

Upgrading a Collins 30L-1

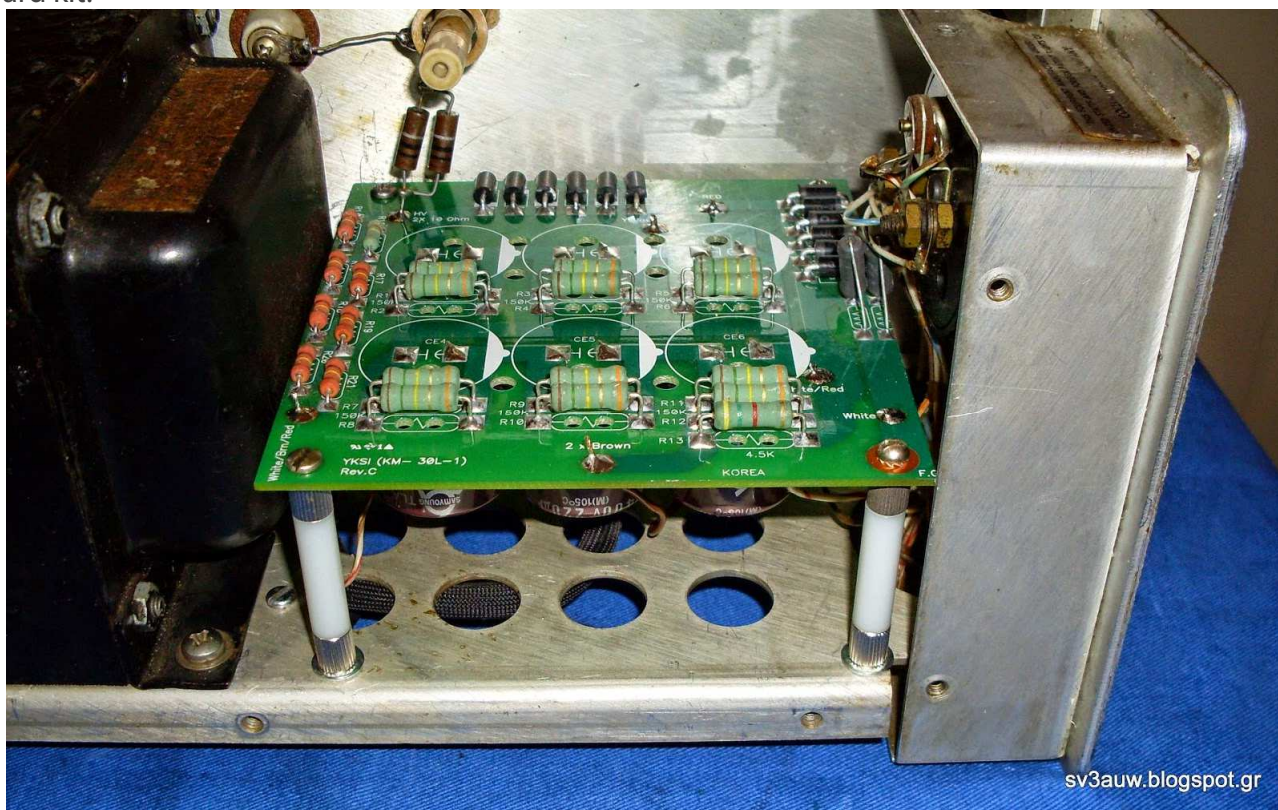


sv3auw.blogspot.gr

In view of the forthcoming permanent move to Kalamata, I have begun to restore or improve the radios that will be used in the shack. After the TS-830s next in line was the JEWEL of my collection.

The Collins 30L-1 amplifier!

So far I have changed the boards of rectification and filtering circuits of high voltage with a diode filter board kit.



sv3auw.blogspot.gr

I purchased it before many years to install it sometime. Well, this "sometime" came now! Using the electronics lab of my business partner (I stress, business!) Tolis SV1EDY, I've started doing it. A few nights ago, I installed the high voltage Board, since, as you can see in the pictures the old had visible problems. The stand-off pillars are hollow and the bolts are passing all the way to the underchassis. Notice the star washer at the lower right one! I lit it, saw voltages and shine off.



HV no load = 1920 VDC

HV load = 1830 VDC

Bias voltage no load = -170 VDC

Bias voltage load = -120 VDC

No bang!

Last night I changed the pull-down resistance of the antenna relay and did some voltage measurements.

<https://sv3auw.blogspot.fr/2015/01/ode-to-joy-or-otherwise-restoring-my.html>