

## 200 Watt AM Shortwave Transmitter Circuit

The published diagrams of Station QRP are for educational purposes only. These are offered for the furtherance of one's knowledge regarding radio frequency design and principles

Transmitter: Tube (6BH6 & 6L6GT & EL84 & 4 x 807)

Voltage: 800 volt / 630 mA

Frequency: 3.9x kHz

Modulation: AM (High Level Modulation System)

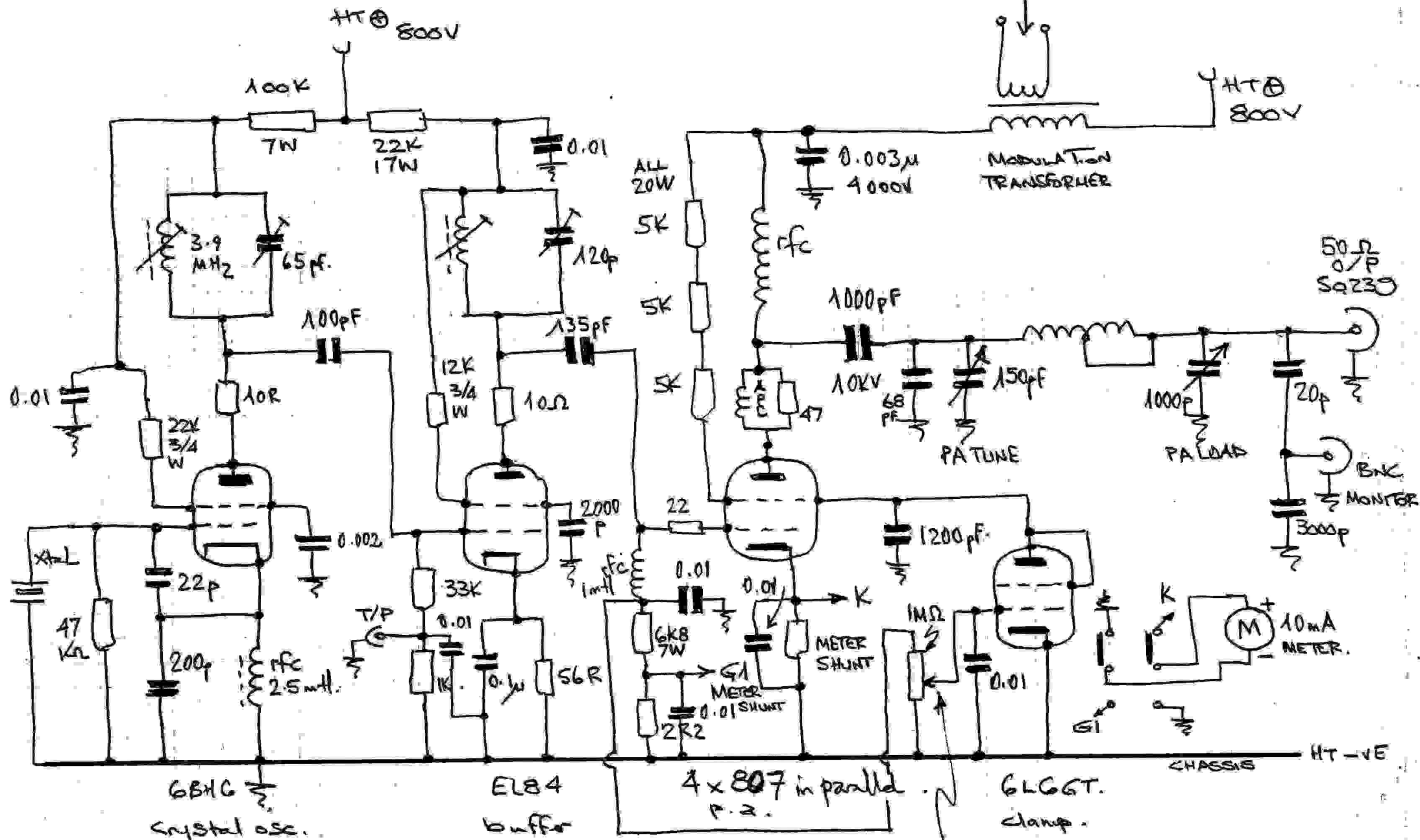
Amplifier: Internal 215 Watt/4 Ohm MOSFET amplifier

Output Power: 200 Watts nominal

# RF SECTION

METERING:-  
KATHODE - FULL SCALE 650 mA  
GRID - FULL SCALE 30 mA.

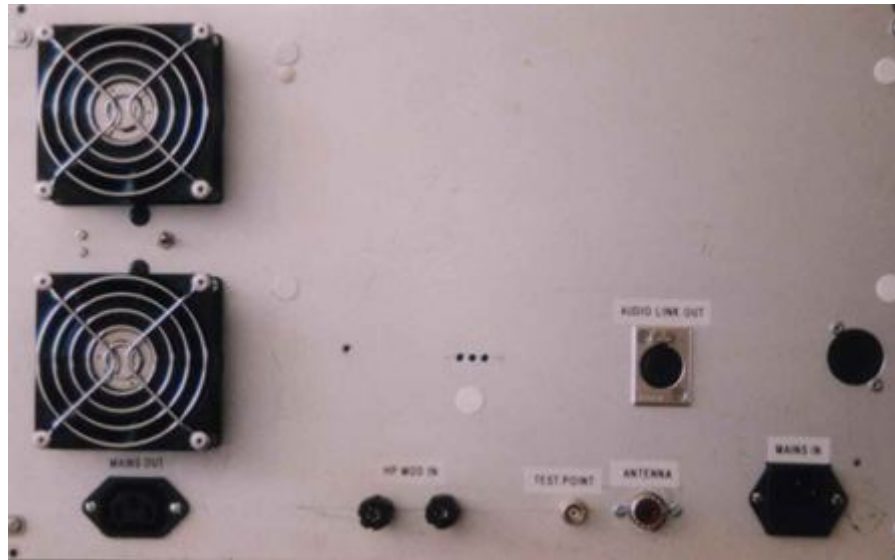
Hi POWER  
MOD INPT.



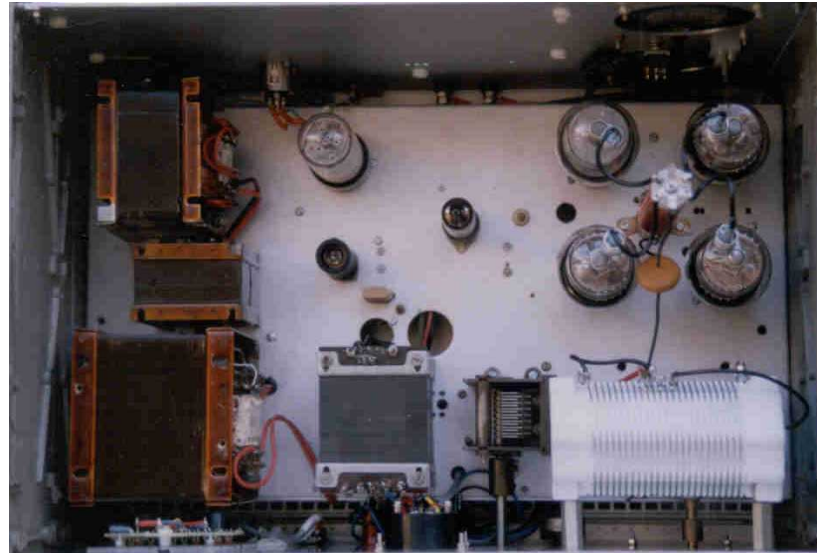
SET POWER LEVEL ON TUNE UP.



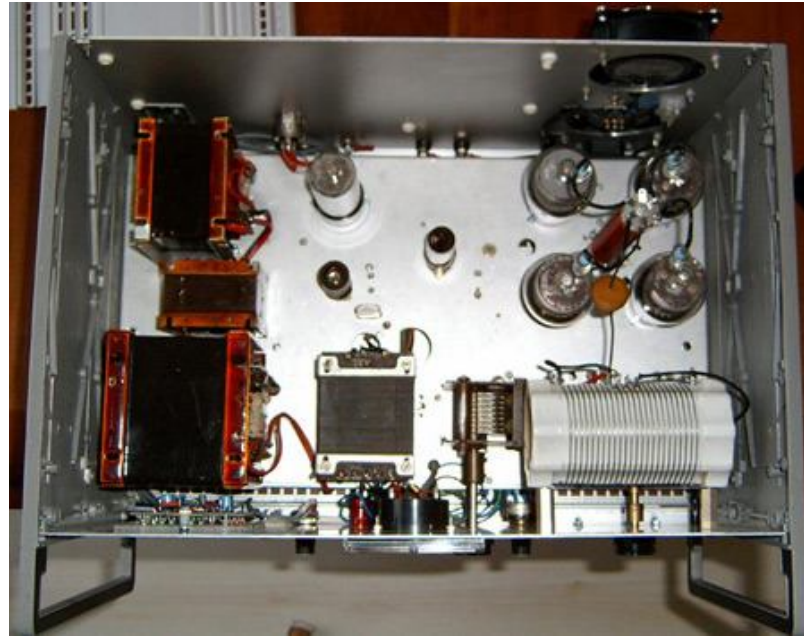
Front of the 200 Watt rig for the 76 meter band



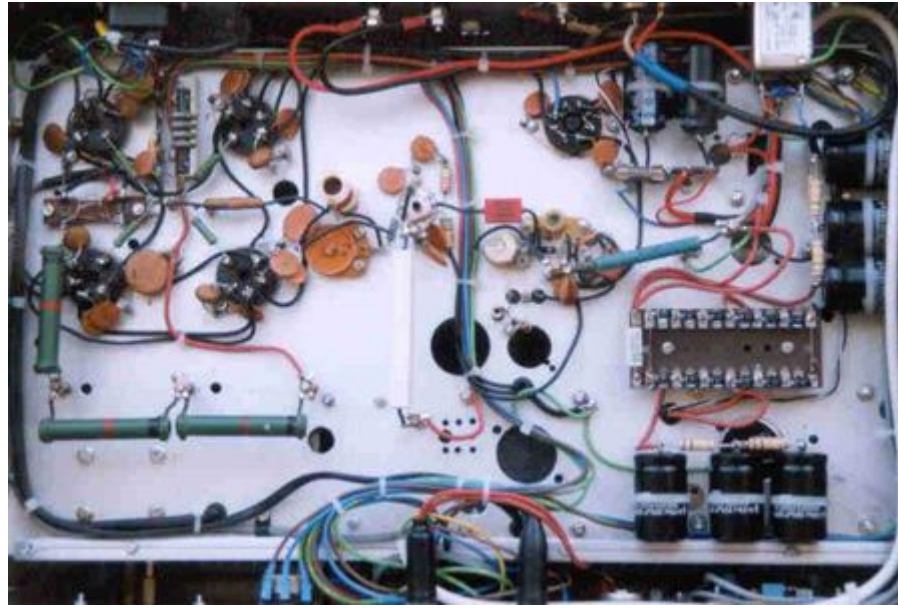
Back of the rig; it really needs two fans



Seen from above; a good view of transformers and tank circuit. To your left the 6BH6 (crystal oscillator), EL84 (buffer), 6L6GT (clamp) and 4 \* 807 (end stage)



To your left the 6BH6 (crystal oscillator), EL84 (buffer), 6L6GT (clamp) and 4 \* 807 (end stage)



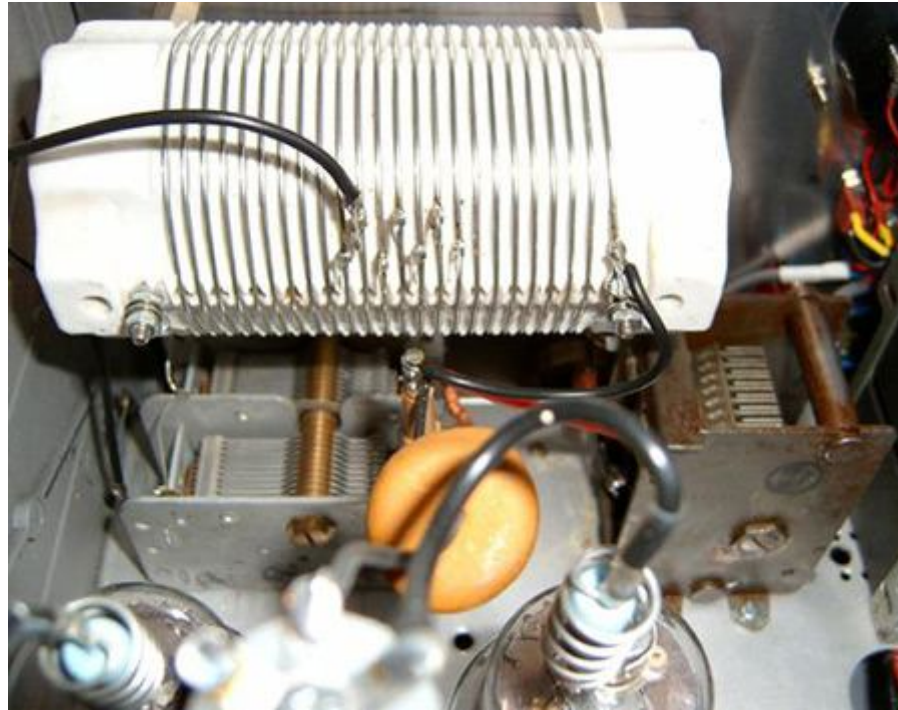
Seen from the bottom.....



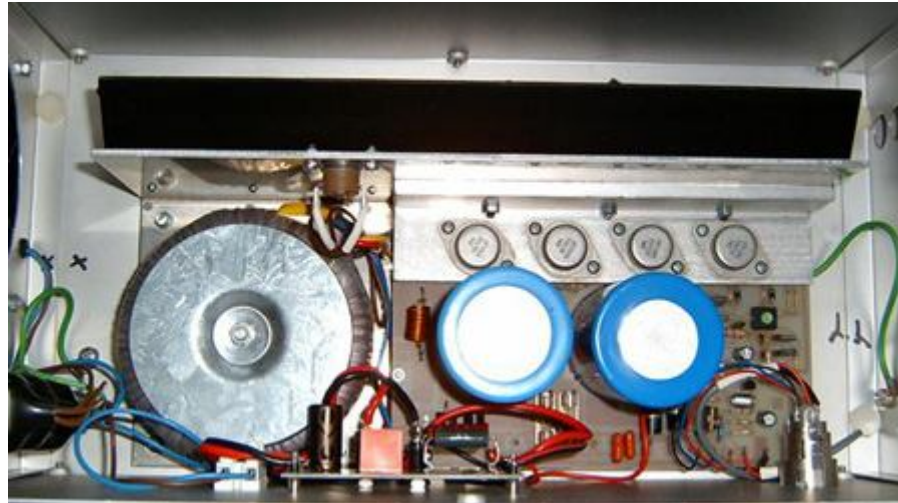


In the end-stage 4 \* 807 in parallel.. nominal output power 200 Watts!





Capacitors and coil



The 215 Watt MOSFET amplifier build in a different box



The 807s I was using were made in May 1944.....