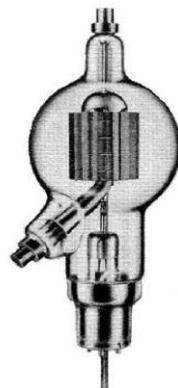


Tube of the Month  
The 1000T

The EIMAC Company produced a series of glass power triodes for all power levels from the 25T to the 2000T by about 1943. Many of the tubes, at least up to the 450TH size, were widely used by the military in WWII and became very popular with hams after the War when they became surplus. The very large tubes, the 1500T and 2000T, may not have been used by the military to any extent. The 1000T also seems not to have had a military history and today is one of the most uncommon of the EIMAC power triodes.

The 1000T was always a mystery to me as the advertisements for the tube always showed it with a stem sticking out of the base like a lolly pop stick.



I always wanted to at least see one to examine that stem. When I was able to add one to the collection, there wasn't a stem, but there was a hole in the middle of the base. That stem was obviously important to EIMAC who always illustrated it. A clue may be the use of the old 4 pin bayonet "50 watt" socket. That socket was used with power tubes like the 250TH which had a filament that drew 50 watts. When they made the 450TH, with its 90 watt filament, they wired the filament leads in parallel to carry the current. The 1000T tube drew 116 watts and had the same parallel filament leads. I believe the increased heat combined with the poor air circulation in the socket required forced air cooling in the base and the air stem was required to cool the filament seals. The larger triodes used a special heavy duty base that had an air tube molded into the ceramic. Even if the tubes were available in surplus, the hassle of adding a small air pump would not have been a popular feature.

During the War, research on a new tetrode line of tubes in this power class culminated in 1947 with the offering of the 4-750A/4-1000A and that may have sealed the fate of the old triode. Today it's just rare and beautiful.

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