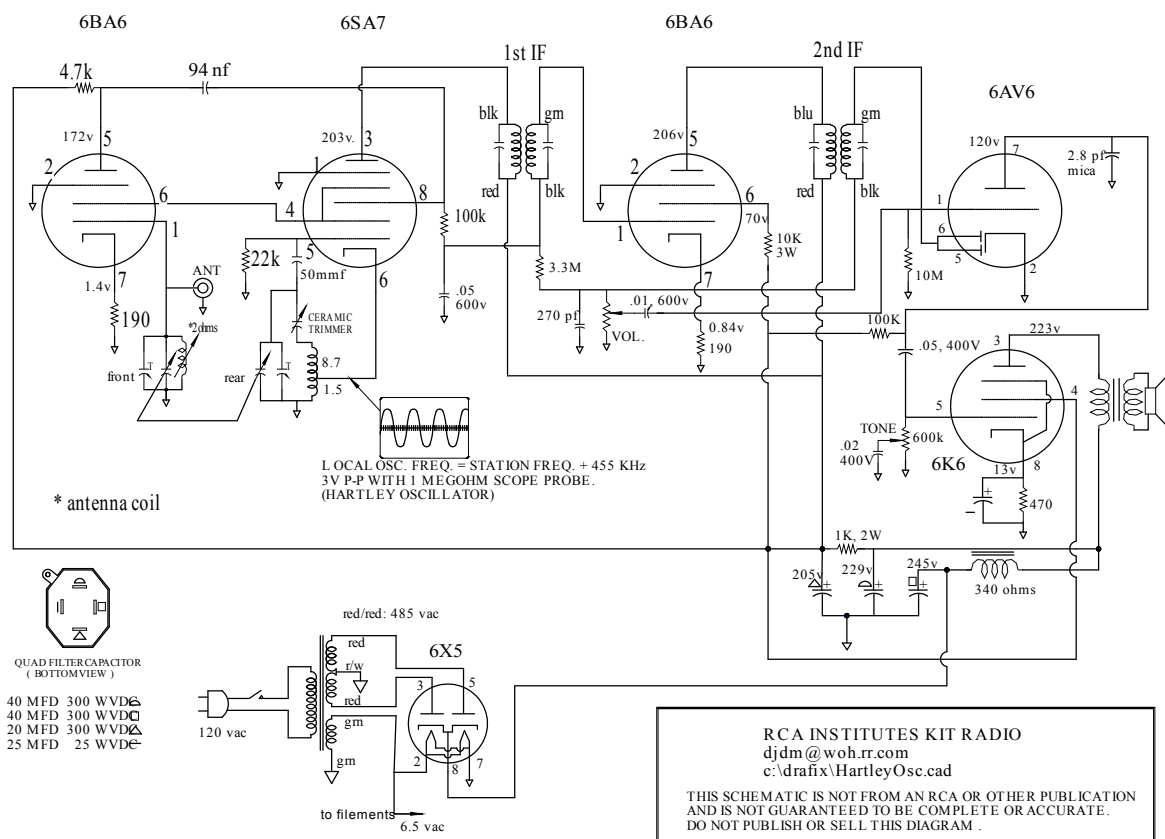


This RCA Institutes kit radio was acquired in May 2021 in an antique shop for six dollars. It was completely wired except for missing the filament ground wire for the 6SA7 oscillator. Therefore, the radio had never played and sat for about 60+ years. The 6SA7 is a metal envelope tube and the student could not observe that the filament was not lit. All others are in parallel and are glass. A schematic could not be located on line and this is my traceout of the circuit. Where I show an antenna connection, the phono jack on the back was wired as a phono input to the volume control. It serves better as a convenient antenna jack. The tubes checked as new and the filters show no ripple or hum; I changed no components. The radio came in a plain but well constructed wooden cabinet. I assume it is the original. The radio quality is excellent, it has good sensitivity and plays well.

So, here is the schematic if anyone else is looking. DaveM2 WD8PHN



RCA\_kit.pdf