



Figure 1

COMMON TYPES OF SELF-EXCITED OSCILLATORS

Fixed capacitor values are typical, but will vary somewhat with the application. In the Clapp oscillator circuits (G) and (H), capacitors C_1 and C_2 should have a reactance of 50 to 100 ohms at the operating frequency of the oscillator. Tuning of these two oscillators is accomplished by capacitor C . In the circuits of (E), (F), and (H), tuning of the tank circuit in the plate of the oscillator tube will have relatively small effect on the frequency of oscillation. The plate tank circuit also may, if desired, be tuned to a harmonic of the oscillation frequency, or a broadly resonant circuit may be used in this circuit position.