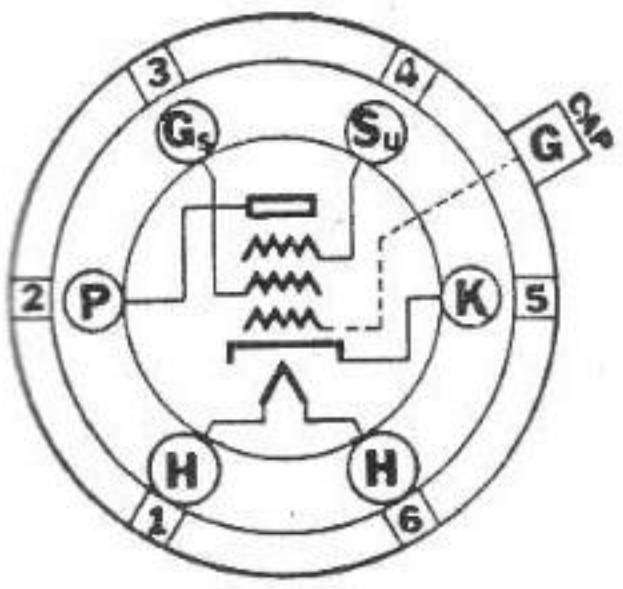

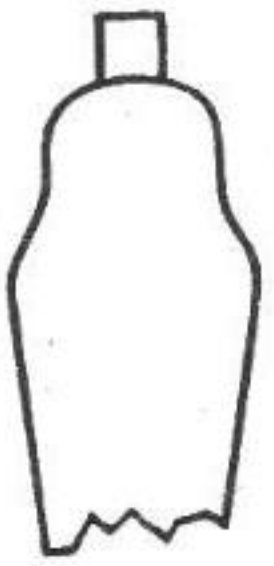

Sylvania

TYPE 57AS

(FOR MAJESTIC SETS)

TRIPLE GRID AMPLIFIER

CHARACTERISTICS

Heater Voltage AC or DC	6.3 Volts
Heater Current	0.4 Ampere

Direct Interelectrode Capacitances:

Grid to Plate (with tube shield)	0.010 $\mu\mu$f Max.
Input	5.0 $\mu\mu$f
Output	6.5 $\mu\mu$f
Maximum Over-all Length	$4\frac{15}{16}$"
Maximum Diameter (without external shield)	$1\frac{9}{16}$"
Bulb	ST-12
Cap	Small Metal
Base—Small 6-Pin	6-F

(Continued)

Operating Conditions and Characteristics:

AMPLIFIER

Heater Voltage	6.3	6.3 Volts
Plate Voltage	100	250 Volts Max.
Grid Voltage	−3	−3 Volts
Screen Voltage	100	100 Volts Max.
Suppressor	Tie to Cathode	
Plate Current	2.0	2.0 Ma.
Screen Current	0.5	0.5 Ma.
Plate Resistance, Greater than	1.0	1.5 Megohms
Mutual Conductance	1185	1225 μmhos
Amplification Factor, Greater than	1185	1500

For **Circuit Application** refer to Sylvania Type 6C6.

It will be noted that all except four types have the 4-pin base. In every instance, however, the base connections are the same. Pins other than the standard filament or heater pins are not connected. All bulbs are "inside frosted" and with the exception of Type 2 are either ST-12 or ST-16 size.

Due to the confusion in ballast tube type numbers there has been considerable misunderstanding as to the correct type of tube to be used for replacement purposes in receivers. When such a condition arises the correct type can easily be determined. All the Sylvania ballast tubes listed on Page 145 will replace any ballast tubes having the same type numbers. Furthermore, Sylvania ballast tubes for battery sets will also replace any ballast tubes for similar service, regardless of designating type numbers, providing the filament current load is identical and the basing arrangement is the same. The same is true for the Sylvania ballast types employed in AC-DC service provided that, in addition, the average tube voltage drop is also the same.

A typical battery receiver circuit which incorporates a Type 1E1 ballast tube is shown on Page 167.