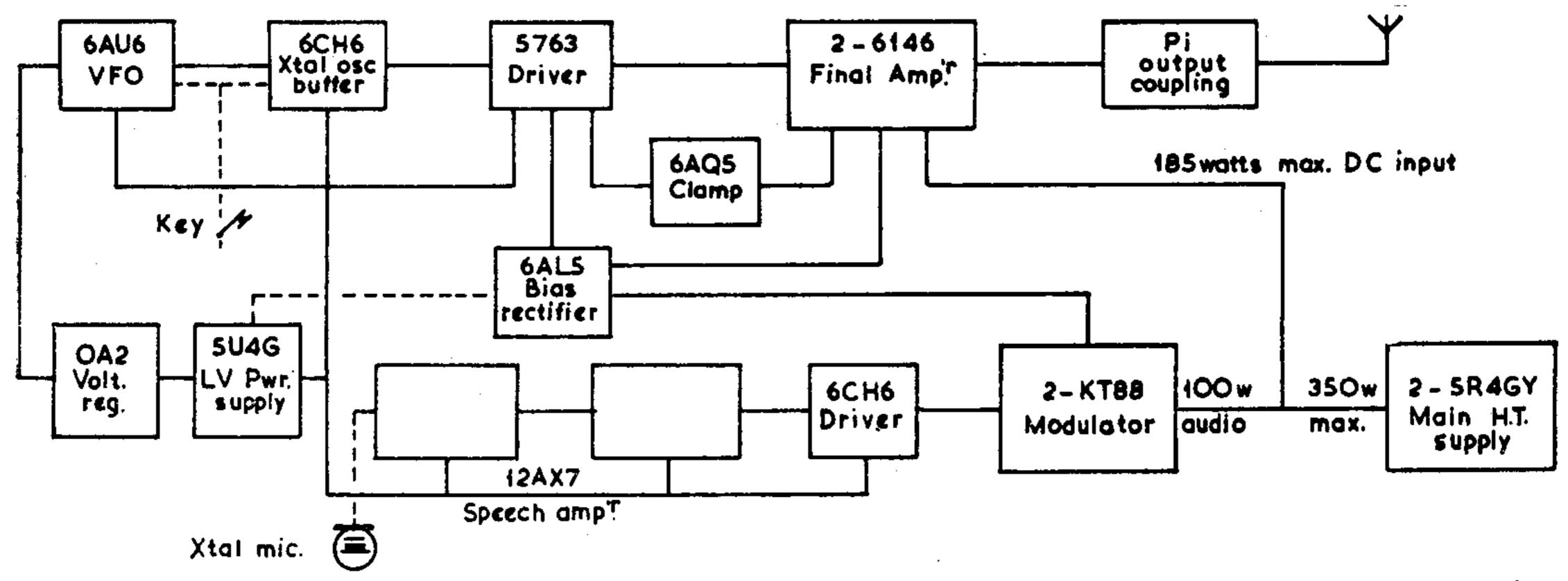
The DX 100U was the international version of the DX 100B. The main difference with its cousin for the American market was that the mains transformer was designed for European voltages. Other differences include simplified crystal facility (only one position), a different pattern in the two-tone paint of the front panel, and a different tube complement : 6CH6 tubes are used instead of 12BY7 and KT88 tubes (the British version of the 6CA7) replace the 1625 tubes in the modulator. Another major difference was the presence on the rear apron of a toggle switch used to reduce the PA input to 10 watts, in order to comply with British regulations of the time for 160 metres. I do not have a schematic diagramm for

the modification, but it mainly consisted in reducing the drive and the high voltage of the final.



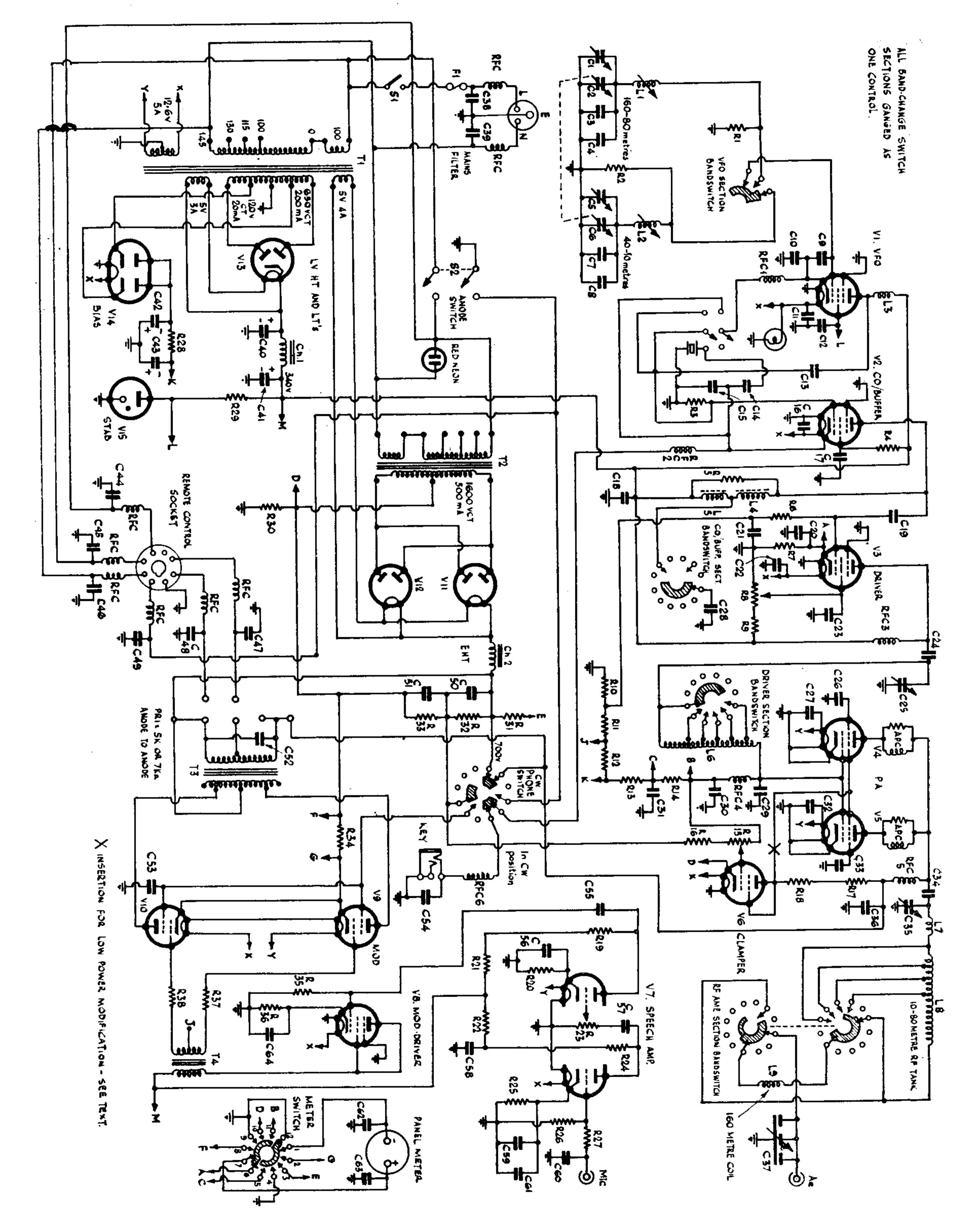
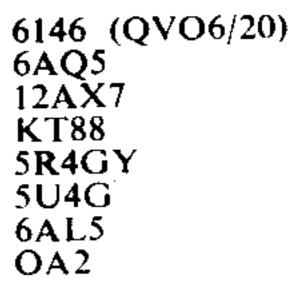


Table of Values

Circuit of the DX-100U CW/AM Phone Transmitter

C1, C5 = 20 $\mu\mu$ F - C26, C28, C2 = 35 $\mu\mu$ F - C34, C36 = .001 μ F - R = 470 ohms = 114.5 μ H = $\sqrt{6} = 6.00$ $\sqrt{6}$ = $\sqrt{6}$	Table of values				
C1, C5 = 20 $\mu\mu$ F - C26, C28, C2 = 35 $\mu\mu$ F - C34, C36 = .001 μ F - R = 470 ohms = 114.5 μ H = $\sqrt{6} = 6.00$ $\sqrt{6}$ = $\sqrt{6}$					
$C_{23} = i_{23} \mu \mu r$	$C2 = 35 \ \mu\mu F$ $C3, C7,$ $C19, C29 = 47 \ \mu\mu F$ $C4 = 10 \ \mu\mu F$ $C6 = 11 \ \mu\mu F$ $C8 = 4.7 \ \mu\mu F$ $C9, C10,$ $C55, C57 = 510 \ \mu\mu F$ $C11, C12,$ $C16, C17,$ $C18, C20,$ $C21, C22,$ $C23, C27,$ $C30, C31,$ $C32, C38,$ $C39, C44,$ $C45, C46,$ $C47, C48,$ $C49, C54,$ $C61, C62,$ $C63 = .005 \ \mu F$ $C13 = 100 \ \mu\mu F$ $C14 = 22 \ \mu\mu F$ $C15 = 150 \ \mu\mu F$	C33 = .001 μ F C34, C36 = .001 μ F, 2 kV wkng. C35 = 300 $\mu\mu$ F C37 = 500 + 500 + 500 $\mu\mu$ F C40, C41 = 40 μ F, elect. C42, C43 = 20 μ F, elect. C50, C51 = 125 μ F, elect. C52 = .02 μ F, 2 kV wkng. C53, C58 = 0.1 μ F C60 = 220 $\mu\mu$ F R1 = 22,000 ohms R2, R10, R12, R13 = 2,200 ohms R3, R19, R22 = 100,000 ohms R4, R5, R21 = 47,000 ohms R6 = 27,000 ohms R7 = 1.02 ohms	R11 = 470 ohms R14 = 5.55 ohms R15, R23 $\frac{1}{2}$ -megohm potentiometer R16, R24, R26, R35 470,000 ohms R17, R18 10,000 ohms R20, R25, R27 4,700 ohms R28, R37, R38 = 1,000 ohms R29 = 15,000 ohms, 5w. R30, R34 = 0.1 ohm R31 = 1 megohm R32, R33 = 15,000 ohms R50 ohms R5C Filter chokes RFC1, RFC2, RFC4 = 1.1 mH choke RFC3 = 2.5 mH choke RFC5 = 1 mH 500 mA choke	L1 = 114.5 μ H L2 = 9.3 μ H L3 = 28.0 μ H L4 = 6.5 μ H L5 = 15 μ H L6 = 10-160m. driver L7, L8 = 10-80m. PA tank L9 = 160m. PA coil S1 = SPST toggle S2 = DPDT toggle APC = Anti-parasitic c h o k e s o n resistor forms, 4t. on 47 ohms T1 = 650-120-0v./200 mA T2 = 800-0v./500 mA T3 = M od x for mer, 2,800-ohm sec./ 5,000-ohm pri., A-A. T4 = Driver x former, 2:1. V1 = 6AU6 (EF84) V2, V8 = 6CH6	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

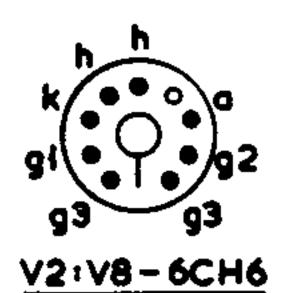


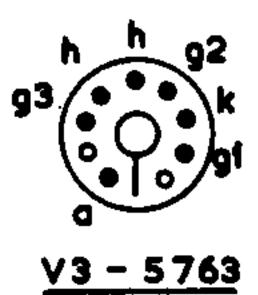
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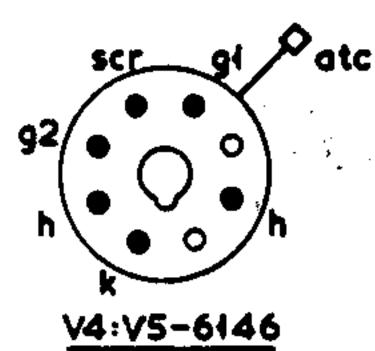
ircuit complete 100U, for which are given here. to 150 watts is ainable on any I, with ample ion capability.

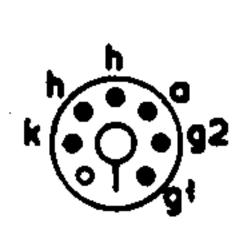


<u> 1-6446</u>

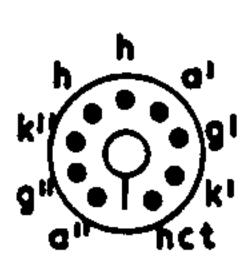




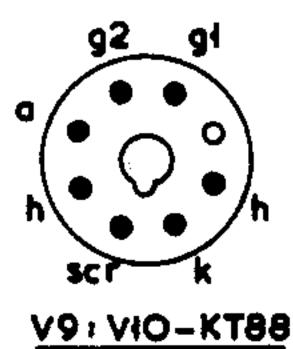


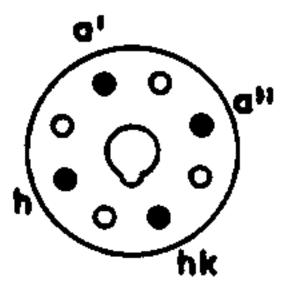


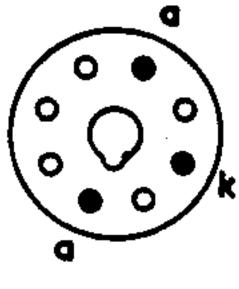
V6-6AQ5











<u>V15: 0A2</u>

