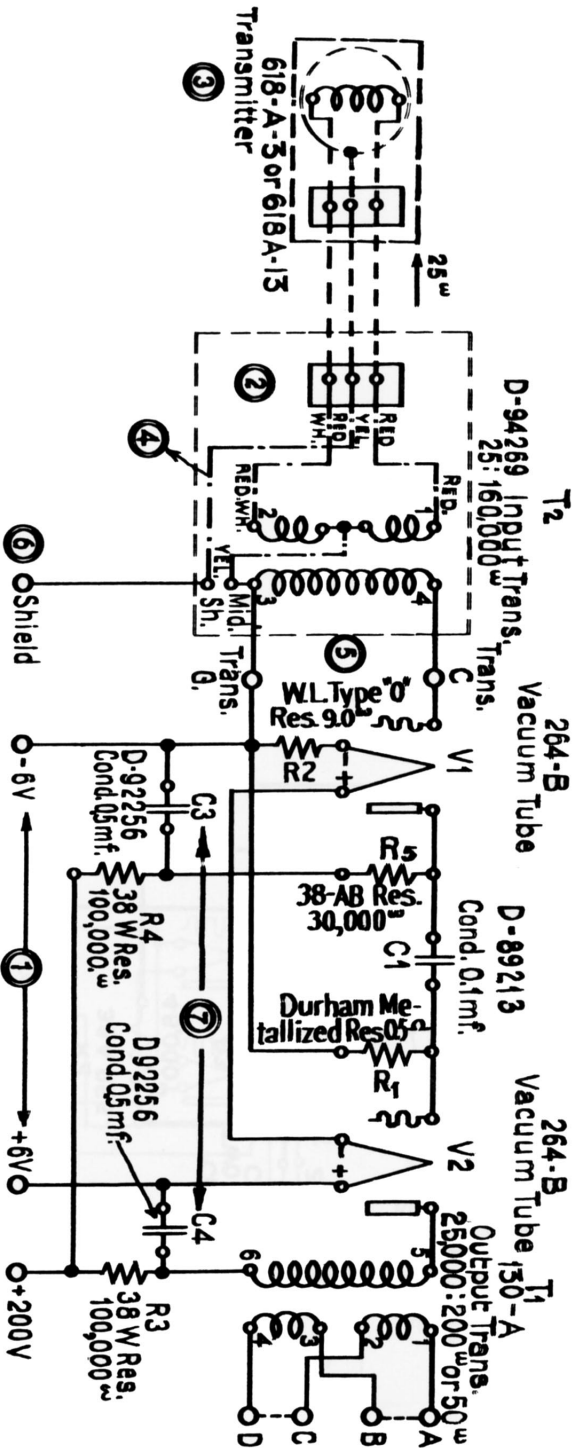


No.53-A AMPLIFIER

BELL TELEPHONE LABORATORIES
INCORPORATED

SCHMATIC CIRCUIT DIAGRAM OF CONVERTED 53-A AMPLIFIER
FOR USE WITH 618A-3 OR 618A-13
TRANSMITTER

910-1875
8-26-31
ISSUE: 1 I.K.
9-10-32
ISSUE: 2 I.K.
2-2-34
ISSUE: 3 R.J.T.



For 200^w Output
strap Band C.
For 50^w Output
straps shown

Notes:

- ① The negative Terminal of the 200 Volt Battery may be connected to either the negative or positive terminal of the 6 volt battery, and the common conn. should be grounded.
- ② The D-94269 Input Transformer includes the D-94535 Plug as an integral part of the Transformer.
- ③ The 618-A-3 Transmitter includes the 405-A-3 Jack, and the 618-A-13 Trans. includes the 405-A-13 Jack, as an integral part of Trans.
- ④ Lines shown thus — are Internal Transformer Connections.
- ⑤ Ward-Leonard 9^w Type "O" Resistance to be equipped with "Radio" terminals.
- ⑥ The Shield Terminal on the Amplifier should be connected to the shield of the five conductor (Battery & Output) cord, and shield grounded only at the 6 volt battery.
- ⑦ Condensers C3 & C4, D92256 Cond. supersede D86779 0.4 m.f. Cond. employed in early shop production 53-A Amplifiers.