

MODELS. BOSTON, BRENTWOOD BROCTON AND BROOKLYN

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TECHNICAL INFORMATION

COVERING

PACEMAKER BROADCAST RECEIVERS

MANUFACTURED BY COLLIER & BEALE Ltd.

TYPE SET — A.C. Superheterodyne. Mantel set, console and table radiograms.

TUBES (Five)—6BE6 Converter, 6BA6 I.F. Amp., 6AV6 Det.-A.F., 6AQ5 Power Output, 6X4 Rectifier.

POWER SUPPLY—230 v. A.C. Rating 25 watts.

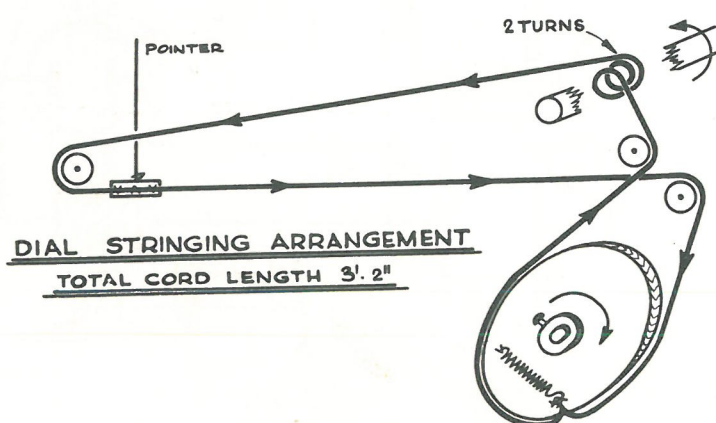
TUNING RANGE—Broadcast, 535-1530 kc.

ALIGNMENT INSTRUCTIONS

To set pointer, fully mesh condenser and set pointer at last reference mark at left end of dial. Set volume control at maximum and keep output from signal generator no higher than necessary to obtain output readings. Use insulated alignment tool for adjusting.

Dummy Antenna	Signal Generator Coupling	Sig. Gen. Frequency	Radio Dial Setting	Output Meter	Adjust	Remarks
0.1 μ fd. R.M.A. Standard	High Side to pin No. 7 (grid) of 6BE6. High side to ant. terminal	455 Kc. 1400 Kc. 1400 Kc.	High freq. end 1400 Kc. 1400 Kc..	Across voice coil " "	A1, A2, A3, A4. C17 C18	Adjust for maximum output " "

CAPACITORS			MISCELLANEOUS			RESISTORS		
Ref. No.	Cap.	Volts	Ref. No.	Res., Pri.	Res., Sec.	Ref. No.	Res.	Watts
C1-A-B	50 μ fd.	250	E80	14 ohm	14 ohm	R1	10 meg	$\frac{1}{2}$ watt
C1-C	10 μ fd.	250	784	20 ohm	2.7ohm	R2	2 meg	$\frac{1}{2}$ watt
C2	25 μ fd.	25	187	0.25 ohm	2.44 ohm	R3	500K	Pot
C3	0.25 μ fd.	350				R4	500K	Pot
C4	0.05 μ fd.	"				R5	500K	$\frac{1}{2}$ watt
C5	0.02 μ fd.	"				R6	100K	$\frac{1}{2}$ watt
C6-7	0.01 μ fd.	Ceramic	TR5571-2	Volts 230	Volts 175/175	R7	100K	$\frac{1}{2}$ watt
C8-9	0.005 μ fd.	"		Type	Transformer	R8	50K	$\frac{1}{2}$ watt
C10	0.005 μ fd.	350	SP1*	5 x 7 PM	5000 ohm	R9	50K	1 watt
C11	0.003 μ fd.	mica	S1	SPST attached to R4		R10	20K	$\frac{1}{2}$ watt
C12	500 μ fd.	"	S2	DPDT Gram switch		R11	10K	$\frac{1}{2}$ watt
C13	362 μ fd.	Sil.mica	CV	Polar C90-02/1 (swing 351 μ fd.)		R12	7K	$\frac{1}{2}$ watt
C14	250 μ fd.	mica	P.L.	6.5 v.0.3 amp. M.E.S. tub. lamp		R13	5K	$\frac{1}{2}$ watt
C15	100 μ fd.	ceramic				R14	3K	1 watt
C16	50 μ fd.	"				R15	500 ohm	$\frac{1}{2}$ watt
C17-18	3-30 μ fd.	trimmer				R16	300 ohm	1 watt
C19	5 μ fd.	ceramic				R17	6ohm	1 watt



BASS COMPENSATION

Bass compensation has been achieved by the combination of values chosen for the plate-feed circuit (R6 R9 C5) of the 6AV6 stage.

The change of reactance of C5 with frequency, modifies the effective plate-load impedance presented to the tube.

This results in a greater gain as the frequency is reduced.

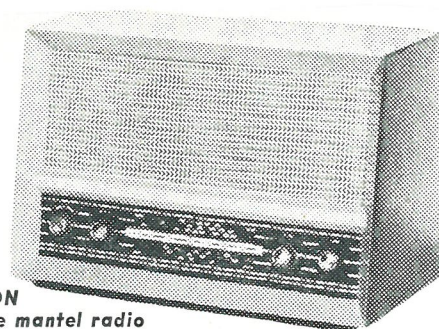
(illus for "Brooklyn" model)



**ERENTWOOD
5-valve Console
radiogram**

Attractive honey oak cabinet, illuminated multi-colour dial. Collaro 4-speed gram unit with Ronette OV pick-up. Rola 12-inch speaker. Retail price £69/19/6.

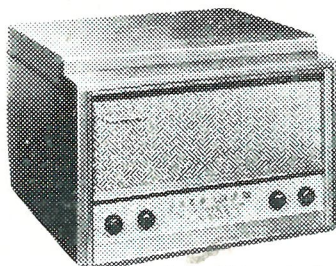
1957
S/B 140



**BOSTON
5-valve mantel radio**

A little charmer sure to win many of your customers' hearts. Two-tone walnut and tawa cabinet, neat and efficient styling. Terminals for extension speaker and gram player. Clean, easily read full length dial. Retail price £25/17/6.

1957
S/B 140



**BROCTON
5-valve
table
radiogram**

Contemporary styled cabinet in honey and dark oak, with Collaro 4-speed gram unit, full vision multi-coloured dial. Also the BROOKLYN—conservatively styled but identical in performance. Both retail at £47/7/6.

1957
S/B 140