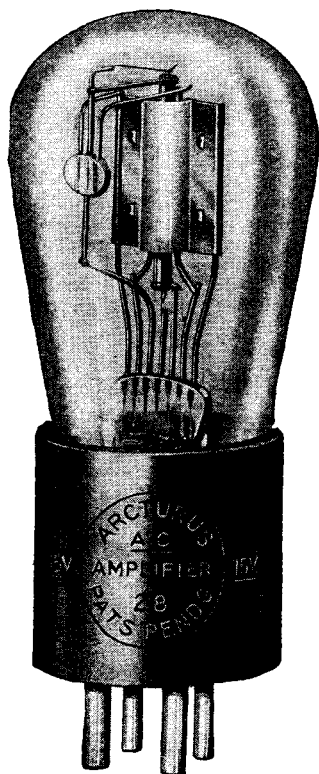


For These Four Reasons



Arcturize your present Radio Set—enjoy all the benefits of A-C Power from your light socket with

ARCTURUS A-C TUBES

Detector / Amplifier / Power

Arcturus A-C Tubes

Have 4 Outstanding Features

1. Exceptional tone quality, volume and sensitivity.
2. Readily adaptable to all circuits using standard sockets.
3. Perfect operation under all normal line voltage variations.
4. Free from hum.

If you have been awaiting the perfection of A-C Tubes before modernizing your present set, send at once for detailed information on the operating characteristics of Arcturus A-C Tubes.

Ask Your Dealer

It doesn't take long or cost much to install Arcturus A-C Tubes in your present set. Your dealer's service man can get engineering instructions for the few simple changes in wiring that are necessary. Always remember that in changing over your set for A-C operation, Arcturus A-C Tubes require the least changes in wiring.

For the Technical Man

The unique advantages which we claim for Arcturus A-C Tubes are directly traceable to unique features of construction and exceptional operating characteristics.

The exceptional long life of Arcturus Tubes is due to the enormous electron supply resulting from the heater operating at a low temperature.

The highly efficient cathode is responsible for the unusual sensitivity of Arcturus A-C Tubes, and for the exceptional volume and tone quality which their use insures. This cathode produces:

1. A high amplification factor

(10.5). 2. A low plate impedance (9,000 ohms). 3. A high mutual conductance (1160 micromhos).

Since the base of the Arcturus A-C Tube is of the standard four prong type, no additional terminals are required, making Arcturus Tubes adaptable to existing circuits with all the simplicity of D-C tubes. No center taps or balancing are required. A common toy transformer may be used. Filament voltage is the same (15 volts) for all types—detector, amplifier and power.

The freedom from hum which is one of the most important features of Arcturus A-C Tubes

is due to the use of low A-C current, only 0.35 ampere. (Disturbing electro-magnetic fields are proportional to alternating current—not voltage.) Arcturus Tubes in all stages are four element tubes with indirectly heated cathodes.

Normal variations in line voltage do not affect the operation of Arcturus A-C Tubes. The amplification factor is practically constant over a wide range of filament voltages—13.0 to 18.0 volts.

The use of a heavy carbon filament enables Arcturus A-C Tubes to withstand even an unusual overload.

ARCTURUS RADIO COMPANY, INC.

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