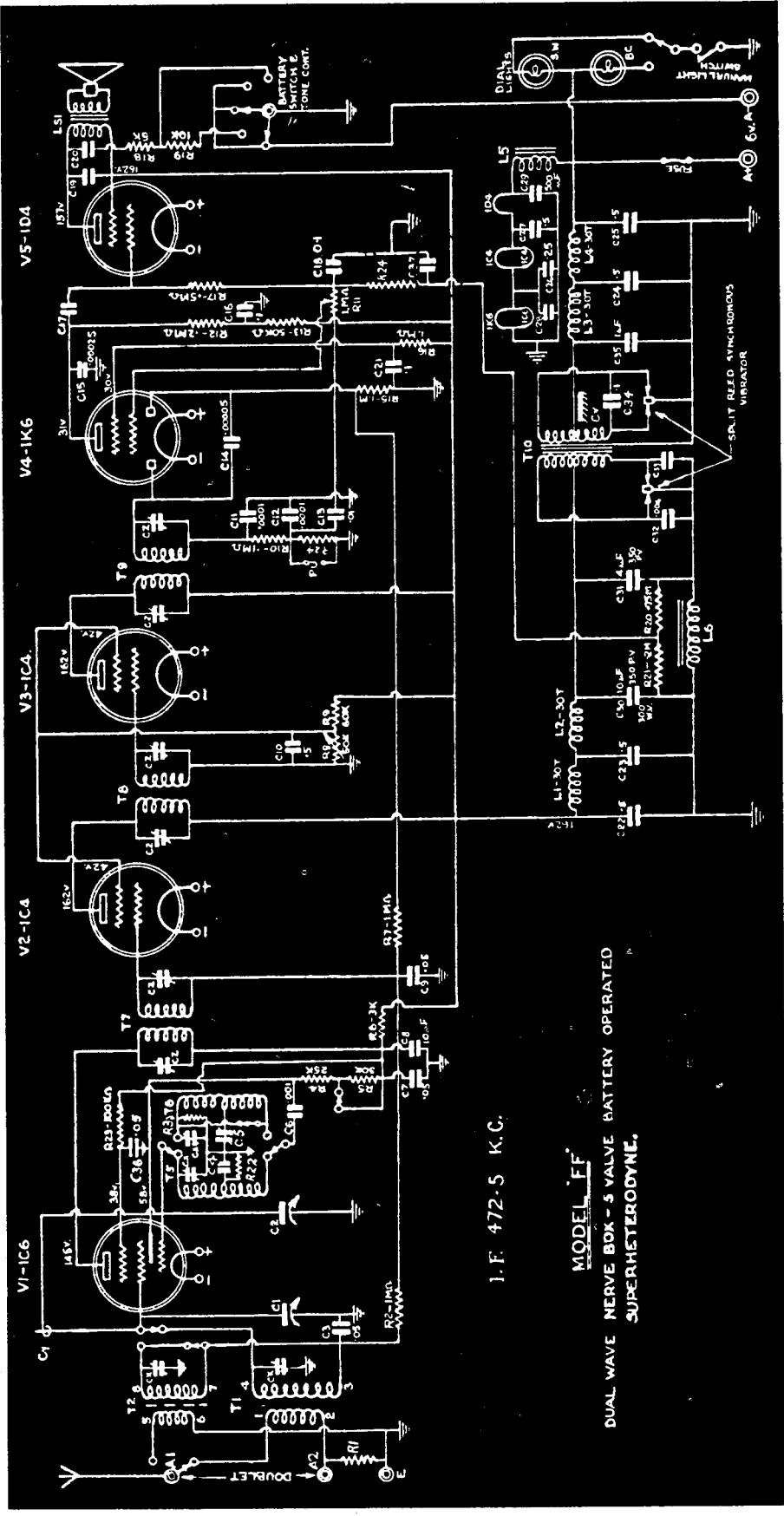


# "Astor" Vibrator Powered Dual-Wave Console Models 770 DW and 770 DWL



1.5F 472-5 K.C.

## MODEL "FF"

DUAL WAVE NERVE BOX - 5 VALVE BATTERY OPERATED SUPERHETERODYNE.

### COMPONENT VALUES.

#### RESISTORS.

R1, R2, R10, R23—100,000 ohms, ½ W.; R3, R13—50,000 ohms, ½ W.; R4, R22—25,000 ohms, ½ W.; R5—30,000 ohms, ½ W.; R6—3,000 ohms, ½ W.; R7, R14, R15, R16—1 megohm, ½ W.; R8 (PR124)—50,000 ohms, 1 W. adl. carbon; R9—60,000 ohms, ½ W.; R11 (PR126)—1 megohm, volume control; R12—R21—200,000 ohms, ½ W.; R17, R24—500,000 ohms, ½ W.; R18—5,000 ohms, ½ W.; R19—10,000 ohms, ½ W.; R20—750,000 ohms.

#### COILS, ETC.

T1 (PT101)—S.W. aet. coil; T2 (PT102)—B.C. aet. coil; T5 (PT103)—S.W. osc. coil; T6 (PT104)—B.C. osc. coil; T7 (PT105)—1st I.F. trans., 472.5 kc.; T8 (PT106)—2nd I.F. trans., 472.5 kc.; T9 (PT114)—3rd I.F. trans., 472.5 kc.; T10 (PT115)—power trans.; L1,

ASTOR

770 DW, 770 DWL

Chassis Type "FF"

Uses 8-inch, permag. loudspeaker.

L2, L3, L4 (PT116)—special air-core filter chokes; L5 (PT112)—filament choke; L6 (PT108)—500 ohms, filter choke; L51—1,500 ohms speaker field.

#### CONDENSERS.

C1, C2 (PC149)—13.5/387 mmfd., 2-gang variable; C3, C9—0.05 mfd., 200 v., paper; C4—3,500 mmfd., mica, S.W. padder; C5 (PC148)—150/500 mmfd., B.C. padder; C6—0.001 mfd., C7, C20, C36—0.05 mfd., 400 v., paper; C8, C30 (PC107)—10 mfd., 250 v.; C10, C22, C23—0.5 mfd., 400 v.; C11, C12—100 mmfd., mica; C13, C17—0.01 mfd., 400 v., paper; C14—50 mmfd., mica; C15—250 mmfd., mica; C16, C18, C21, C34, C37—0.1 mfd., 400 v., paper; C19—0.005 mfd., 400 v., paper; C24, C25 (PC118)—0.5 mfd., 120 v., shielded; C26—0.25 mfd., 200 v.; C27—0.5 mfd., 200 v.; C28, C29 (PC120)—800 mfd., 8 v., separate double unit condensers; C31 (PC116)—14 mfd., 300 v., W.; C32, C33—0.004 mfd., 2,000 v., mica; C35 (PC139)—1 mfd.; Cx—coil

trimmer cond.; Cx—approx. 2 mmfd. "gimmick" for neutralisation of space charge effect in C6. This is composed of a short length of insulated wire connected to the osc. section of the tuning gang, and having its free end twisted around the mixer input grid lead; Cz—I.F.T. trimmers.

#### SUNDRIES.

Dial Lamps—PM127, 6.3 v., 0.15 A.; Fuse—10 A.; Double-contact, battery switch and tone control—PM110; split-speed vibrator—PM126.

#### ALTERATIONS.

In earlier models of this series it will be found that C37 (0.1 mfd.) and R24 (500,000 ohms) have been omitted. These were added on 1/3/37 and at the same time C18 (0.1 mfd.) was changed from 1.0 mfd. to its present value. Servicemen will find it advantageous to alter the earlier models to conform with the present circuit.