

## Kellog Type 20 – Early AC Power Amplifier



Kellog Switchboard and Supply Co. started around 1925 manufacturing the very early vacuum tubes with AC heaters for Frederick S. McCullough, owner of the patent. At the beginning tubes were advertised under the McCullough brand. Around 1929 Kellog put on the market the same tubes with its own name, as the [Kellog 401](#). The Canadian Rogers had bought the patent rights to produce these tubes and had started its own production since August 1925. Rogers redesigned the cathode for improved performances and reduced hum. Kellog completed its AC tube line adding the output power triode Type 20 in the picture above. This sample, badged as Kellog Type 20 and made in 1931, was actually a Roger P.A. Tube Type 20, as etched on the glass bulb.

The AC heater, connected to the top contacts, should operate at 2.8 V, 1.6 A, as reported by Lud Sibley in 'Tube Lore' for the Rogers R20.