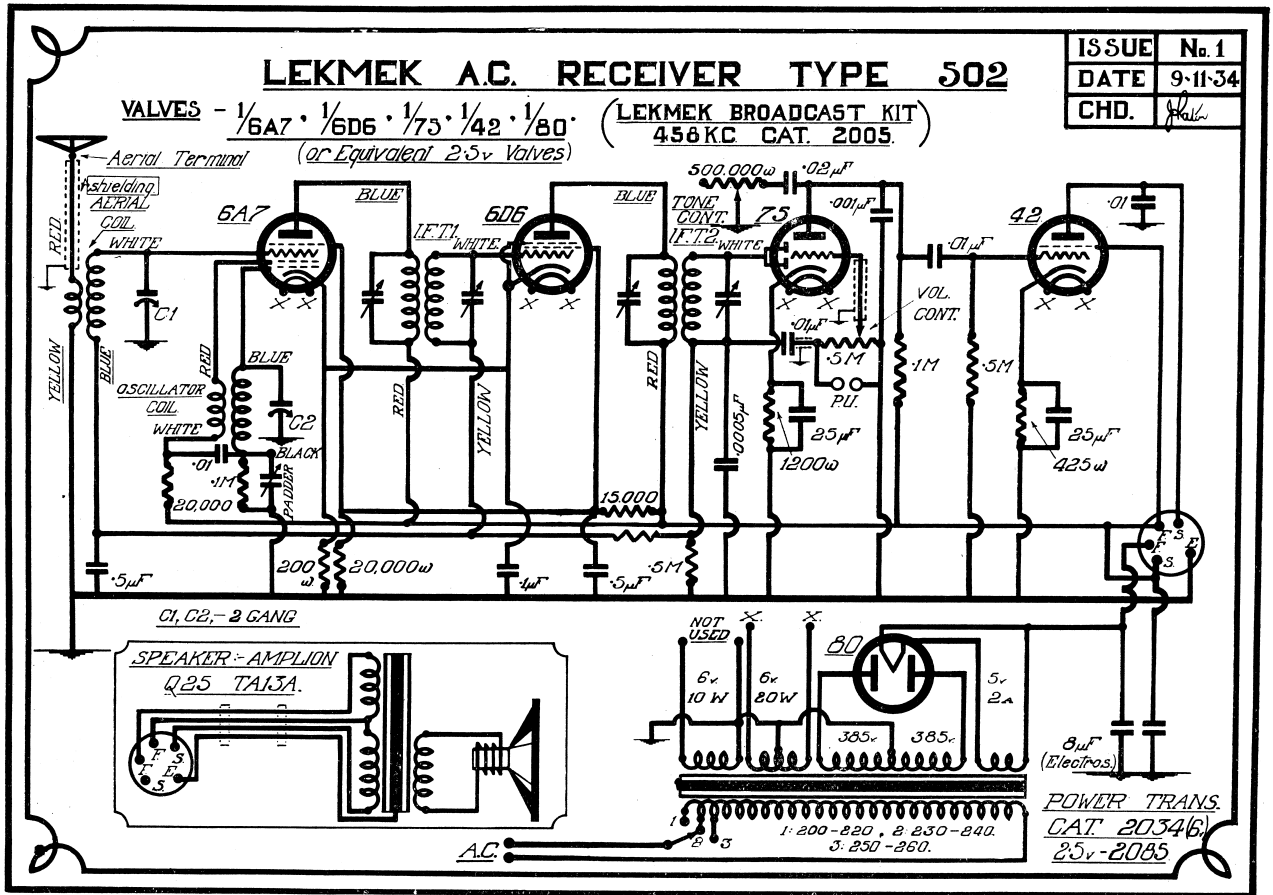
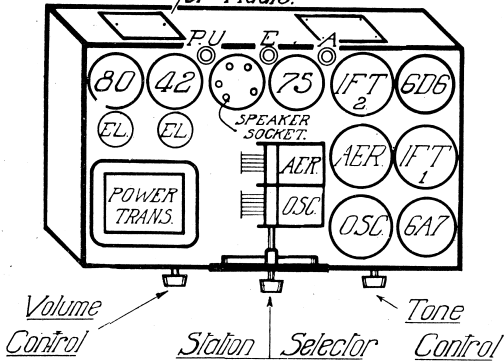


# LEKMEK RADIO LABORATORIES

TYPICAL CIRCUIT FOR KIT. CATALOGUE 2005



*PICK-UP* — Connect the Pick-up leads between Terminals P.U. and E. Disconnect the leads when using the set for Radio.



**LEKMEK MODEL 502 FIVE VALVE A.C.**

### LIST OF PARTS:

- |   |  |
|---|--|
| 1 Lekmek Broadcast "D" Kit. Cat. 2005                               | 1 Condenser Tubular .02 mf   |
| 1 Lekmek Power Transformer 6.3V—Cat. No. 2034 Or 2.5V—Cat. No. 2085 | 1 " " .1 mf  |
| 1 Chassis Base 14" x 8" x 3"  | 3 " " .5 mf  |
| 1 Suitable Dial   | 2 " " 25 mf  |
| 2 Electrolytic Condensers 8 mf (500V test)                          | 1 Socket 7 pin (small)   |
| 2 Potentiometers .5 meg.  | 3 Sockets 6 pin  |
| 1 Resistor 15,000 ohms  | 1 Socket 5 pin (spkr.)   |
| 2 " 20,000 "  | 1 Socket 4 pin   |
| 2 " 100,000 "   | 3 Valve Shields  |
| 2 " 500,000 "   | 1 Pilot Lamp 6V or 3.5V  |
| 1 Resistor W.W. 200 ohms 50 ma's                                    | 3 yds. Power Flex and Adaptor  |
| 1 " " 1200 " 50 "   | 3 Knobs  |
| 1 " " 425 " 50 "  | 4 Terminals  |
| 1 Condenser Mica .0005 mf   | Wire, Spaghetti, Grid Clips, Screws, Lugs (etc.)                           |
| 1 " " .001 5mf  | Valves—1/6A7, 1/6D6, 1/75, 1/42, 1/80, or 1/2A7, 1/58, 1/2A6, 1/2A5, 1/80. |
| 4 " " .01 5mf   | Speaker—2,500 ohms, Single 42 or 2A5 Output                                |

Read carefully the accompanying General Instruction Sheet.

**Special Notes.**—Automatic Volume Control is incorporated. Shield the following leads with earthed braid: Aerial terminal to aerial coil, volume control to grid of 2nd Det., and volume control to .01 mf condenser.

**BATTERY VERSION.**—As there is a wide range of battery valves and circuits, constructors are left to choose their own set, provided that they use 1A6, 1C6 or 6A7 as first Detector Oscillator. For instance:—

For a 2-volt "A" Battery use a circuit with valves type: 1A6 or 1C6 Osc. Det.; 15 I.F.; 15 2nd Det.; 33 Output. "A" Drain 6 volts .8 amps.

For a 6-volt "A" Battery use a circuit with valves type: 6A7 Osc. Det.; 15 I.F.; 15 2nd Det.; 38 Output (3, 15's in series) "A" Drain 6 volts .7 amps.

Use this Kit for Wireless Weekly's "Pentagrid Four", 25/5/34.

**LAYOUT.**—Follow Electric Layout, omitting transformers and electrolytics.

Watch Technical Journals for circuits, published from time to time incorporating Lekmek Kits.