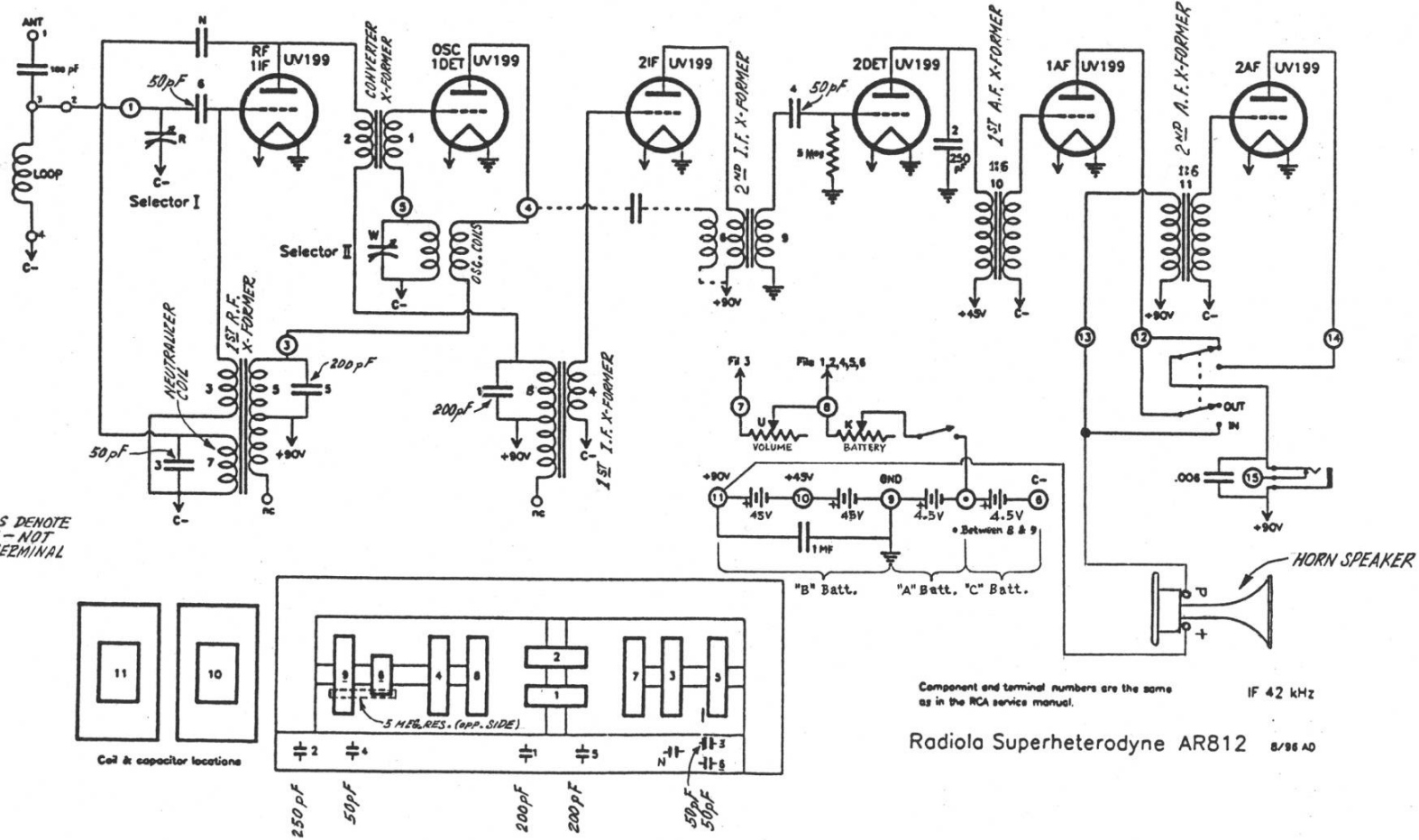


# Functional Schematic of the RCA AR812 Superhet

provided by Alan Douglas

The RCA AR812 and all the other RCA superhets of the period were built with major portions of the circuitry buried in the dreaded catacomb, a metal container potted with a tar-like substance. The objective was to hide the precious superhet circuit from competitors; it also keeps many collectors from ever servicing their RCA supers. Even the RCA service books and bulletins of the time were short on

accurate, easily understood schematics. Alan Douglas has solved this problem, with the aid of a computer to which he has access. He used a program called Tango<sup>®</sup>, which required that he remove most of the symbols in the component libraries (after all, what self-respecting antique radio buff would have need for a j-k flip-flop or a quad nand gate?) and create his own. Radio Age has reproduced Alan's schematic at nearly full scale, so you can copy it, letter-sized for your RCA notebook, on a copier and still read it with ease.



## CAT. COILS (D.C. RESISTANCE)

#1 = 13 Ω	#8 = 32 Ω
2 = 10 Ω	9 = 220 Ω
3 = 55 Ω	10 = 1000 Ω PRI. & 6000 Ω SEC.
4 = 160 Ω	11 = 1000 Ω PRI. & 6000 Ω SEC.
5 = 33 Ω	
6 = 55 Ω	
7 = 55 Ω	

