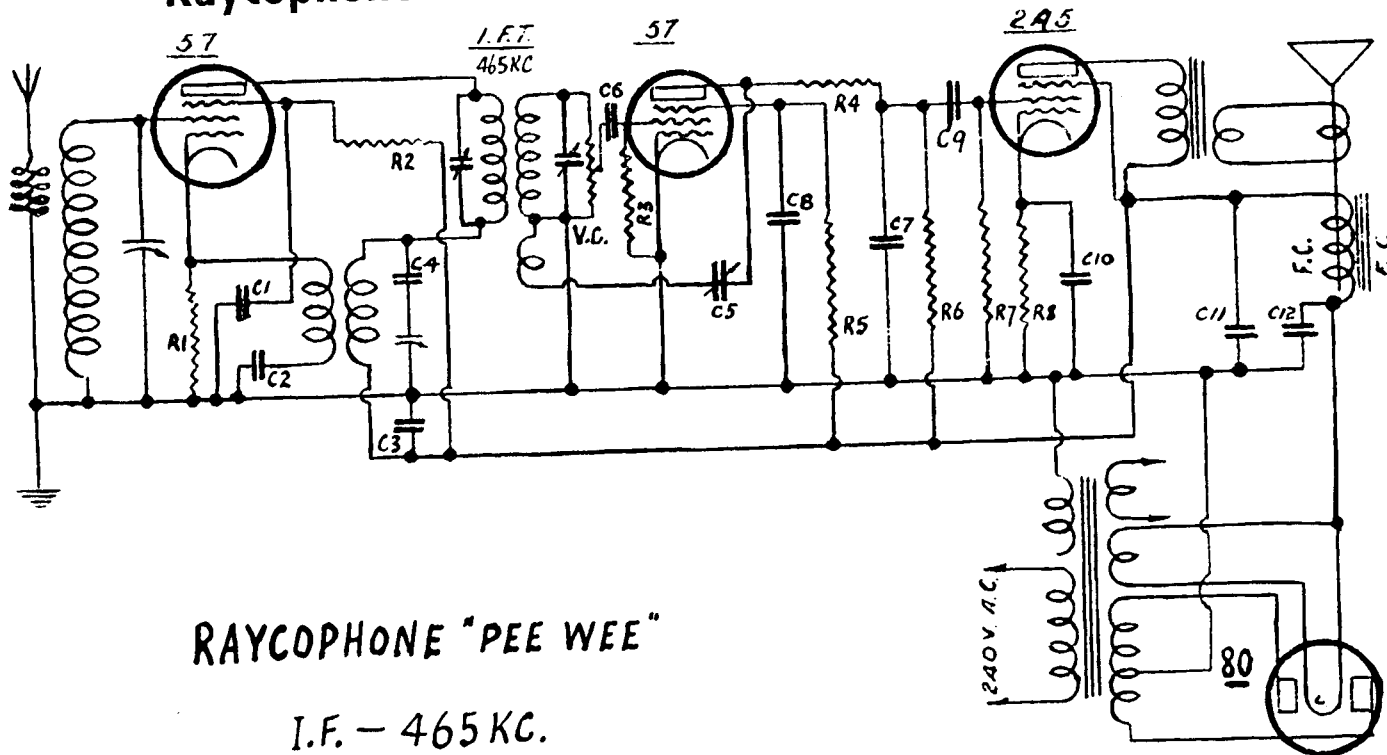


"Raycophone" A.C. Broadcast "Pee-Wee" Midget



RAYCOPHONE "PEE WEE"

I.F. — 465 KC.

The Raycophone "Pee-Wee" is a four-valve midget receiver designed for broadcast coverage and operation from A.C. mains. This receiver uses a compact speaker with a field-coil resistance of 2,500 ohms. Two panel controls are fitted for volume control and tuning and, in addition, a pre-set trimmer is provided under the chassis for adjustment of second detector regeneration. This

model was marketed during 1933. Note particularly that No. I.F. amplifier stage is used, although the receiver in other respects is perfectly straightforward in design.

COMPONENT VALUES

RESISTORS.

R1—5,000 ohms, 1 W.; R2, R6—0.25 meg., 1 W.; R3—2.0 meg., 1 W.; R4—50,000 ohms,

1 W.; R5—1.0 meg., 1 W.; R7—0.5 meg., 1 W.; R8—400 ohms, w.w.; V.C.—500,000 ohms vol. cont.

CONDENSERS.

C1, C8, C9—0.01 mfd., mica; C2—0.0015 mfd., mica; C3—0.1 mfd., paper; C4—0.0005 mfd., padder; C5—reaction control, 100 mmfd. trimmer; C6—0.00025 mfd., mica; C7—0.0005 mfd., mica; C10—25 mfd., 25 v. W., electro.; C11, C12—8 mfd., high-voltage, electro.