

note: 32 in tetraode (not pentode)

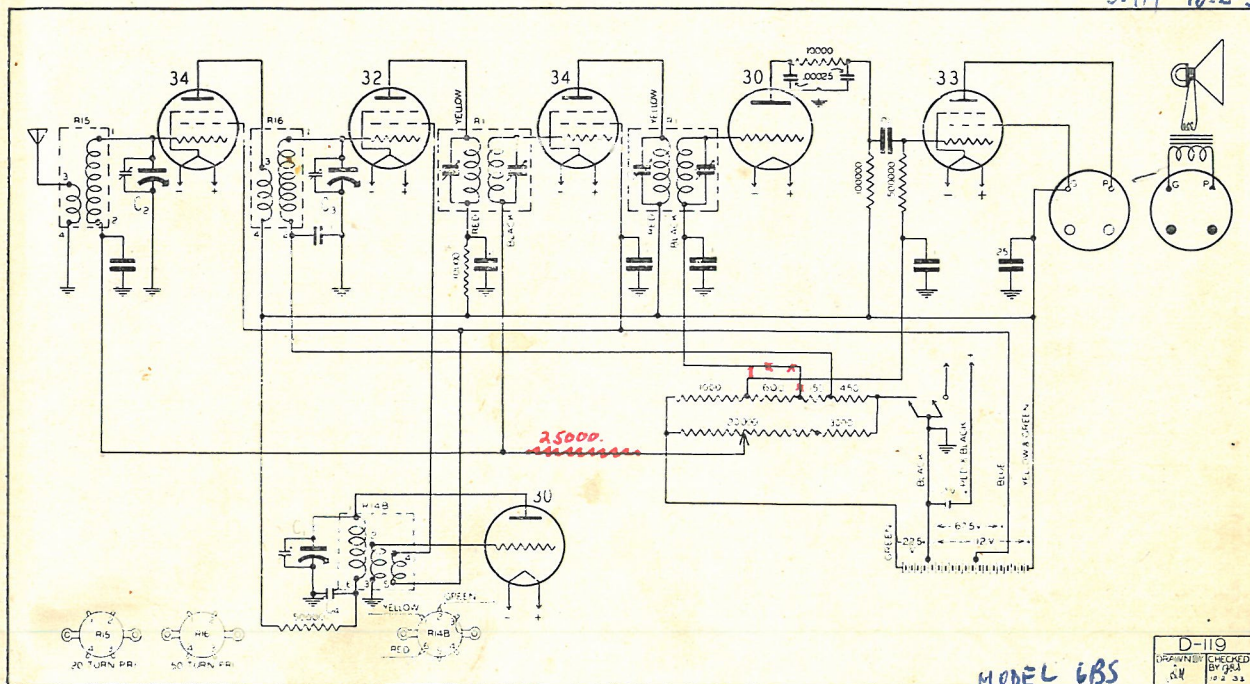
Also Pacific

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CIRCUIT AND DATA.
COURTENAY BATTERY TYPE SUPERHETERODYNE MODEL 6BS.
2 Volt Filaments.

MODEL 6BS
6 Valve
Battery Super

D-119 10-2-33



VALVE VOLTAGES.

Valve.	Function.	Heater.	Plate.	Screen.	Grid.
33	Output	2. Volt	100	112	-12.
30	2nd Det.	2. "	75*	—	-12.
34	I.F. Amp.	2. "	110	67.5	-3 to -22.5
32	Converter	2. "	110	67.5	-4.5
34	R.F. Amp.	2. "	112	67.5	-3 to -22.5
30	Osc.	2. "	40*	—	0

* Read on 500 volt scale, 1000 Ohms/volt voltmeter.

COIL RESISTANCES.

Coil:	Measured at:	Ohms.
Speaker Input Trans.	"Grid to Plate" Speaker socket.	600
All I.F. Trans.	(See circuit).	50-80
R.F. and Ant. Coil Sec.	Nos. 1 to 2 of R16 and R15.	6
R.F. Coil Pri.	Nos. 3 to 4 of R16.	40
Ant. Coil Pri.	Nos. 3 to 4 of R15.	2
Osc. Coil.	Nos. 1 to 6 of R14B.	5

STAGE TO STAGE SENSITIVITY TO GIVE 18.7 VOLTS OUTPUT.

Frequency.	Input applied to:
175 K.C.	480,000 Micro-volts to grid of 30 2nd detector.
175 K.C.	24,000 Micro-volts to grid of 34 I.F. Amplifier.
175 K.C.	600 Micro-volts to grid of 32 Converter.
1400 K.C.	.8 Micro-volts/meter to set's antenna (through dummy antenna).
1000 K.C.	3. Micro-volts/meter to set's antenna (through dummy antenna).
600 K.C.	12. Micro-volts/meter to set's antenna (through dummy antenna).

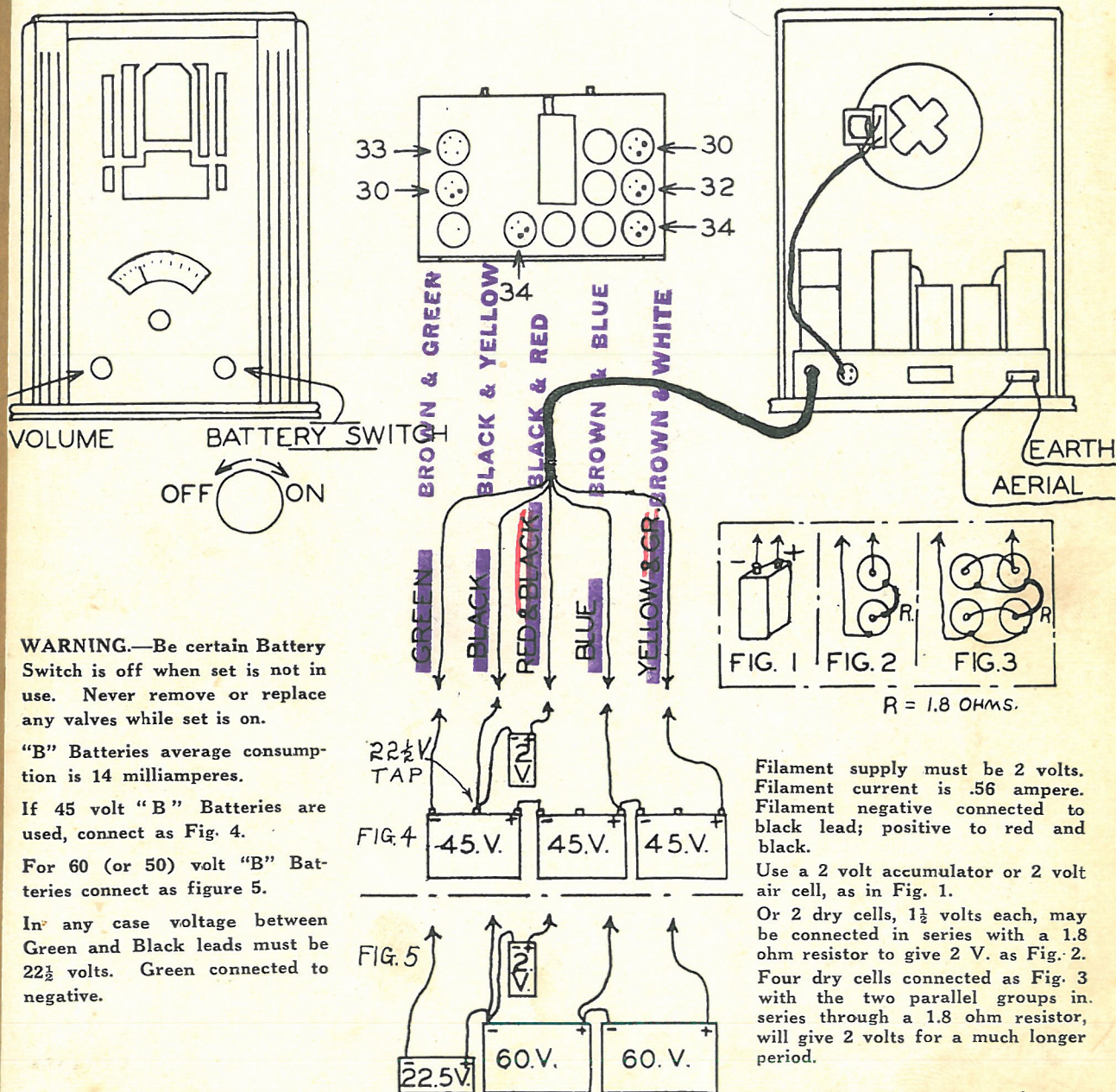
Note: H T unswitched for allow' c' battery to be switched off as only 3 p switch on pot.

6

NOTE—Copy of this sheet and a 1.8 Ohm resistor is supplied with each receiver.

“COURTENAY” SUPERHETRODYNE

Battery Type. 2 volt filaments.
MODEL 6BS—1933.



WARNING.—Be certain Battery Switch is off when set is not in use. Never remove or replace any valves while set is on.

“B” Batteries average consumption is 14 milliamperes.

If 45 volt “B” Batteries are used, connect as Fig. 4.

For 60 (or 50) volt “B” Batteries connect as figure 5.

In any case voltage between Green and Black leads must be 22½ volts. Green connected to negative.

Filament supply must be 2 volts. Filament current is .56 ampere. Filament negative connected to black lead; positive to red and black.

Use a 2 volt accumulator or 2 volt air cell, as in Fig. 1.

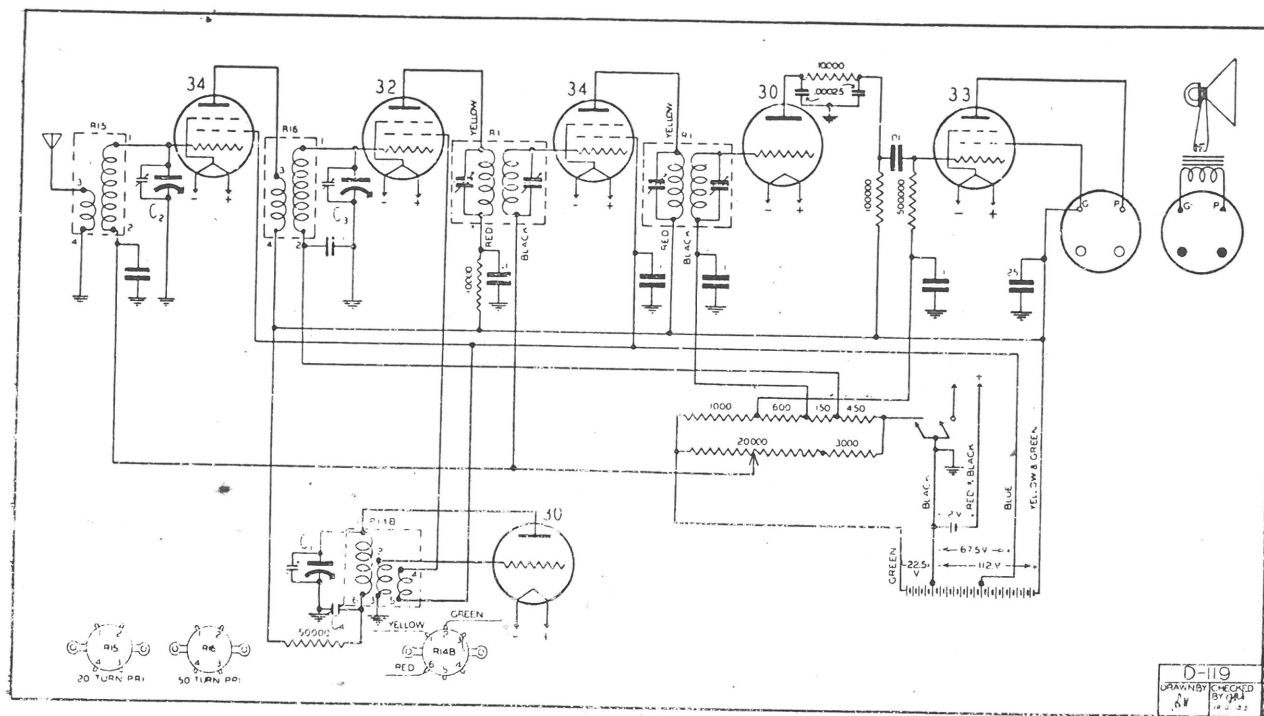
Or 2 dry cells, 1½ volts each, may be connected in series with a 1.8 ohm resistor to give 2 V. as Fig. 2. Four dry cells connected as Fig. 3 with the two parallel groups in series through a 1.8 ohm resistor, will give 2 volts for a much longer period.

same cabinet as model 123

6A

CIRCUIT AND DATA.
PACIFIC BATTERY TYPE SUPERHETERODYNE MODEL 6BS. 1933
2 Volt Filaments.

6 Valve
Battery Super



VALVE VOLTAGES.

Valve.	Function.	Heater.	Plate.	Screen.	Grid.
33	Output	2. Volt	100	112	-12.
30	2nd Det.	2. "	75*	—	-12.
34	I.F. Amp.	2. "	110	67.5	-3 to -22.5
32	Converter	2. "	110	67.5	-4.5
34	R.F. Amp.	2. "	112	67.5	-3 to -22.5
30	Osc.	2. "	40*	—	0

* Read on 500 volt scale, 1000 Ohms/volt voltmeter.

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175 K.C. 600	Micro-volts to grid of 32 Converter.
1400 K.C. .8	Micro-volts/meter to set's antenna (through dummy antenna).
1000 K.C. 3	Micro-volts/meter to set's antenna (through dummy antenna).
600 K.C. 12	Micro-volts/meter to set's antenna (through dummy antenna).