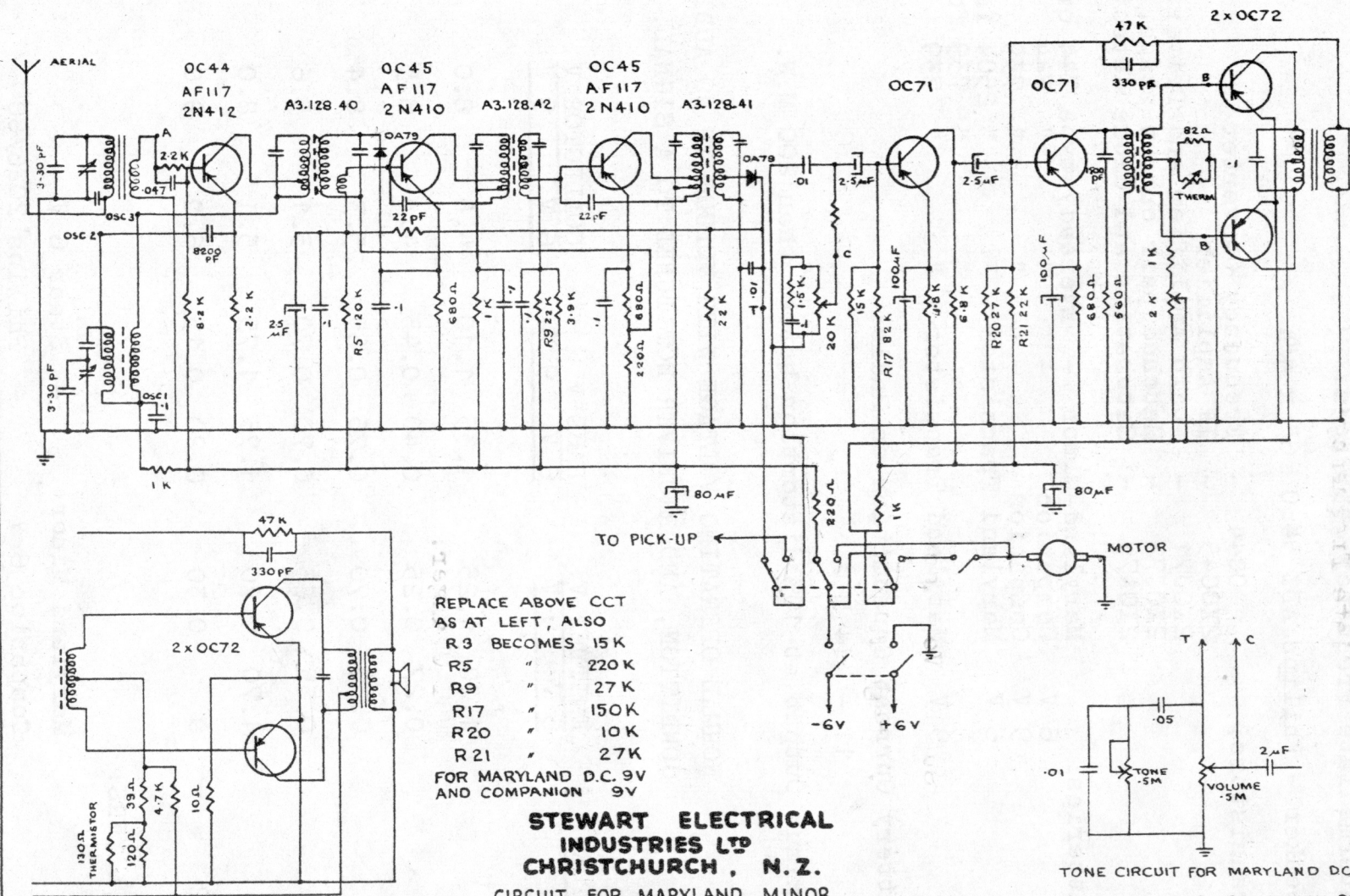
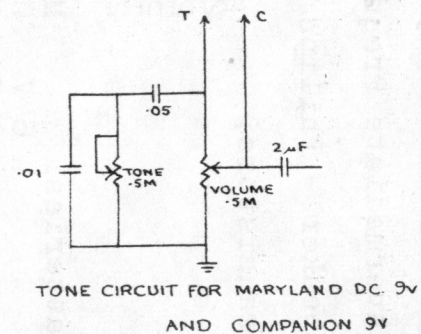




REPLACE ABOVE CCT
AS AT LEFT, ALSO
R3 BECOMES 15 K
R5 " 220 K
R9 " 27 K
R17 " 150 K
R20 " 10 K
R21 " 27 K
FOR MARYLAND D.C. 9V
AND COMPANION 9V

**STEWART ELECTRICAL
INDUSTRIES LTD
CHRISTCHURCH, N.Z.**
CIRCUIT FOR MARYLAND MINOR
WITH AMENDMENTS FOR
D.C. MARYLAND 9V
COMPANION 9V



STEWART MARYLAND MINOR - COMPANION - TRANSISTOR MARYLAND

TECHNICAL INFORMATION:

Frequency Range: 535 Kc/s - 1600 Kc/s.

Intermediate Frequency: 455 Kc/s.

Speaker - Philips ADZ 3460 6" x 4".

Transistors: OC44 - Frequency Converter
2XOC45 - IF Amplifier
2XOC71 - Audio Amplifier and Driver.
2XOC72 - Matched pair output stage.
2XOA79 - Saturation and diode detector

Batteries: Maryland Minor - Eveready type 744 or 2504
6 V Companion - " " 744
9 V Companion - " " 739
6 V Maryland Transistor - " " 2504 for Radio
" " 739 for Changer
9 V Maryland Transistor - " " 739

Battery Current Consumption on Radio:

11 - 14 M.A.

Maximum Output at 10% distortion better than 200 M.W.

NORMAL OPERATING VOLTAGE WITH VOLUME IN NO AUDIO OUTPUT
CONDITION, AND RECEIVER NOT TUNED TO A SIGNAL.

<u>TRANSISTOR:</u>	<u>EMITTER V</u>		<u>BASE V</u>		<u>COLLECTOR V</u>	
	<u>6 V</u>	<u>9 V</u>	<u>6 V</u>	<u>9 V</u>	<u>6 V</u>	<u>9 V</u>
OC44	1.20	1.25	1.35	1.10	4.8	8.0
OC45	0.27	0.25	0.40	0.45	4.8	8.5
OC45	0.60	0.70	0.75	0.85	5.3	8.4
OC71	0.65	0.65	0.70	0.70	3.1	5.6
OC71	1.70	1.70	1.75	1.75	5.1	8.0
2X OC72	0	0.30	0.20	0.15	6.0	9.0

RECORD PLAYERS:

Maryland Minor - Staar 6 V
Companion 6 V - Philips 2026/60
Companion 9 V - B.S.R. G.U.7 battery
Maryland Transistor - B.S.R. U.A.14 9 V record changer.