

A PORTFOLIO  
OF

# PHOTO-CIRCUITS

SIMPLIFYING THE BUILDING  
OF

MODERN  
RADIO RECEIVERS

COMPILED BY



*Levensons Radio*

## FOREWORD....

This reprint has been produced in an attempt to assist with the preservation of Australia's radio history. I hope it will be of benefit to Historians, Collectors and Experimenters alike.

The original copy of this "PORTFOLIO" was in poor condition requiring considerable copying, re-touching and editing. These processes have resulted in some loss of minor detail, however sufficient detail has been preserved to permit construction of all circuits presented.

Intending constructors please note that the circuit for LEVENSON'S IMPROVED B ELIMINATOR is of the LIVE CHASSIS type and therefore not recommended for construction.

Acknowledgement is given to the defunct firm of LEVENSONS RADIO and those persons involved in the production of the original "PORTFOLIO" in 1930.

Special thanks are also due to; Dave Jensen, for supplying the original, and to Jim Rowe, editor of ELECTRONICS AUSTRALIA, for his permission to re-use the WIRELESS WEEKLY crystal set circuit that was included in the original portfolio.

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12 Mansfield St.,  
Rockhampton 4700 Qld. Australia.

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# BUILD THIS

## THE FAMOUS KUG CRYSTAL SET

### List of Parts required:

- 1 Bakelite panel, 12in. x 7in.
- 1 Baseboard, 11in. x 9in.
- 1 Like a Flash or De Jur .0005 variable condenser.
- 1 4in. card former.
- 1 3in. card former.
- 1 Plain or Diora vernier dials.
- $\frac{1}{2}$ lb. 24 D.S.C. wire.
- 5 Bakelite terminals.
- 1 Like a Flash or R.U.F. crystal detector.
- 1 yard silk flex.
- 1 Variometer shaft assembly 2/3 at Levenson's.

Buswire and solder.

*Bend along dotted line for an idea of Panel and Baseboard Mountings.*

*Protected Design.*

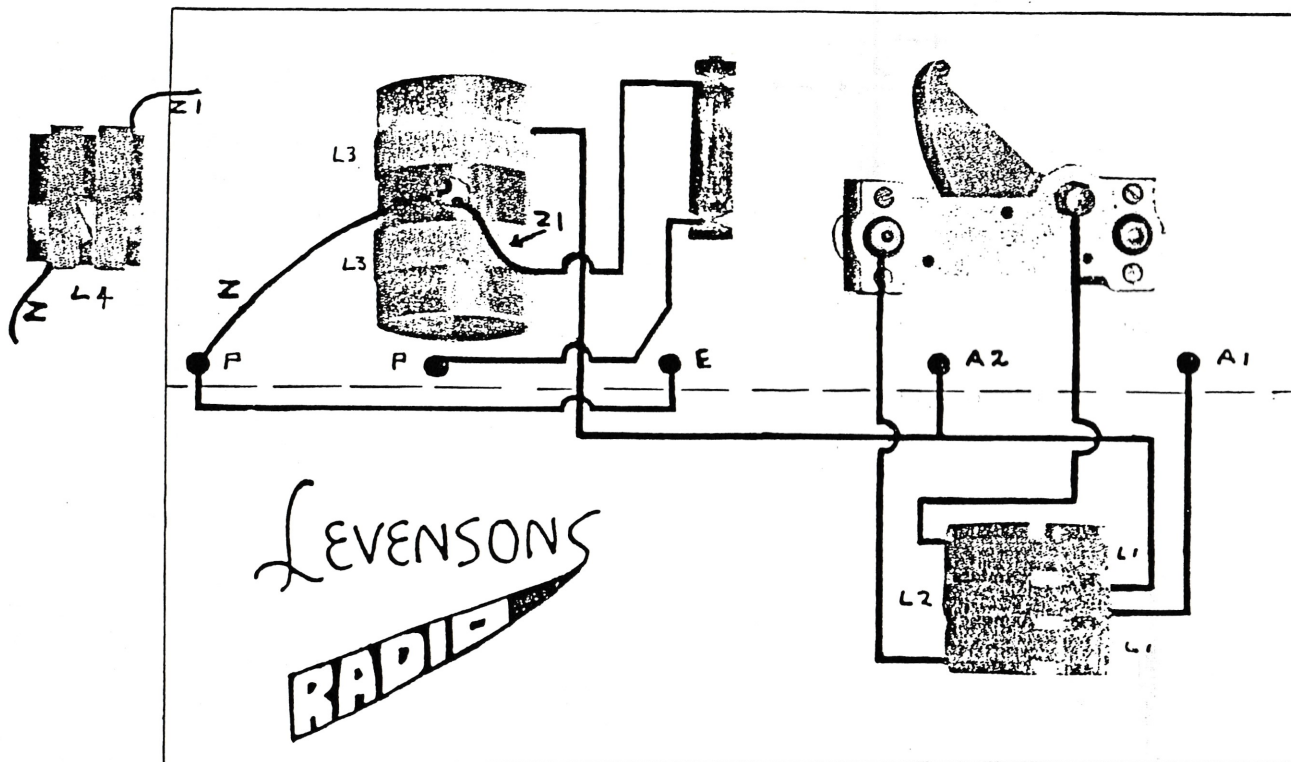
### Coil data:

- L1—50 turns on 4in. 2 $\frac{1}{2}$  ins. long.
- L2—15 turns wound on top of centre of L1 winding. Lay a strip of paper on first for extra insulation.
- L3—30 turns wound 15 turns each side of centre of former.
- L4—34 turns wound 17 each side of shaft assembly hole.
- L4—Fits inside L3 on shaft. The knob on shaft extends through panel so that L4 may be rotated.

We recommend

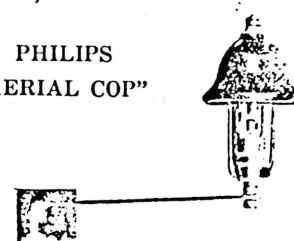
**PHILIPS  
AERIAL COP at 10/6**

a sure lightning arrester and lead in combined.



**LEVENSON'S RADIO** - *The Palace of Wireless*  
226 PITT STREET, SYDNEY Branch: 86a Pitt Street, Sydney

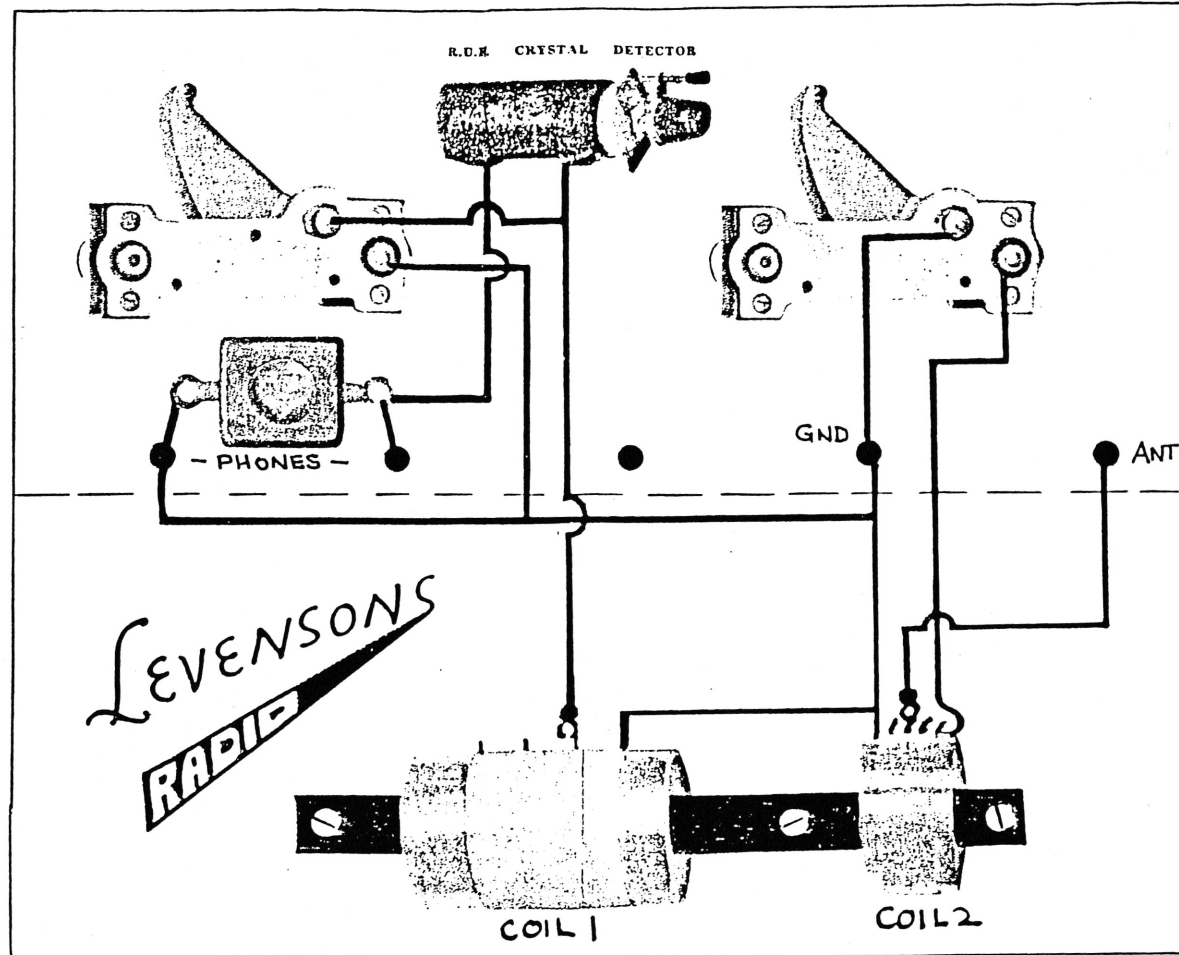
PHILIPS  
"AERIAL COP"



# The Majister Crystal Set from "Wireless Weekly"

## List of Parts:

- 1 Bakelite panel, 12in. x 7in.
- 1 Baseboard, 11in. x 9in.
- 2 strips bakelite, 11in. x 1in.
- 4 Terminals.
- 1 R.U.F. or Like a Flash crystal detector.
- 2 Like a Flash .0005 variable condensers.
- 1 Coil Chromax hook up wire.
- 1 Dozen terminal lugs.
- 2 lengths of 3in. diam. tubing, 6in. long.
- 1 .002 Fixed condensers
- 2 4 inch bakelite dials.
- 1 Coil 20 D.C.C. wire.



## Coil data:

Coil 1—72 turns 20 D.C.C. wire. Tapped 25, 50, 75 turns.

Coil 2—40 turns tapped 10, 20, 30, 40 turns.

**A PHILIPS AERIAL COP**  
at 10/6

will prove a great advantage  
to your set.

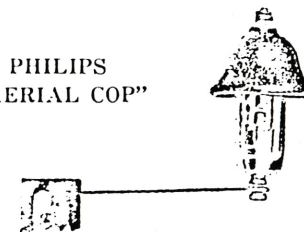
## LEVENSON'S RADIO

226 Pitt Street, Sydney

• • • *The Palace of Wireless*

Branch: 86a Pitt Street (between Hunter St. & Martin Place)

PHILIPS  
"AERIAL COP"



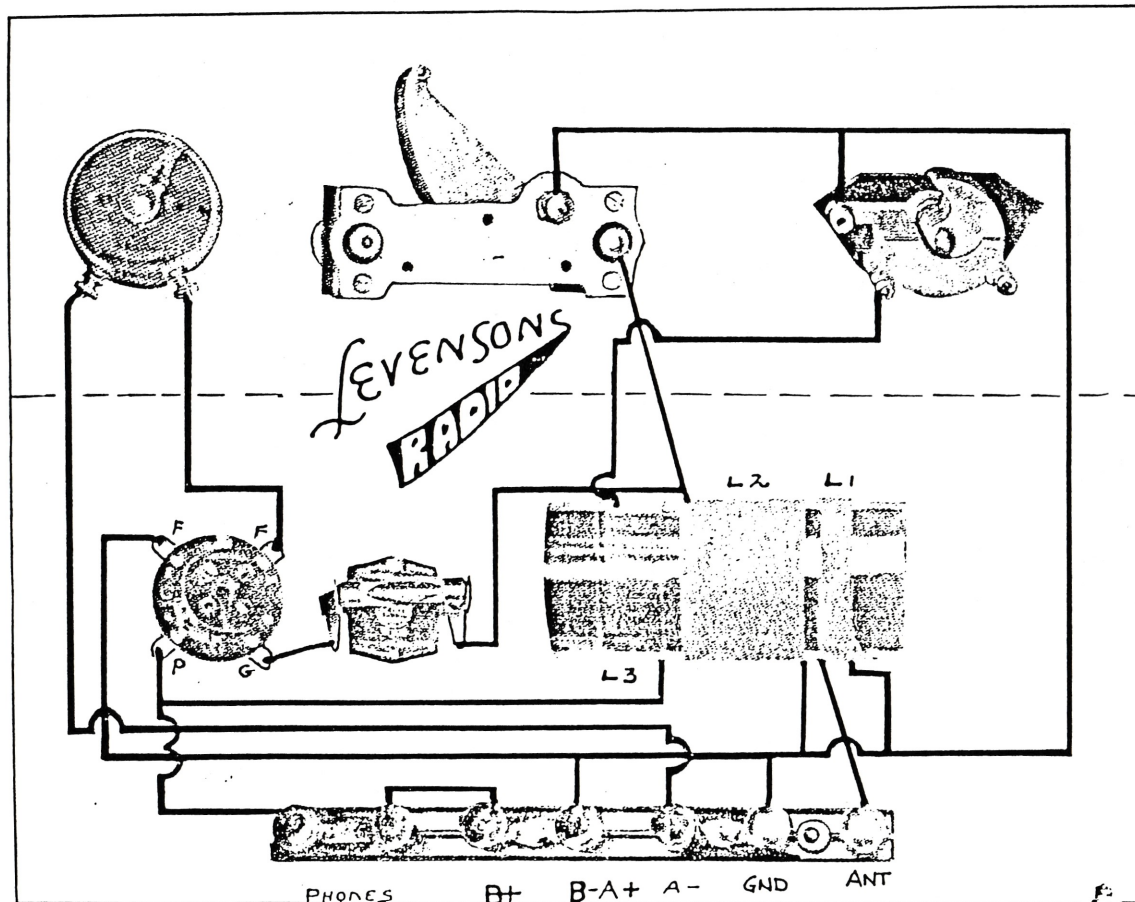
Bend along dotted line and you will get an idea of Back Panel and Baseboard view of the set.

Protected Design.

# LEVENSON'S SUPER SELECTIVE WIDE RANGE 1 VALVE RADIO

List of Parts required if making own Coil:

- 4in. x 3in. former.
- ½lb. 26 D.C.C.
- or 1 Like a Flash Reinartz Coil
- 1 Bakelite Panel, 12in. x 7in.
- 1 Baseboard, 11in. x 9in.
- 1 Coil Chromax hook up wire.
- 1 UX De Jur socket.
- 1 Amsco terminal strip.
- 1 De Jur rheostat, 30 ohms.
- 1 Like a Flash or De Jur variable condenser, .00035.
- 1 Magnus grid leak, 2 meg.
- 1 De Jur .00025 grid condenser.
- 1 Like a Flash reaction condenser.
- 1 Bakelite knob.
- 1 Alpha or Diora vernier dial.



We recommend you to use a

**PHILIPS A415 VALVE**  
IN THIS RECEIVER

Coil Data:

L1—10 turns.

L2—50 turns.

L3—35 turns.

Bend along dotted line and you will get an idea of Baseboard and Back Panel view of this set.

Protected Design.

Safety First!

Install a

**PHILIPS AERIAL COP**  
10/6 at Levenson's



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226 PITT STREET, SYDNEY Branch 86a Pitt St. (between Hunter St. and Martin Place)

# The "Best Yet" 1 Valve Receiving Set

## List of Parts:

- |   |                                |
|---|--------------------------------|
| 1 Bakelite panel, 14in. x 7in.                        | 2 Coils hook up wire, Chromax. |
| 1 Baseboard, 13in. x 9in.                             | 2 1 inch knobs, Bakelite.      |
| 2 Variable condensers, .0005, Like a Flash or De Jur. |                                |
| 2 Variable condensers, Midget .0001                   |                                |
| 1 Phone jack.   |                                |
| 2 Vernier dials, Alpha or Diora.                      |                                |
| 8 ins. 1 1/2 in. former.                              |                                |
| 1/4 lb. 28 D.C.C. wire.                               |                                |
| 1 R. F. choke, Silver Knight.                         |                                |
| 1 UX socket, De Jur.                                  |                                |
| 1 Grid condenser, .00025 De Jur.                      |                                |
| 1 Grid leak, 2 meg. Magnus.                           |                                |
| 2 yards flex.   |                                |

### Coil Data:

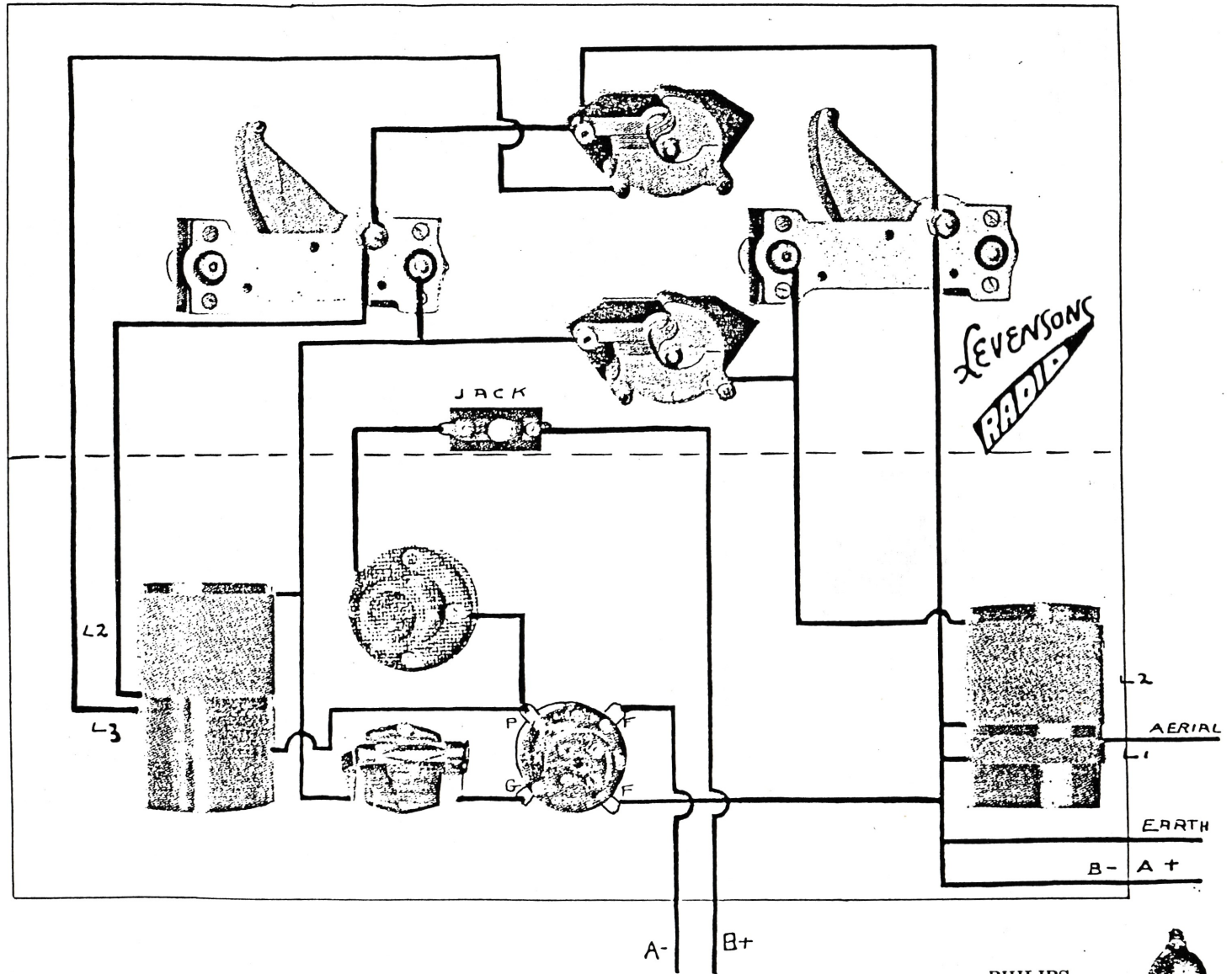
- L1—25 turns
- L2—80 turns
- L3—35 turns

### PHILIPS VALVES

- A415—4 volt series or
- A615—6 volt series

### PHILIPS AERIAL COP at 10/6

is a real advantage to your Radio.



Protected Design.

Bend along dotted line for an idea of Panel and Baseboard mountings

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PHILIPS  
"AERIAL  
COP"



# LEVENSON'S WONDER - 2 VALVE - INTERSTATE - - RECEIVER - -

## List of Parts required:

- 1 Panel, 14 x 7 inches, Bakelite.
- 1 Baseboard, 12 x 9 inches.
- 1 Condenser, .0005, Like a Flash or De Jur.
- 1 Condenser, .00025 Compact.
- 2 Vernier dials, Diora or Alpha.
- 1 20 ohm De Jur rheostat.
- 1 1 inch knob.
- 2 De Jur UX sockets.
- 1 Grid leak, 2 meg., Magnus.
- 1 Grid condenser, .00025, De Jur.

## 1 PHILIPS AUDIO TRANSFORMER.

- 1 R.F. choke, Silver Knight.
- 1 Interstate 2 tuner, Like a Flash.
- 1 Terminal strip, Amsco.
- 2 Phone Pin Jacks or terminals.
- 1 Bakelite strip and 2 insulators to mount same
- 2 Coils hook up wire, Chromax. If Building own Coil Kit.
- 4 inch x 3 inch diam. tubing.
- 1 inch x 2 inch diam. tubing.
- 1lb. 24 D.C.C.
- 1lb. 28 D.C.C.
- 1 Tuner Shaft and fittings or Levenson's Interstate 3 Coil Tuner, 13/6

## PHILIPS VALVES

used in Test set. We Recommend them.

No. 1 socket, A415

No. 2 socket, A409 or A406

Coil Building Data

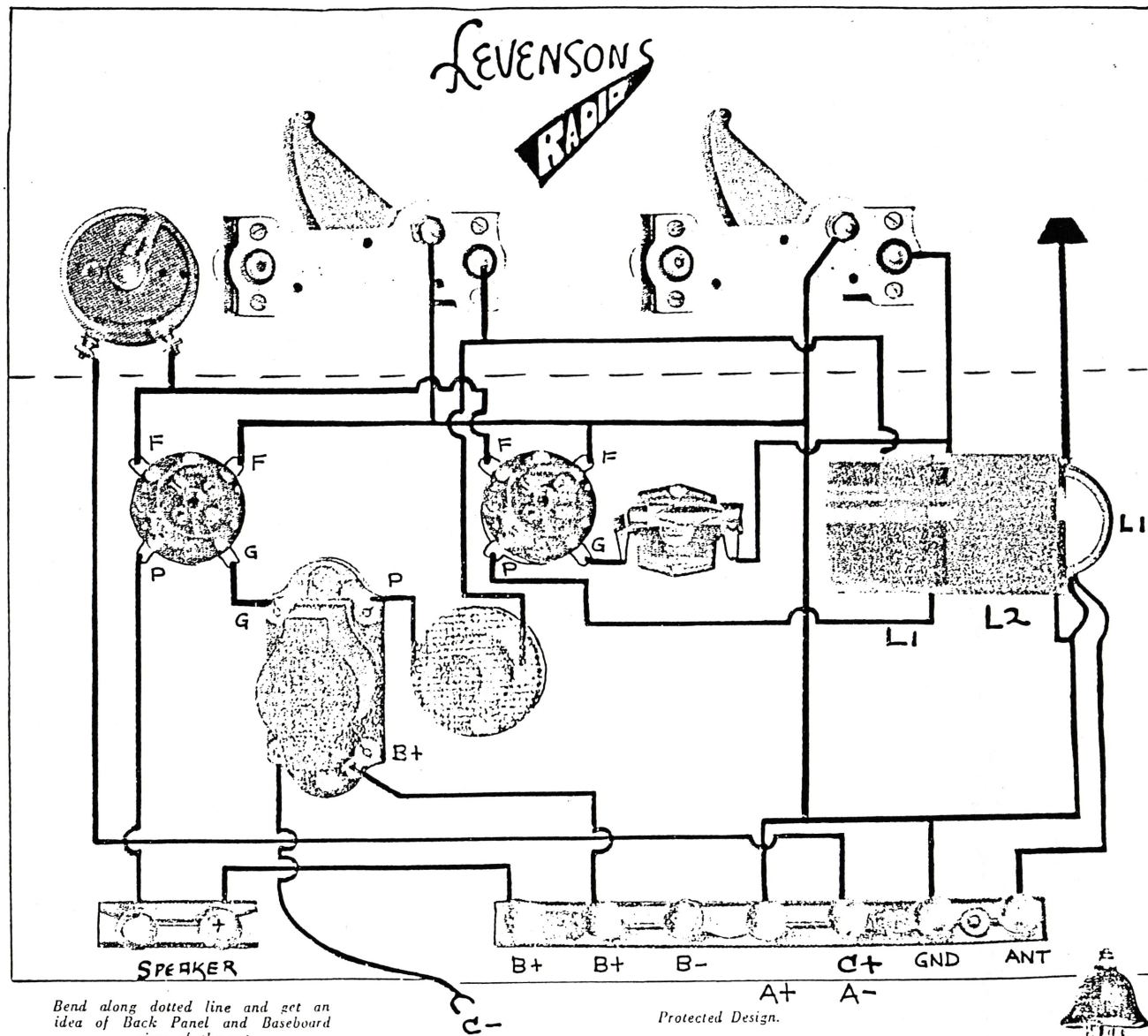
L1—15 turns on 2 inch, 24 D.C.C.

L2—45 turns on 3 inch, 24 D.C.C.

L3—25 turns on 3 inch, 28 D.C.C.

A PHILIPS AERIAL COP  
at . . . . 10/6

will protect your set against any  
outside climatic interference.



Bend along dotted line and get an  
idea of Back Panel and Baseboard  
view of the set.

Protected Design.

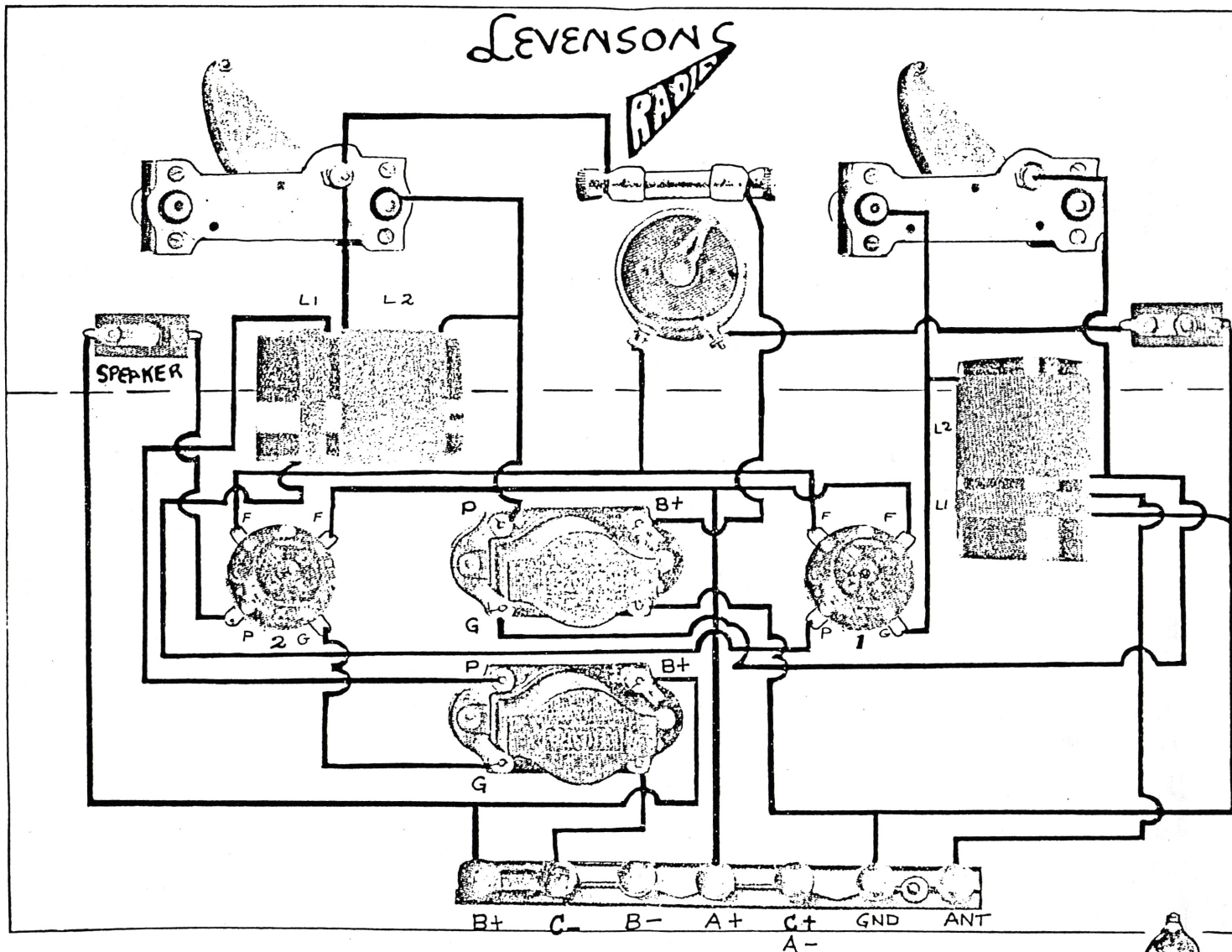
# LEVENSON'S RADIO • The Palace of Wireless

226 PITT STREET, SYDNEY

Branch: 86a Pitt Street, Sydney (between Hunter St. and Martin Place)



**- LEVENSON'S -  
1930 REFLEX  
SET  
CRYSTAL  
DETECTOR  
AND 2 VALVES**



**List of Parts:**

- 1 Panel, 12 x 7ins., bakelite.
- 1 Baseboard, 11 x 9ins.
- 2 Variable condensers, .00035 Like a Flash or De Jur.
- 2 Vernier dials, Alpha or Diora.
- 1 20 ohm rheostat, De Jur.
- 1 Crystal, fixed, Like a Flash non solder type
- 1 S.C. jack, Marco.
- 1 battery switch, Pioneer
- 2 UX De Jur sockets.

**2 PHILIPS AUDIO TRANSFORMERS**  
2 Coils hook up wire, Chromax.

- 6 inches 2in. former, bakelite.
- ¼lb. 28 D.S.C. wire.
- 1 Terminal strip.

**PHILIPS VALVES USED**

- No. 1 socket—  
A 409 or A415.
- No. 2 Socket—  
A409 or A406.

We recommend them for best results.

**Coil Data:**

- L1—10 turns on 2in. dia.
- L2—80 turns on 2in. dia.

A PHILIPS AERIAL COP at 10/6 will prove a great advantage to your Radio Set — it eliminates all danger from weather conditions.

Bend along dotted line and you will get an idea of Back Panel and Baseboard view of this set.

Protected Design.

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PHILIPS  
"AERIAL COP"





# LEVENSON'S WHOLE WORLD SHORT WAVE 2 RECEIVER

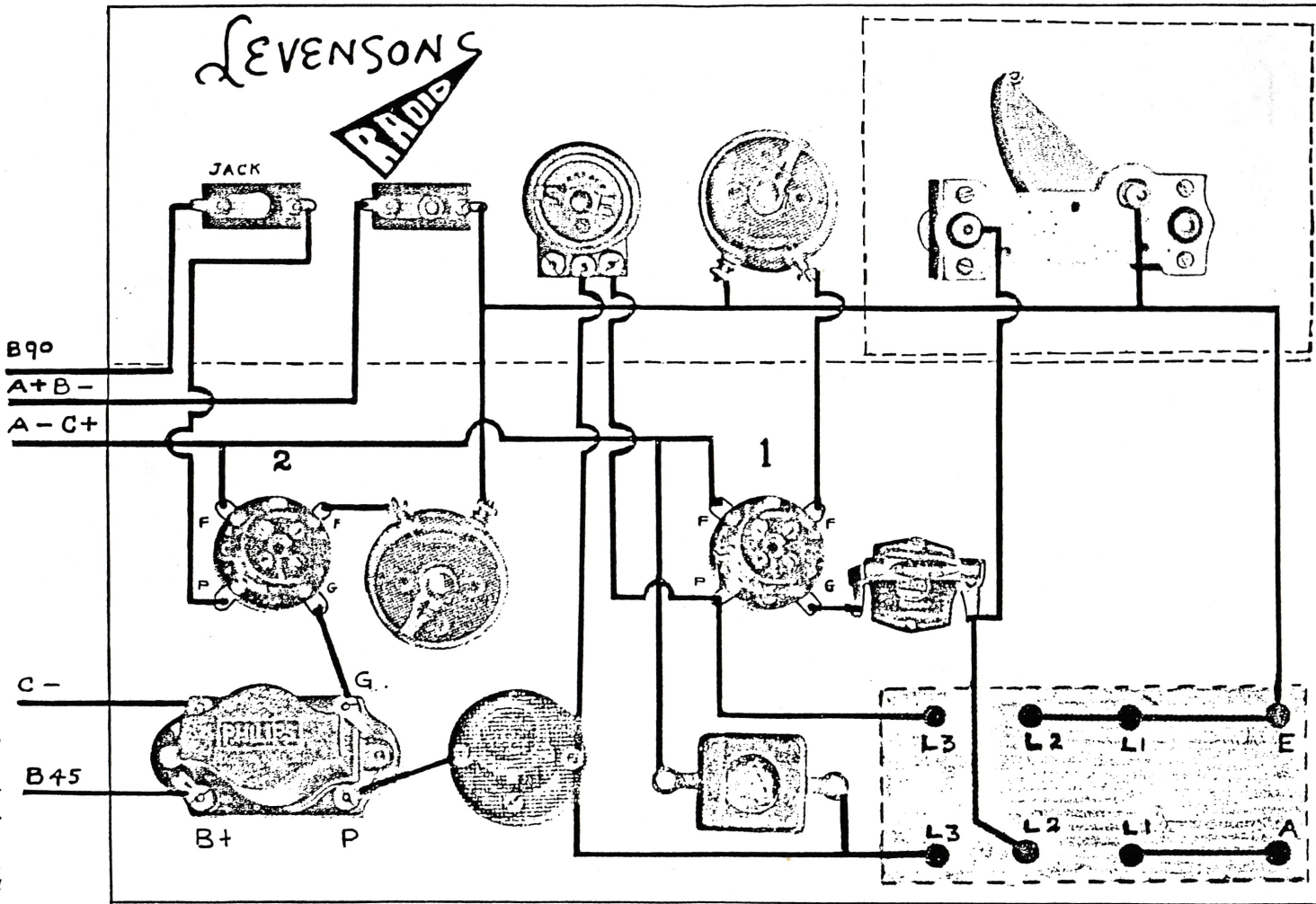
## List of Parts:

- 1 De Jur .00025 variable condenser.
- 1 Alpha or Diora vernier dial
- 1 De Jur 50 ohm rheostat.
- 1 200,000 variable resistor.
- 1 Like a Flash battery switch.
- 1 S.C. jack.
- 2 De Jur UX sockets.
- 1 De Jur .00025 fixed condenser and clips.
- 1 Grid leak 5 to 10 meg., Amsco.
- 1 R.F. choke coil, Silver Knight.
- 1 PHILIPS AUDIO TRANSFORMER.
- 8 Terminals.
- 1 Panel Bakelite, 18 x 7ins.
- 1 Baseboard, 18 x 9ins
- 1 De Jur battery cable, 5 wire.
- 20ft. Insulated hook up wire.
- 1 Piece Bakelite, 7 x 3½ins.
- 1 Piece Aluminium, 6 x 6ins.
- 1ft. Levenson Low Loss Coil, 7/6.
- 1 Magnus rheostat, base mounting.
- 1 .002 Fixed condenser.
- Valve—  
**PHILIPS**  
 No. 1 Socket, A415  
 No. 2 Socket, A409 or A415

## SAFETY FIRST

Install a—  
**PHILIPS AERIAL COP**  
 at 10/6  
 and ensure perfect safety  
 from all weather conditions.

*Bend along dotted line and you will get an idea of Back Panel and Baseboard view.*



Dotted line is area covered by Aluminium sheet behind panel. This sheet makes metallic contact to Rotor Shaft of the condenser.

NOTE: Sub-panel 7in. x 3½in. Bakelite, has 8 terminals arranged as shown. A and E are Aerial and Earth respectively. L1 and L1 hold each end of the Aerial Coil.

L2 and L2 hold each end of Secondary Coil.

L3 and L3 hold each end of Reaction Coil.

Bakelite sub-panel is raised about ¼ to 1 inch off baseboard and connections are made to the various terminals beneath the panel as indicated by the lines.

## Space Wound Coils

| Wavelength  | A | S  | R      |
|-------------|---|----|--------|
| 10 meter .. | 2 | 2  | 2      |
| 20 meter .. | 4 | 4  | 3      |
| 30 meter .. | 4 | 7  | 3 or 4 |
| 40 meter .. | 4 | 10 | 4 or 6 |
| 80 meter .. | 4 | 15 | 7      |

Levenson's Short Wave Coils  
 7/6

*Protected Design.*

**PHILIPS**  
**"AERIAL**  
**COP"**



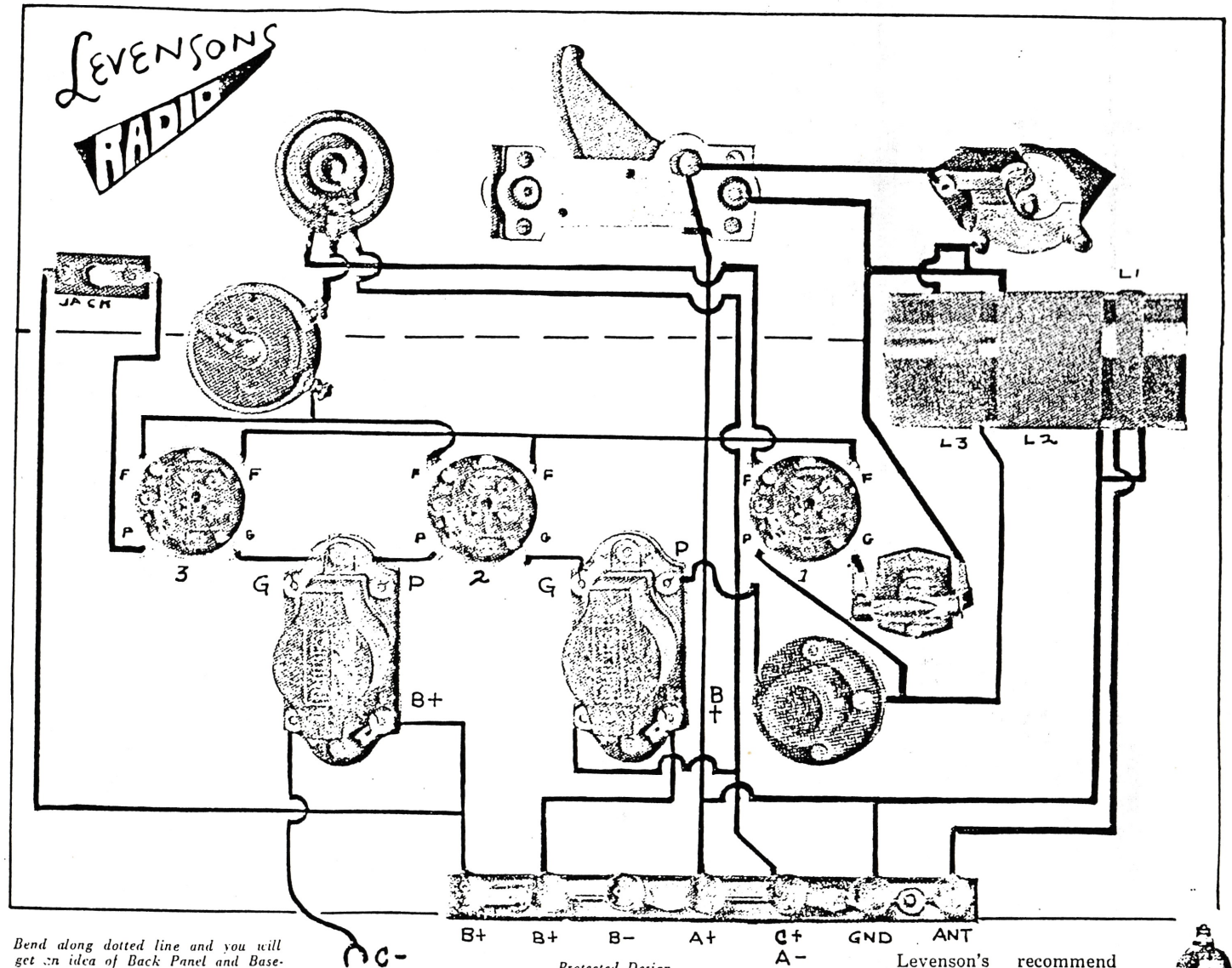
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 Branch: 86a Pitt St., Sydney (between Hunter St. and Martin Place)

# LEVENSON'S "Like a Flash" IMPROVED 1930 INTERSTATE 3 RECEIVER

## List of Parts required:

- |   |   |
|---|---|
| 1 Bakelite panel, 18in. x 7in.                      | 1 Magnus 2 meg. grid leak.                    |
| 1 Baseboard, 17in. x 9in.                           | 1 De Jur .00025 grid condenser.               |
| 1 Bakelite former, 4in. x 3in.                      | 1 Amsco terminal strip.                       |
| 1 lb. 26 D.C.C. wire.                               | 1 Alpha or Diora vernier dial.                |
| 1 De Jur or Like a Flash .00035 variable condenser. | 2 Coils Chromax hook up wire.                 |
| 1 Like a Flash reaction condenser.                  | 1 Coil resin core solder.                     |
| 1 Bakelite knob.                                    | <b>PHILIPS VALVES USED IN TEST SET.</b>       |
| 1 De Jur switch rheostat                            | We recommend you to use them for best results |
| 1 S.C. jack.  | Socket 1—A415                                 |
| 1 10 ohm De Jur rheostat.                           | "    2—A409                                   |
| 3 De Jur valve sockets.                             | "    3—A406                                   |
| <b>2 PHILIPS AUDIO TRANSFORMERS</b>                 | <b>Coil Building Data:</b>                    |
| 1 Silver Knight R. F. choke.                        | L1—10 turns                                   |
|   | L2—50 turns                                   |
|   | L3—30 turns                                   |



Bend along dotted line and you will get an idea of Back Panel and Baseboard view of this set.

Protected Design.

Levenson's recommend you to install a

**PHILIPS AERIAL COP at 10/6**



**LEVENSON'S RADIO** - The Palace of Wireless -  
226 PITT STREET, SYDNEY  
Branch 86a Pitt St. (bet. Hunter St. & Martin Place)

# THE RENOWN INTERSTATE 3 RECEIVER

## List of Parts Required:

- Bakelite Panel 18 x 7 inches.
- Baseboard 17 x 9 inches.
- Bakelite tubing 8 x 2 inches.
- 1/4-lb. No. 26 D.C.C. Wire.
- 1/4-lb. No. 20 D.C.C. Wire.
- 3 U.X. sockets, De Jur.
- 1 De Jur Rheostat, 30 ohm.
- 1 De Jur Rheostat, 10 ohm.
- 1 Speaker jack, Marco.
- 1 Battery switch, Pioneer.
- 1 Vernier dial, Alpha or Diora.
- 2 PHILIPS AUDIO TRANSFORMERS.
- 1 R.F. choke, Silver Knight.
- 1 .00025 grid condenser, De Jur.
- 1 Grid leak, Magnus, 2 meg.
- 1 Terminal strip, Amsco.
- 1 Aerial terminal.
- 1 Earth terminal, strip to mount and 2 mounting insulators.
- 1 Coil resin core solder.
- 2 Baby clips.
- 3 Coils hook up wire, Chromax.
- 2 1 inch knobs.
- 3 .0005 Like a Flash Variable Condensers.

## WE RECOMMEND FOR BEST RESULTS

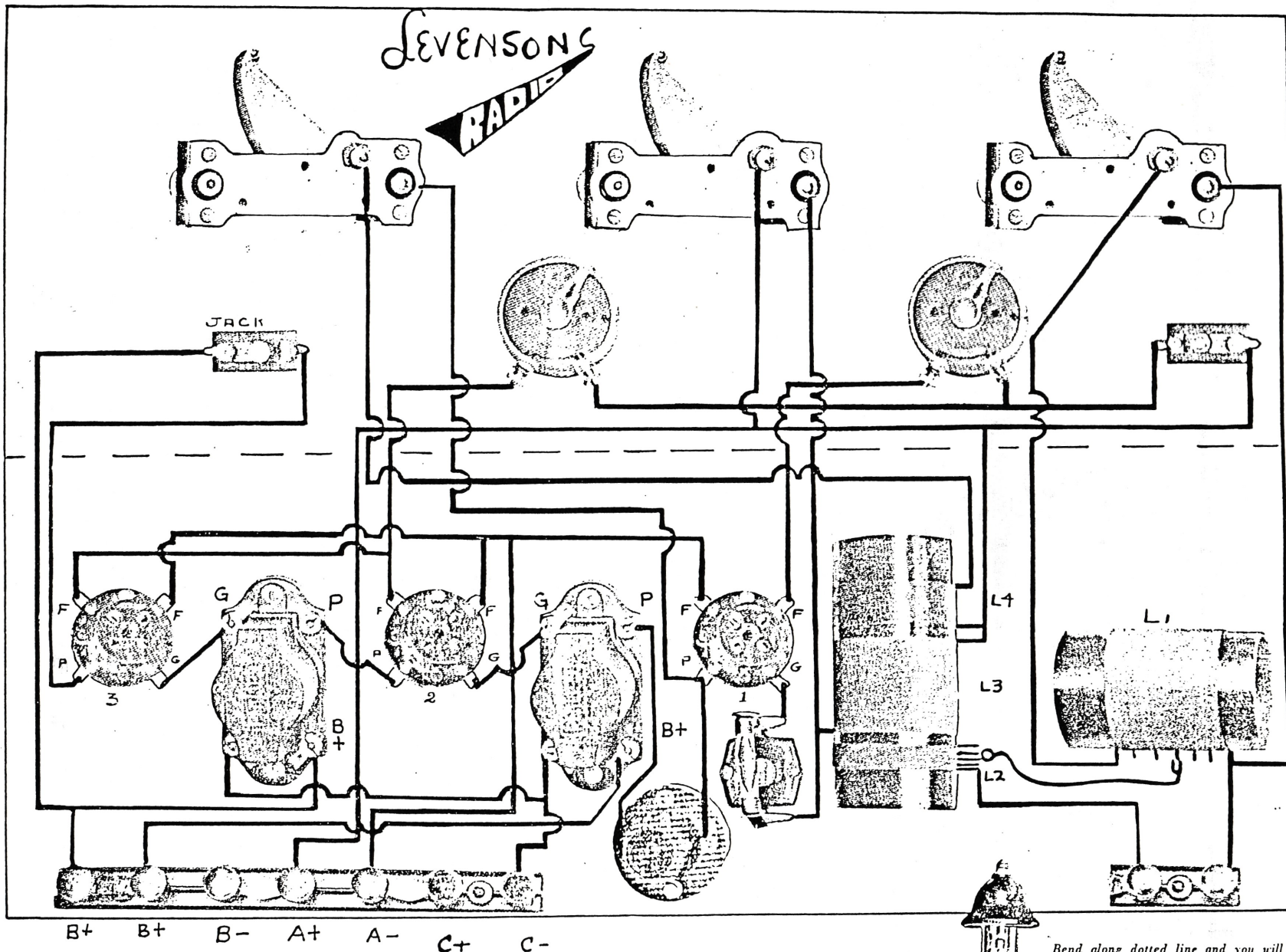
### PHILIPS VALVES

- No. 1 Socket, A415.
- No. 2 Socket, A409
- No. 3 Socket, A406

## Coil Building Data:

- L1—70 turns 26 D.C.C., tapped every 15 turns.
- L2—10 turns 20 D.C.C., tapped every 2 turns.
- L3—75 turns 26 D.C.C.
- L4—25 turns 26 D.C.C.

WE RECOMMEND YOU TO INSTALL A  
PHILIPS AERIAL COP at .. 10/6  
A certain Lightning Arrester.



Bend along dotted line and you will get  
an idea of Baseboard and Panel  
Mountings.

Protected Design.

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Branch: 86, Pitt St., Sydney (between Hunter St. & Martin Place)

PHILIPS "AERIAL COP"

# Levenson's Own —Like-a-Flash— Ultra Modern Marco 4 Inter- state Receiver

## List of Parts required:

- Bakelite panel, 21 x 7 inches.
- Baseboard, 20 x 9 inches.
- Former, 7 x 2 inches.
- 2 De Jur or Like a Flash variable condensers, .00035.
- 1 Like a Flash reaction condenser.
- 1 De Jur switch rheostat.
- 1 De Jur 30 ohm rheostat.
- 1 Magnus 10 ohm rheostat.
- 4 De Jur valve sockets.

## 2 PHILIPS AUDIO TRANS- FORMERS

- 1 De Jur grid condenser, .00025.
- 1 Magnus grid leak, 2 meg.
- 1 R.F. choke, Silver Knight.
- 1 Amsco terminal strip.
- 2 Speaker terminals or pin jacks.
- 1 Speaker strip and 2 insulators for mounting same.
- 1lb. 26 or 28 D.S.C. wire.
- 2 Alpha or Diora vernier dials.
- 1 1 inch knob.
- 3 Coils hook up wire (Chromax).
- 1 Coil resin core solder.

## PHILIPS VALVES used in test set.

We recommend you to use—

- No. 1 Socket, A425 Philips
- No. 2 Socket, A415 Philips
- No. 3 Socket, A409 Philips
- No. 4 Socket, A406 Philips

## Coil Building Data

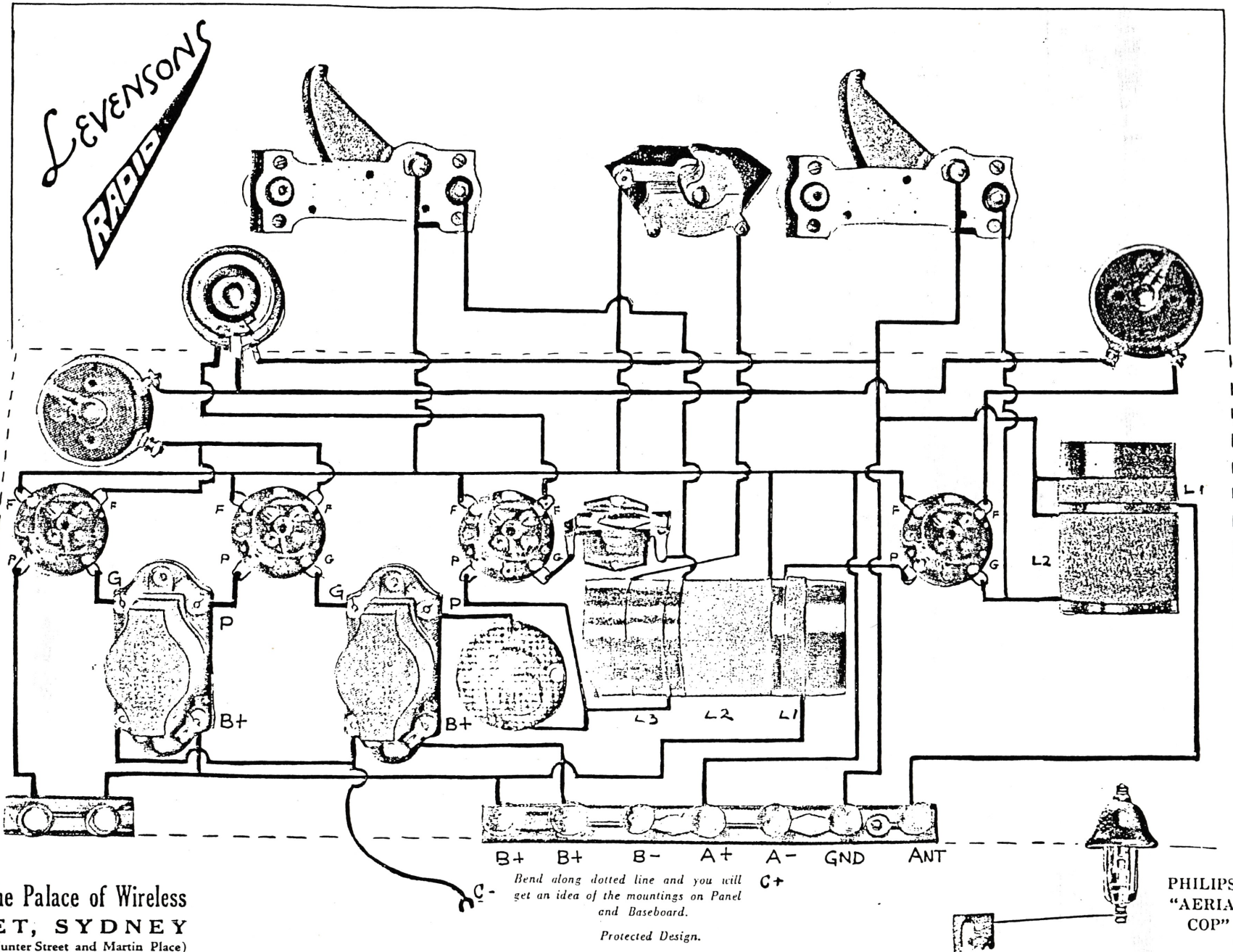
- L1—10 turns
- L2—80 turns
- L3—35 turns

26 or 28 D.S.C. Wire used.

Levenson's recommend

PHILIPS AERIAL COP  
A Safe Lightning Arrester 10/6

**LEVENSON'S RADIO - The Palace of Wireless**  
**226 PITT STREET, SYDNEY**  
Branch: 86a Pitt Street, Sydney (between Hunter Street and Martin Place)



# Levenson's 1930 Improved BROWNING - DRAKE - RECEIVER 4 Valves

INTERSTATE  
STATIONS  
ASSURED

## PHILIPS VALVES USED THROUGHOUT

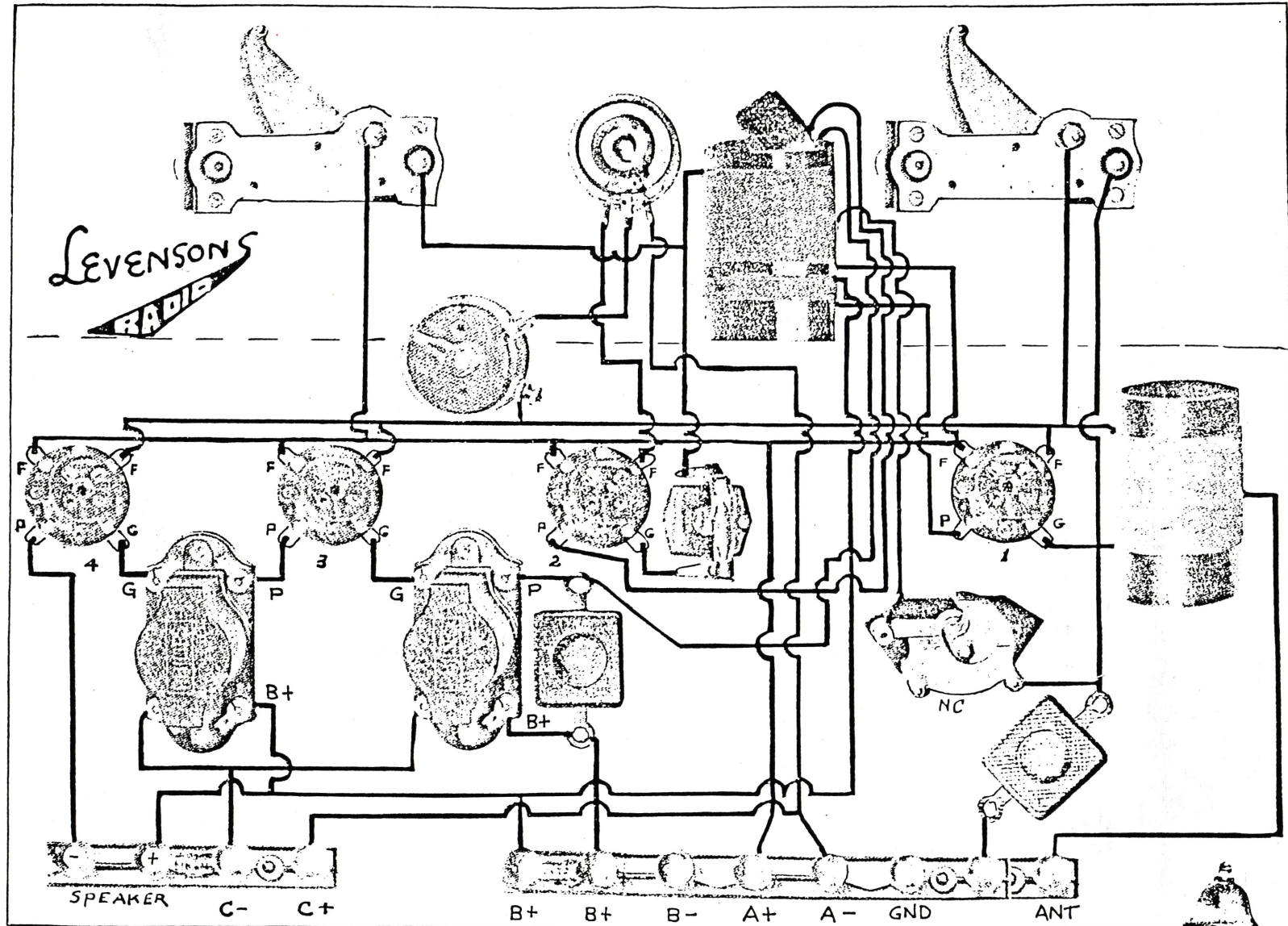
We know you will get  
best results with them

- No. 1 Socket—A425
- No. 2 Socket—A415
- No. 3 Socket—A409
- No. 4 Socket—A406

We recommend

PHILIPS  
AERIAL COP  
at . . . . 10/6

It eliminates any possible  
injury from  
weather influences.



### List of parts required:

- Bakelite panel, 21 x 7in.
- Baseboard, 30 x 9in.
- 1 Browning Drake coil kit, De Jur.
- 2 De Jur or Like a Flash condensers, .00035.
- 1 De Jur switch rheostat.
- 2 Vernier dials, Diora or Alpha.
- 1 1 inch knob, Bakelite
- 4 De Jur UX sockets.
- 1 Grid condenser .00025 De Jur.
- 1 Grid leak, 2 meg., magnus.
- 2 PHILIPS AUDIO TRANSFORMERS
- 1 .001 condenser, fixed
- 1 Neutralising condenser, N.C. 5 plate.
- 1 .0001 condenser, fixed
- 1 Amsco terminal strip.
- 3 Terminals, C+ and C- and Ant.
- 2 Phone tip jacks or terminals.
- 1 Strip bakelite, 4 x 1.
- 2 Insulators for mounting.
- 3 Coils hook up wire, Chromax.
- 1 10 ohm rheostat, Magnus, De Jur or Reliance.
- 1 Coil resin core solder

Bend along dotted line  
and you will get an idea  
of Back Panel and Base-  
board view of the set.

Protected Design.

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PHILIPS  
"AERIAL COP"



# LEVENSON'S MAGIC 4 VALVE Portable Receiver

INTERSTATE ON THE  
OUTSIDE AERIAL

PHILIPS  
"AERIAL  
COP"



List of Parts:

- 4 Alpha spring sockets.
- 1 Bakelite panel, 15 x 7ins.
- 1 Baseboard, 15 x 6ins.
- 2 PHILIPS AUDIO TRANSFORMERS
- 3 Coils Chromax hook up wire.
- 1 Magnus grid leak, 2 meg.
- 1 De Jur .00025 grid condenser.
- 1 Like a Flash English Reaction condenser.
- 1 Bakelite knob.
- 2 Like a Flash variable condensers, .00035.
- 2 Diora or Alpha dials.
- 1 De Jur switch rheostat.
- Former, 4in. x 2in.
- 1lb. 28 D.S.C. wire.
- 4 terminals (2 for loop and 2 for speaker).
- 2 3 x 1in. Bakelite strips
- 1 yard battery cable.
- Portable Cabinets, 45/- and 39/6—all fitted with loop aerial frame.
- 1 Coil frame aerial wire.

We recommend—

PHILIPS VALVES

- No. 1 Socket—A425
- No. 2 socket—A415
- No. 3 socket—A409
- No. 4 socket—B406

Coil and Loop data:

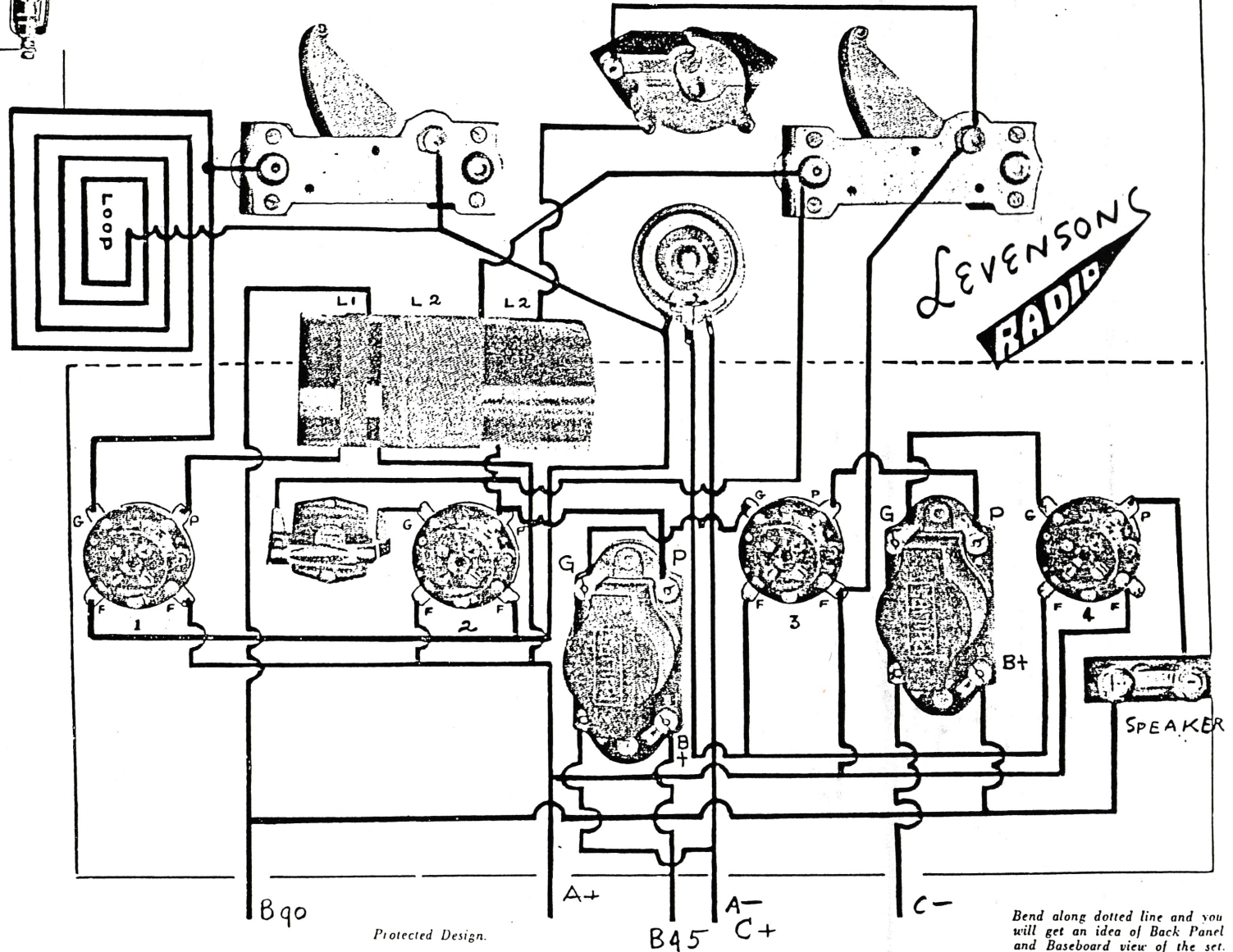
- Loop, 13 turns on frame in lid
- L1—15 turns
- L2—30 turns
- L3—35 turns

A PHILIPS AERIAL COP at ..... 10/6

will eliminate all possible likelihood of outside weather influences interfering with this set.

## LEVENSON'S RADIO THE PALACE OF WIRELESS

226 PITT STREET, SYDNEY  
Branch: 86a Pitt St., Sydney (between Hunter St. & Martin Place)



Protected Design.

Bend along dotted line and you will get an idea of Back Panel and Baseboard view of the set.

# Levenson's 1930 Interstate Straight 5 "Like a Flash" 1930 Receiver

**LEVENSON  
RADIO**

### List of parts required:

- 3 Alpha or Diora vernier dials.
- Bakelite panel, 21in. x 7in.
- Baseboard, 20in. x 9in.
- 1 Bakelite knob.
- 1 Amsco terminal strip.
- 1 each aerial and earth terminal.
- Mounting strip for same.
- 2 Speaker terminals or pin jacks.
- 1 Strip for mounting.
- 4 Mounting insulators.
- 3 Like a Flash .0005 variable condensers.
- 5 De Jur valve sockets.
- Bakelite former, 10in. x 2in.
- 1lb. wire, 28 D.S.C.
- 3 coils Chromax hook up wire.
- 1 Magnus 2 meg. grid leak.
- 1 De Jur .00025 grid condenser.
- 1 De Jur switch rheostat.
- 1 1 inch knob.
- 1 Fixed condenser .002.

### 2 PHILIPS AUDIO TRANSFORMERS

- 1 Like a Flash Reaction condenser.
- 1 Magnus or Reliance rheostat.
- 1 Coil resin core solder.

### PHILIPS VALVES

Used throughout in Test Set with splendid results.

- Socket 1 .. A425
- " 2 .. A425
- " 3 .. A415
- " 4 .. A409
- " 5 .. B406 or power

### Coil Building Data:

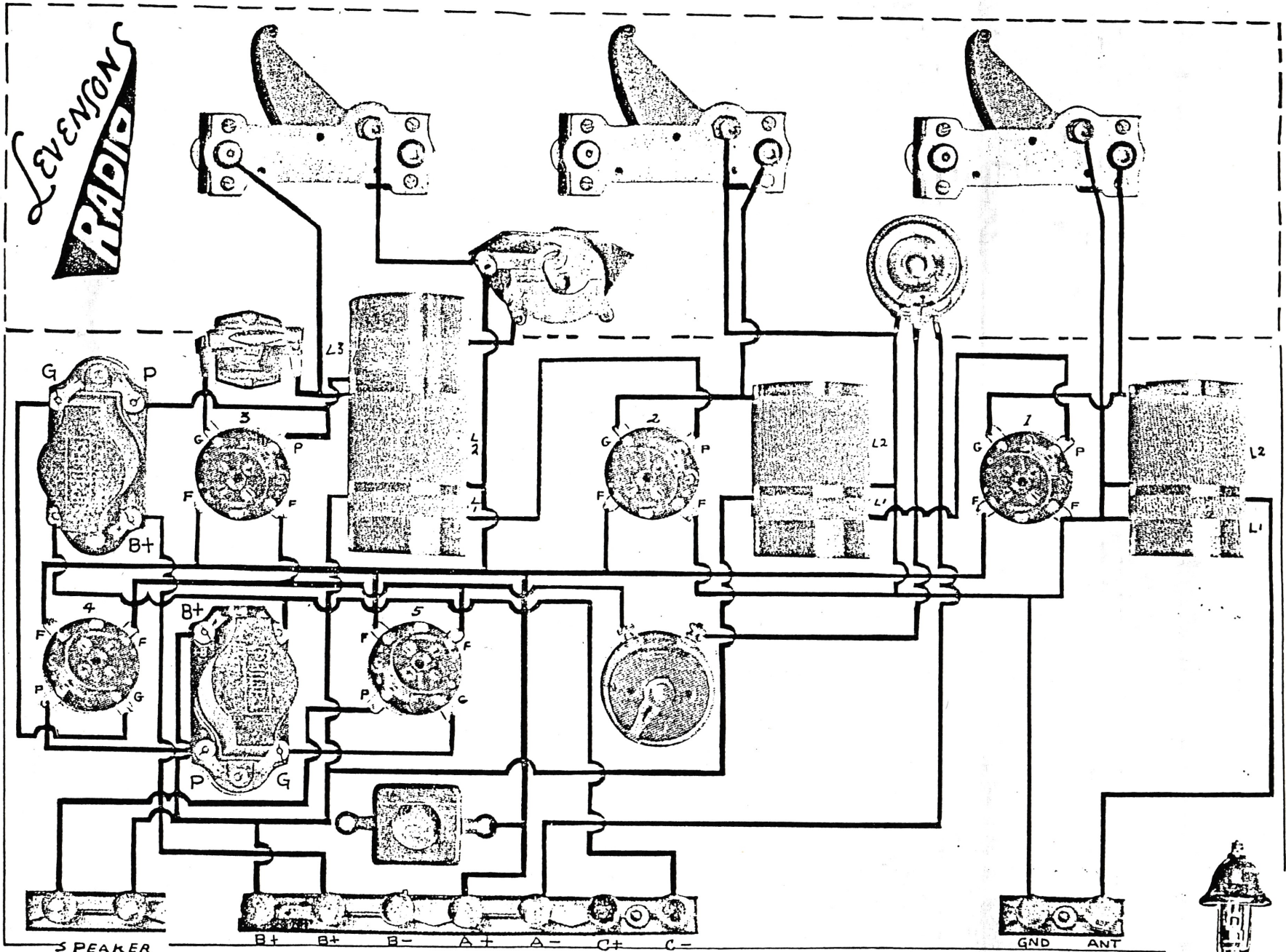
- L1—10 turns
- L2—65 turns
- L3—35 turns
- all 2in. diam. formers.
- 2 Formers 3ins. long
- 1 Former 4ins. long

### INSTALL A PHILIPS AERIAL COP 10/6

A combination of a rare gasfuse and lightning arrester. It also makes an excellent lead in. Levenson's recommend it.

### Levenson's Radio

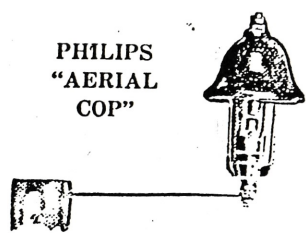
"The Palace of Wireless"  
226 PITT STREET, SYDNEY  
Branch: 86a Pitt Street  
Between  
Hunter St. & Martin Place



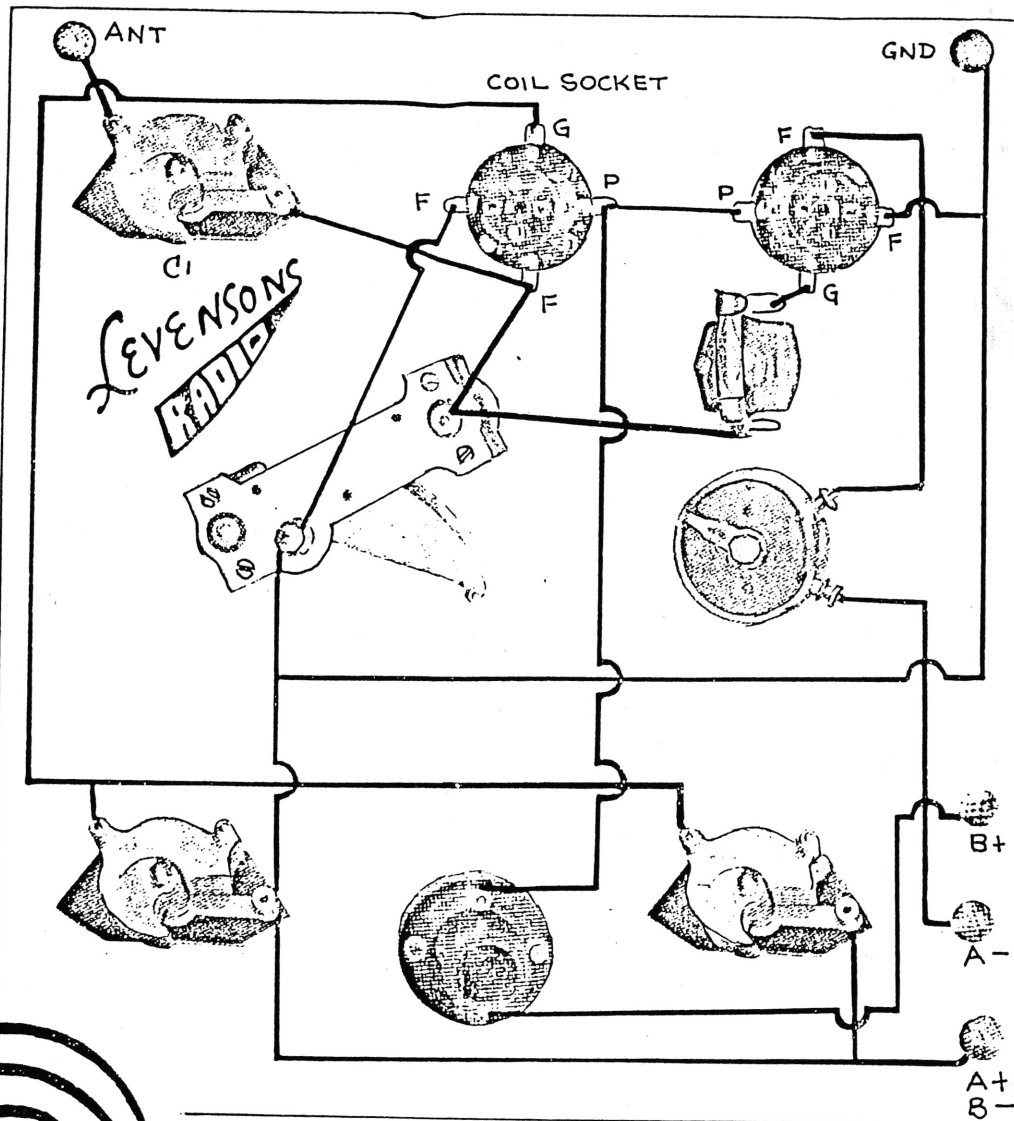
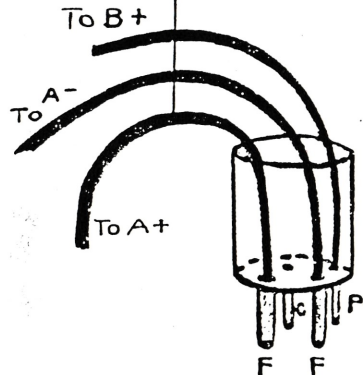
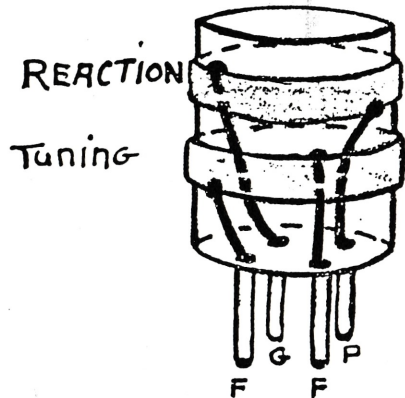
Bend along dotted line and you will get an idea of Back Panel and Baseboard view of the set.

Protected Design.

PHILIPS  
"AERIAL  
COP"



OLD VALVE  
BASE



## LEVENSON'S "Like a Flash" Short Wave Adapter

List of parts required:

- 4 UX valve bases.
- Bakelite panel, 10in. x 8in.
- 1 Midget condenser, 3 or 5 plate, C1.
- 2 Midget condensers, .0001.
- 2 De Jur UX sockets.
- 1 De Jur condenser, .00014.
- 1 Grid condenser, .00025, De Jur.
- 1 Grid leak, 2 to 8 meg., Amsco.
- 1 rheostat, 30 ohm De Jur.
- 1 R.F. Choke, Silver Knight.
- 5 terminals.
- 1 Vernier dial, Alpha or Diora.
- 3 1in. knobs.
- 1 Coil hook up wire, Chromax.
- 2 yards silk flex

VALVES USED—

PHILIPS A415 4 volt  
or A615 6 volt

| Meters | Coil Data.<br>Tuning<br>D.S.C. | Reaction<br>Enam.<br>Wire |
|--------|--------------------------------|---------------------------|
| 80     | 22                             | 15                        |
| 40     | 16                             | 11                        |
| 20     | 11                             | 9                         |

Note: All components are on underside of panel except the two UX sockets, they are on top, wire up accordingly. Just Plug into socket of your present detector valve and hear the World's Stations

A PHILIPS AERIAL  
COP at ..... 10/6

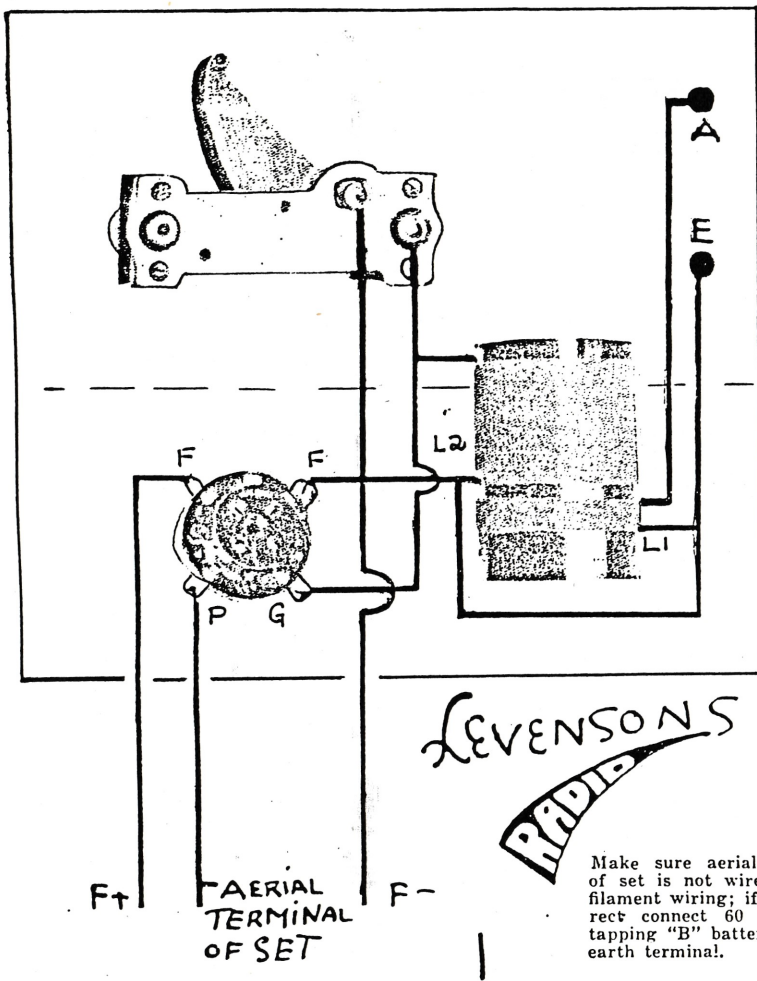
ensures safety for your radio set. A real lightning arrester and safe lead-in.

Bend along this line and you will get an idea of Back Panel and Baseboard view.

Protected Design.

**Levenson's Radio** - The Palace of Wireless  
226 PITT STREET, SYDNEY  
Branch 86a Pitt Street, Sydney (bet. Hunter St. & Martin Place)





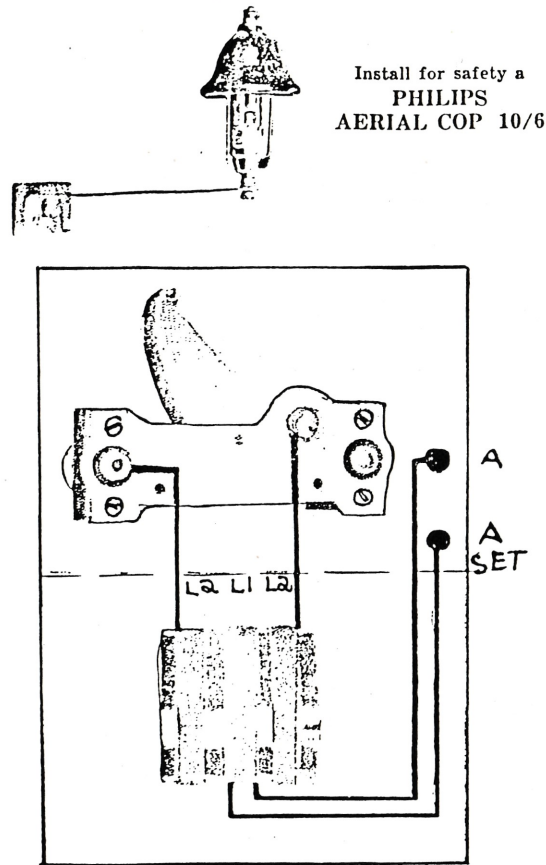
Make sure aerial coil of set is not wired to filament wiring; if correct connect 60 volts tapping "B" battery to earth terminal.

### Like a Flash Hook on Stage of Radio Frequency

Coil Data:  
L1—15 turns  
L2—80 turns  
We recommend  
**PHILIPS VALVE**  
A425 or A630

List of Parts  
Bakelite Panel, 6in. x 6in.  
Baseboard, 6in. x 6in.  
Like a Flash variable condenser, .0005.  
2 Terminals.

2 yards flex.  
1 Dial, Alpha or Diora, vernier or plain.  
1 UX socket, De Jur.  
1 Former, 3in. x 2in. diam.  
1 26 D.C.C.

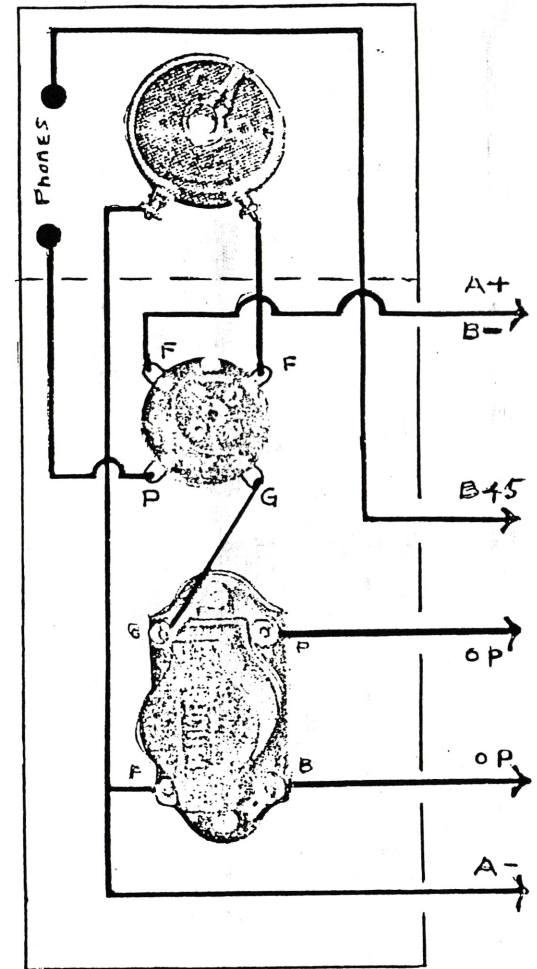


Install for safety a  
**PHILIPS**  
**AERIAL COP 10/6**

### Like a Flash Wave Trap

List of Parts:  
1 Like a Flash variable condenser, .0005.  
1 Former, 3in. x 4in.  
2 Terminals.  
1 Dial.  
1 Piece Bakelite, 6in. x 6in

1 Baseboard, 6in. x 6in.  
1 20 D.C.C.  
1 26 D.C.C.  
Coil data:  
L1—12 turns 26 D.C.C.  
L2—each 25 turns 26 D.C.C. wound in same direction and joined.



### Like a Flash Hook on Stage of Audio

List of Parts:  
1 30 ohm De Jur rheostat.  
1 De Jur UX socket.  
1 **PHILIPS AUDIO TRANSFORMER**  
1 Panel, 4in. x 4in.

1 Baseboard, 4in. x 6in.  
2 Terminals.  
2 yards rubber covered flex.  
We recommend  
**PHILIPS VALVES**  
A409 or A609

# LEVENSON'S RADIO - THE PALACE OF WIRELESS

226 PITT STREET, SYDNEY

Branch: 86a Pitt Street, Sydney (between Hunter Street and Martin Place)

PHILIPS  
"AERIAL COP"  
at .. 10/6



Protected Design.

Bend along dotted line and you will get an idea of Baseboard and Back Panel view of this unit.



## LEVENSON'S 1930 IMPROVED 'B' ELIMINATOR

FOR SETS UP TO 3 VALVES USING SAFE  
IMPROVED TYPE OF RECORD TRANSFORMER

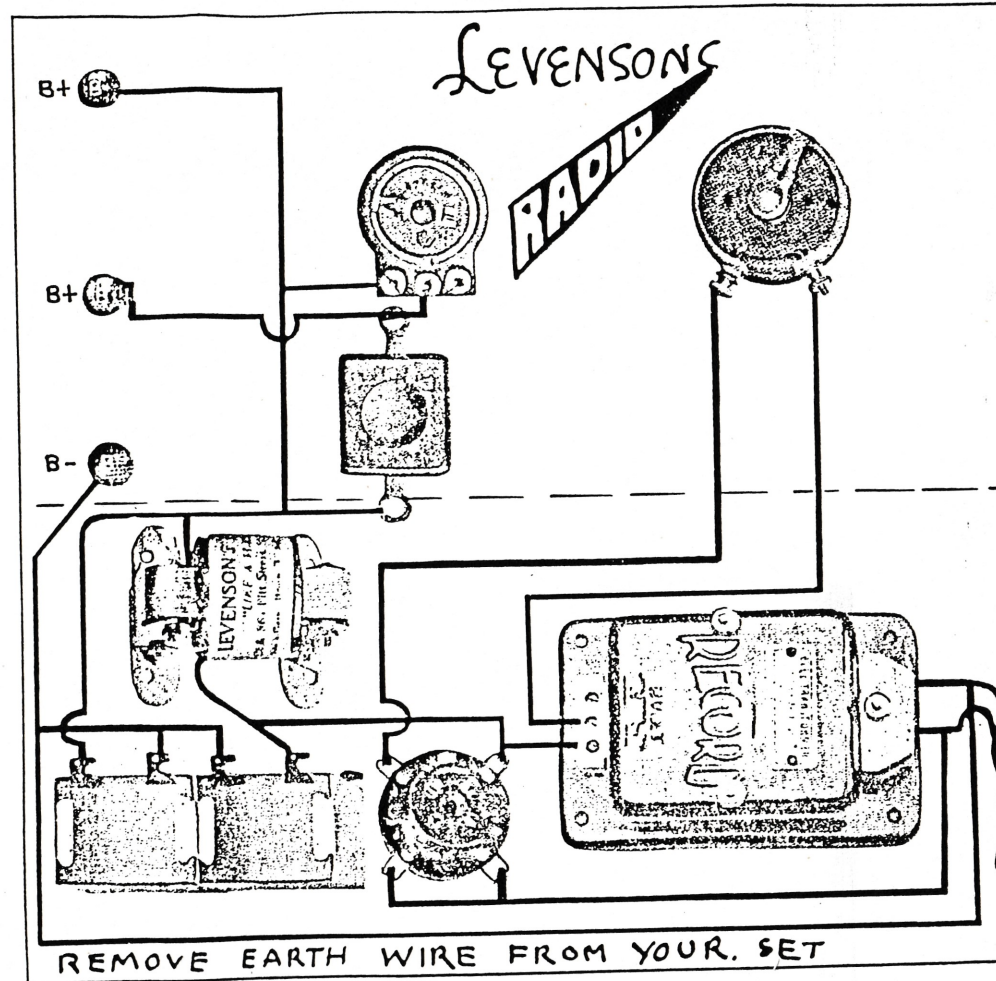
Just plug into your nearest light or power  
socket and eliminate your "B" Batteries

Parts required:

- |  |  |
|--|--|
| 1 Like a Flash 200,000 ohm Resistor.               | 1 Like a Flash Choke.                              |
| 1 Bakelite panel, 8 x 7in.                         | 1 Valve socket.                                    |
| 1 Baseboard, 7 x 9in.                              | 1 Bell - ringing improved type Record transformer. |
| 1 Magnus or Reliance rheostat.                     | 1 Coil Chromax hook up wire.                       |
| 3 Terminals, B+, B+, B-.                           | 1 Coil resin core solder.                          |
| 1 .002 fixed condenser.                            | 3 yards flex.                                      |
| 2 2 mfd. condensers, Like a Flash, 1000 volt test. | 1 Light socket plug.                               |

PHILIPS VALVES TO BE USED—  
UX201A type or A609

Remove earth wire from your set before connecting the unit.



# LEVENSON'S RADIO - The Palace of Wireless

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