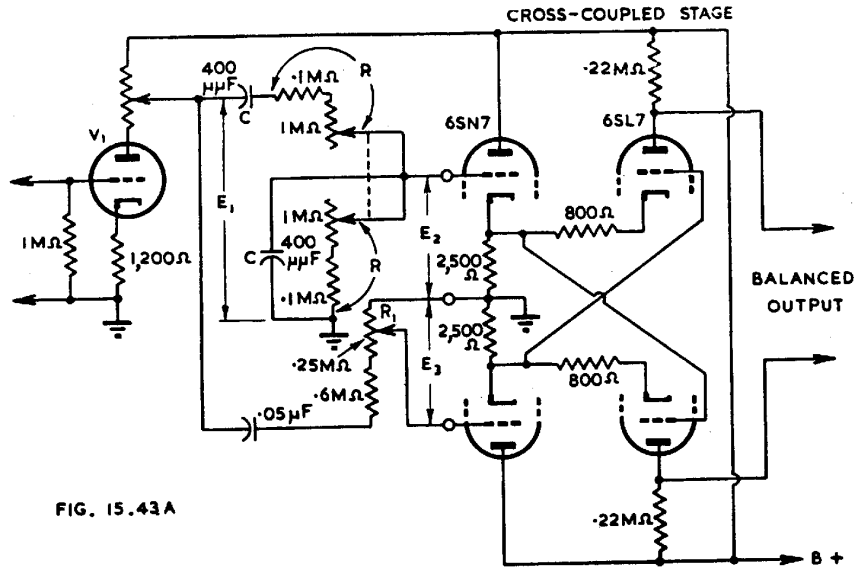


FIG. 15.43A

Fig. 15.43A. Tone control circuit using cross coupled input stage (Ref. 86).

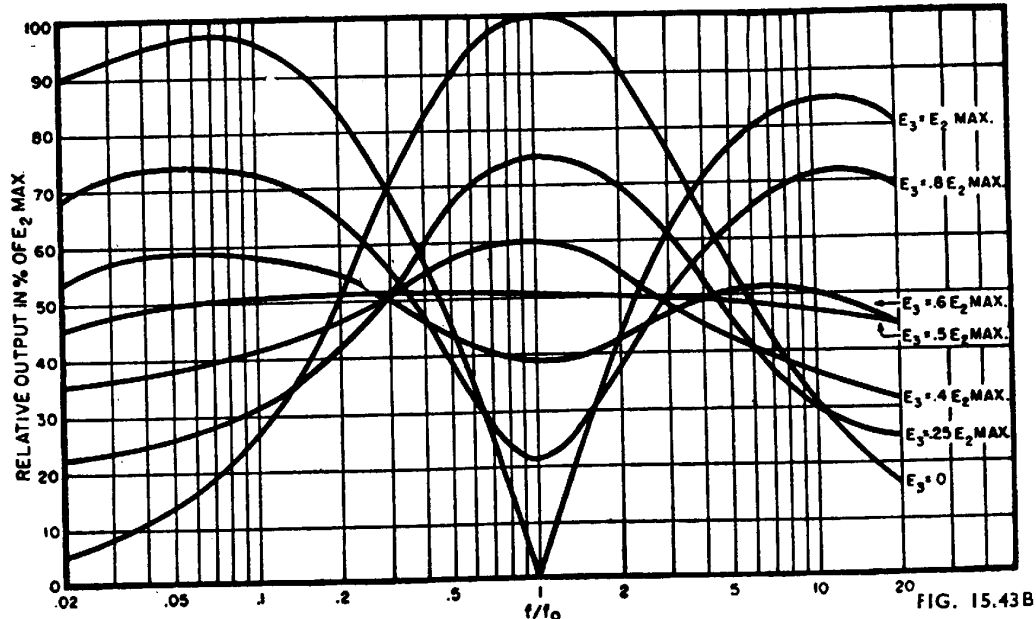


FIG. 15.43B

Fig. 15.43B. Frequency response characteristics of circuit of Fig. 15.43A, the value of R_1 being varied (Ref. 86).