



California Dreamer Plus™ v. 2.5
 Variation on the California Dreamer by Gino Iorfida for Ax84.com
<http://www.drifteramps.com>
 Modifications by Dave Zeryck
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Caps: 400 v min. Resistors: ½ w 10%
 Voltages shown are with 272DX and 5Y3 @ 117 VAC
 5U4G yielded: Plate 404V, Screens 400V

Note A: Fixed Bias: 22 – 27 mV across the 1-ohm resistor

| Grid Volts | Sugg. mVoltage @ cathode |
|------------|--------------------------|
| 400 | 23.8 mV |
| 380 | 25.0 mV |
| 360 | 26.5 mV |

Cathode Bias with 272DX is not practical; wattage will exceed max dissipation for 6V6. 300-ohm resistor is max recommended.

Note B: Bias voltage ranges (unloaded) with these resistors, 272DX and 5U4G/5Y3:

| | |
|-----|---------------|
| 15k | 14 – 40 volts |
| 22k | 28 – 53 volts |
| 47k | 55 – 75 volts |

Note on rectifiers:
 With a 272DX PT and the 1608, the amp has plenty of presence. A stiff rectifier (5U4G) can be a bit harsh. With a 5Y3, responsiveness is excellent and overdrive is round & musical.
 In neither case was there much headroom – this design has a lot of gain. Past 3 on the volume is crunch territory, and maxed out this roars.
 The clean sweet spot is narrow. A 12AT7 in V1 would be recommended for cleaner players.