



## AN UNUSUAL TELEVISION SET

### CYCLOPS

I originally acquired this television set from a fellow PARS member several years back while at one of the Pittsburgh Antique Radio Society Meets. The cabinet for the set is a very straightforward design with little frills and surprisingly, it is also very light. The lack of a power transformer coupled with an aluminum chassis for this 7 inch tv makes this set one of the lightest that I have encountered in the time I have collected and restored vintage televisions.

It uses selenium rectifiers in the power supply, a 7JP4 picture tube and a filament transformer to light some of the tubes while the remainder of the tubes are lighted in a series string arrangement.

The chassis reminds one of an earlier **Teletone** TV-149 in the way the chassis is laid out, but not exactly. There are differences enough to make one wish for a Sams Photofact folder of which there is none, or a schematic at least. It boasts a water or oil filled magnifier which is attached permanently to the faceplate of the receiver with an on light indicator installed in the upper center of the screen. which projects the beam through the magnifier.

The channel selector is numbered channels 2 thru 13 indicating this set was manufactured about 1949. I could find no *Airmaster* models listed in the literature or a tube layout or schematic of this particular set so I assume it must have been sold in limited numbers. The Grille is a bit odd in that sound emanates from either side of the panel board in the center. Doesn't make for crisp sound.



It is a worthy addition to a television collection not only because of its construction, but of its survival rate. This set could use refinishing since the original finish is flaking and cracking in many areas, but I decided it has more charm the way it is now and for now I propose to let it as is. The kraftboard paper back is original to the set; however, it is in a fragile condition after having been removed and reinstalled many times



Rear View of the Airmaster television set

The second photo shows the layout of the chassis in a rear view, and its many tubes but few shields. This set almost appears that it is from an earlier time i.e., the early 40's but the tubes used belie that since most of the tubes are the miniature variety. The size of the cabinet is 16 inches deep by 22 3/4 inches wide by 34 1/2 inches high.

In restoration of this receiver, the first order of the day was to replace the oil filled capacitors .005 at 6000 volts. Next all out of tolerance resistors were replaced when the value varied more than 10 percent of nominal value. In a set this old, these capacitors definitely cause problems and it is always best to replace them as a matter of course. The high voltage setup on this set is an RF power supply using an air core transformer, and the voltage generated for the picture is adequate in this a 7 inch set.

While other television sets of the period were heavy with a massive power transformer contributing to the weight coupled with a stamped steel chassis, this set is easy to move around and also to work on and brings in stations on cable very nicely using a converter box. This is one of the rarer post war televisions and likely to remain so since most of them found their way into the scrap heap long ago. A nice receiver for the collection. This is the first Airmaster television set that I have encountered although I have seen other Airmaster models in radios, I wonder if maybe they came from the same company? The drawing at right shows the tube lineup on the chassis: TPD



