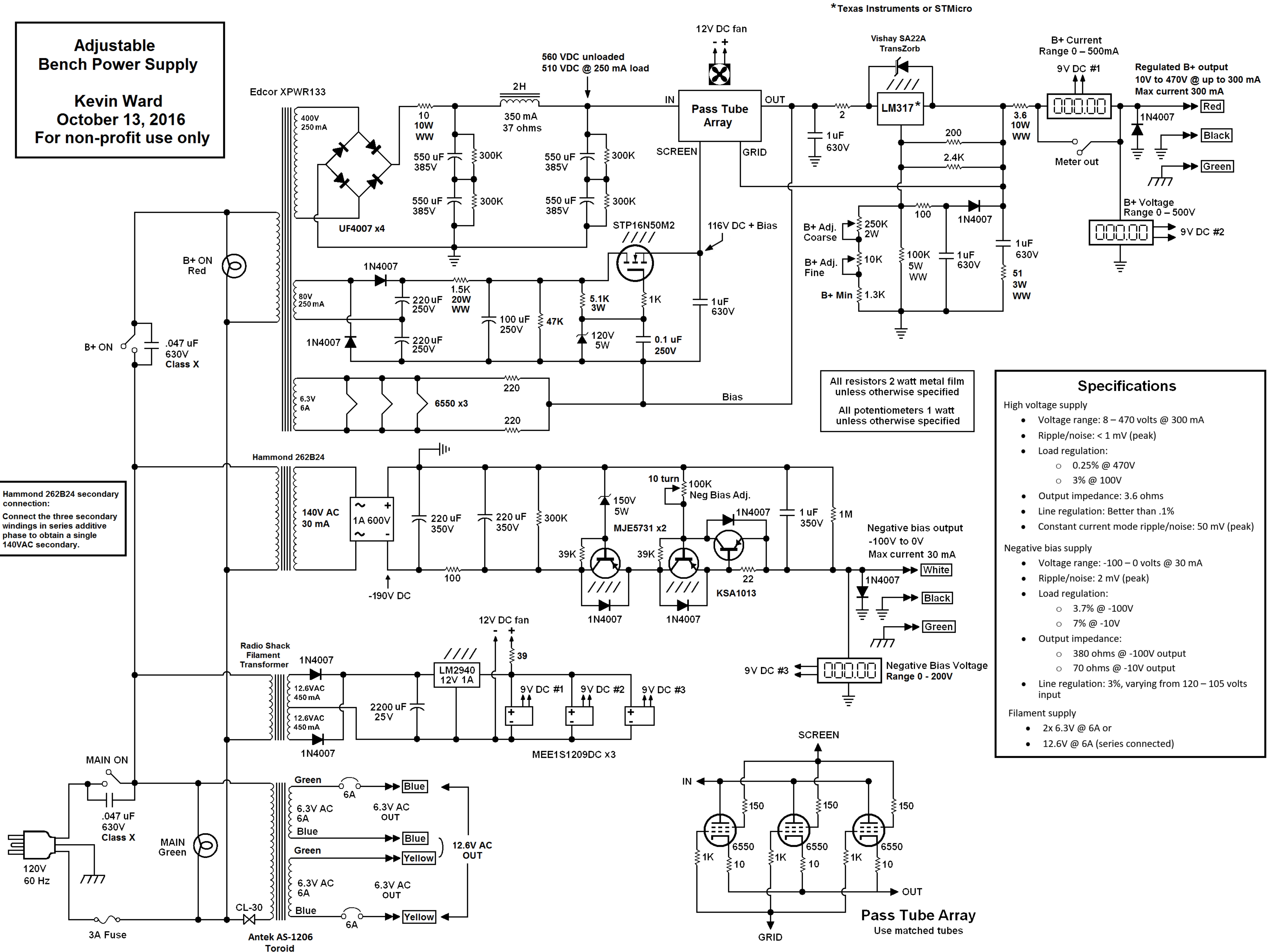


**Adjustable  
Bench Power Supply**

**Kevin Ward**  
**October 13, 2016**  
**For non-profit use only**

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# Specifications

## High voltage supply

- Voltage range: 8 – 470 volts @ 300 mA
- Ripple/noise: < 1 mV (peak)
- Load regulation:
  - 0.25% @ 470V
  - 3% @ 100V
- Output impedance: 3.6 ohms
- Line regulation: Better than .1%
- Constant current mode ripple/noise: 50 mV (peak)

## Negative bias supply

- Voltage range: -100 – 0 volts @ 30 mA
- Ripple/noise: 2 mV (peak)
- Load regulation:
  - 3.7% @ -100V
  - 7% @ -10V
- Output impedance:
  - 380 ohms @ -100V output
  - 70 ohms @ -10V output
- Line regulation: 3%, varying from 120 – 105 volts input

## Filament supply

- 2x 6.3V @ 6A or
- 12.6V @ 6A (series connected)

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