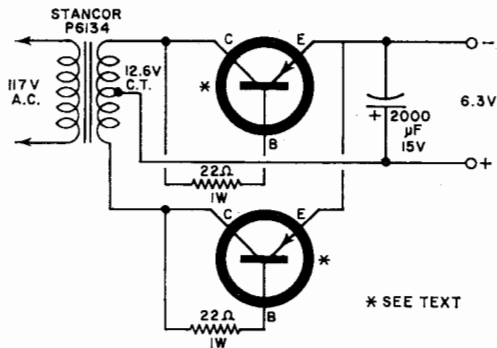


**Heater D.C. Supply.** *I am building my own hi-fi gear and would like to eliminate all the possibilities of encountering a.c. hum problems by supplying d.c. to the heaters of the preamplifier tubes. These tubes take 6 volts apiece. Do you have a diagram of such a supply?*

The d.c. filament (heater) supply shown in the diagram below should solve your problem. The output of this transistorized sup-



ply is around 9 volts with no load and 6.3 volts under load. If you have a fairly good sized heat sink, any of the following transistors can be used in this circuit: 2N235A, 2N251, 2N307A, 2N376A, or GE-3.