

## WA4MNT Paraset Project



Oluf Reed Olsen's original Paraset at the Imperial War Museum in London

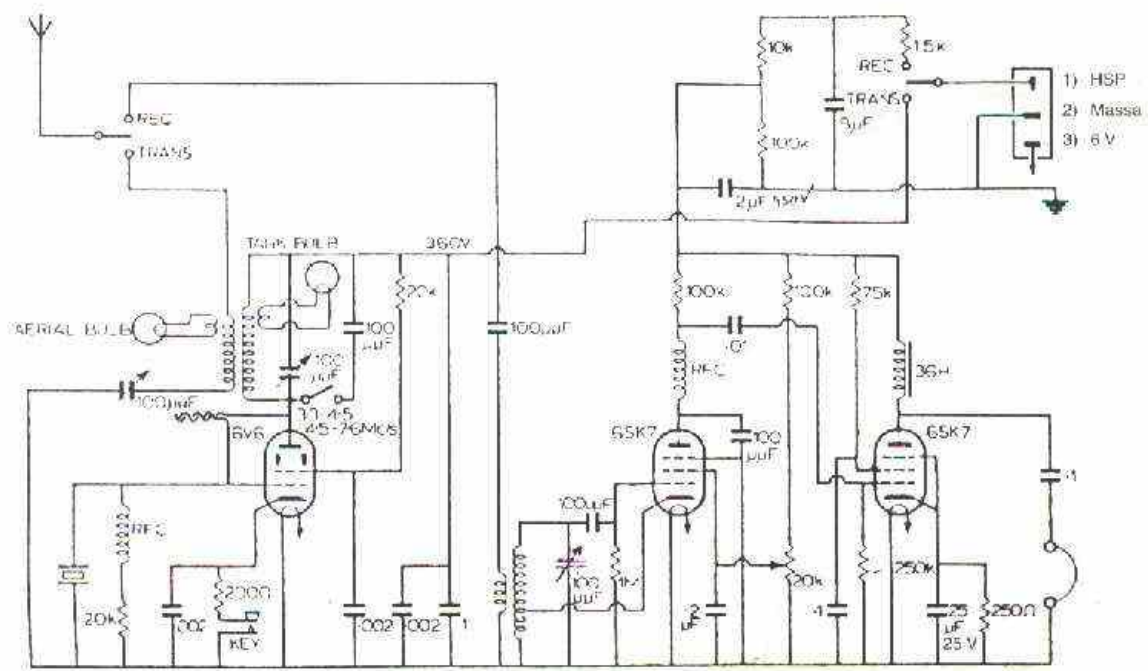
The "Paraset" is a small (for 1940's standards), low power, vacuum tube, CW, clandestine transceiver. It was parachuted behind enemy lines, to Allied resistance groups in northern Europe, and Scandinavia during WW II. It was designed for Britain's Special Operations Executive. It was known as the Whaddon Mark VII, developed at the Royal Signals Communications Unit at Little Horwood and the workshops of Whaddon Hall, Buckinghamshire in the early stages of the war. The regenerative receiver covered 3.0 MHz – 7.6 MHz, in one band, while the crystal controlled transmitter coverage was slightly larger, in two bands, selectable by a toggle switch. The output power was approximately 4-5 watts.

Original remaining Parasets show that they were housed in knapsacks, small boxes and metal cases. There were different power supplies that would operate from 6 volts DC, to 220 VAC. There was even a steam powered 6 VDC generator. Most of the original units were sent back to Britain after the war and destroyed. A few are in private hands and museums. There has been a lot of activity in the last few years to reproduce the radio. A very accurate reproduction can be fabricated due to the research of various groups. There is a Yahoo group dedicated to this topic, search for "parasetbuilders", and a group in Britain [www.paraset.co.uk](http://www.paraset.co.uk).



Lee Hutchins (KA1IRL) showing his Parasetts to Doug Hendricks (KI6DS)

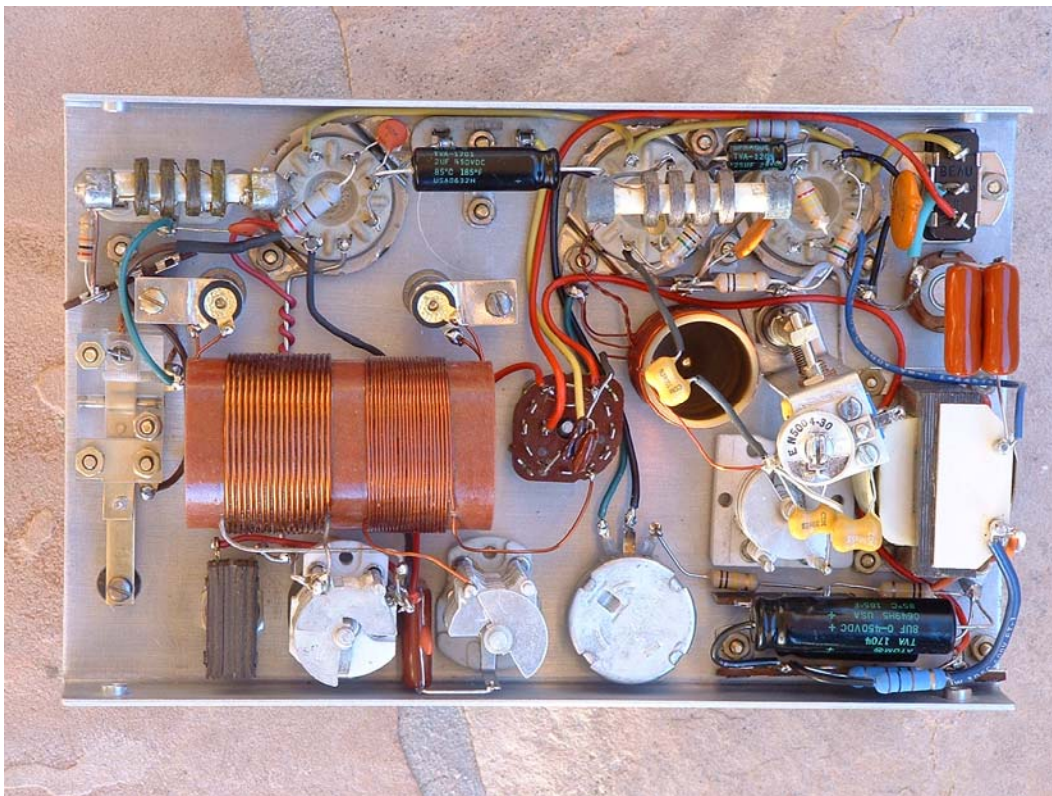
In 2007 I attended the Pacificon QRP forum sponsored by the Norcal QRP group. Lee Hutchins (KA6IRL), gave an excellent presentation of the history and brought along two of his replica Parasetts. When I returned home I began searching for the components to build one of my own.



### Schake'sche Paraset

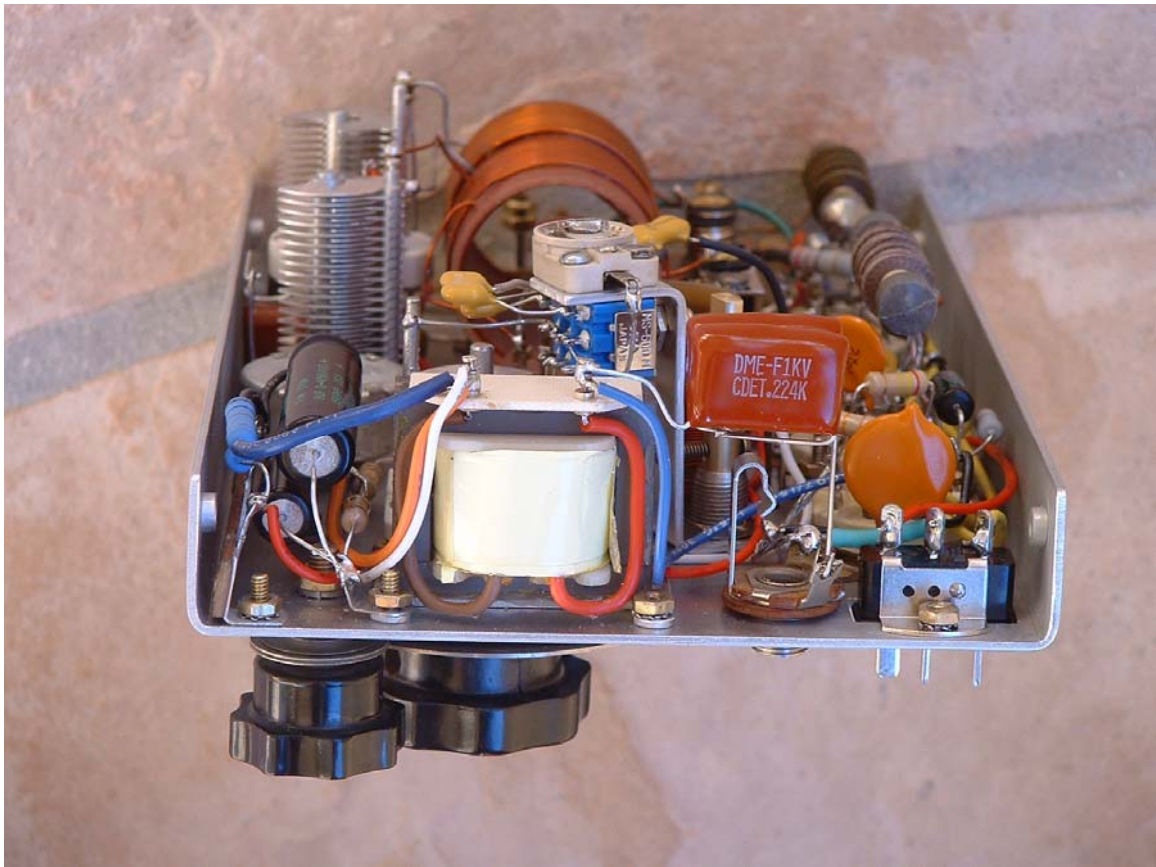
Original schematic





Capacitors and resistors are currently manufactured parts



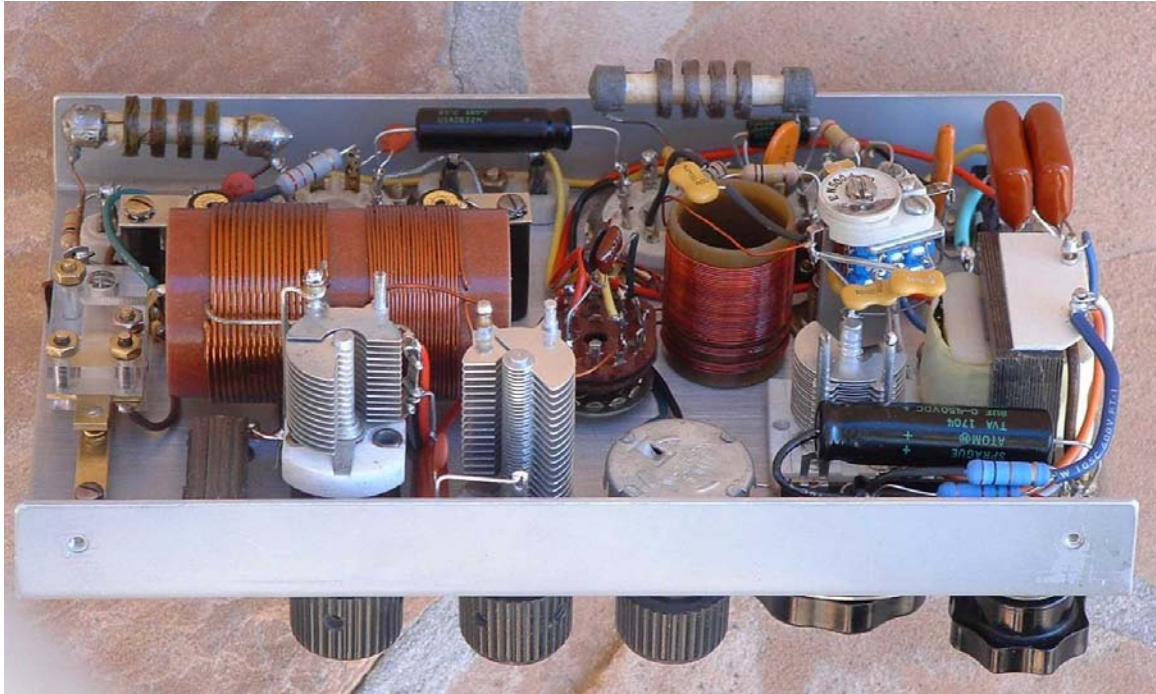


The audio choke is a modified 5 tube audio output transformer.

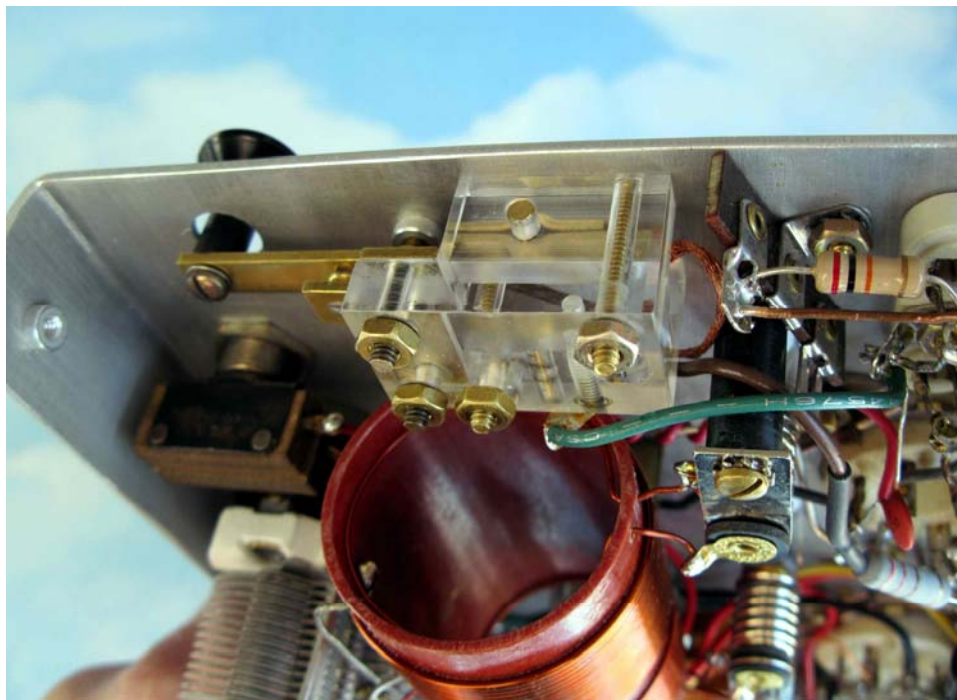
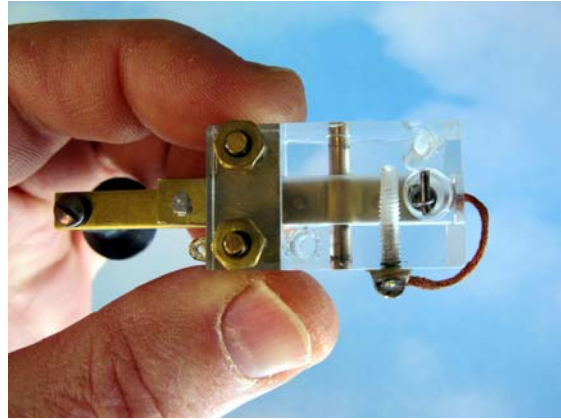


The key is a machined replica of the acrylic original.



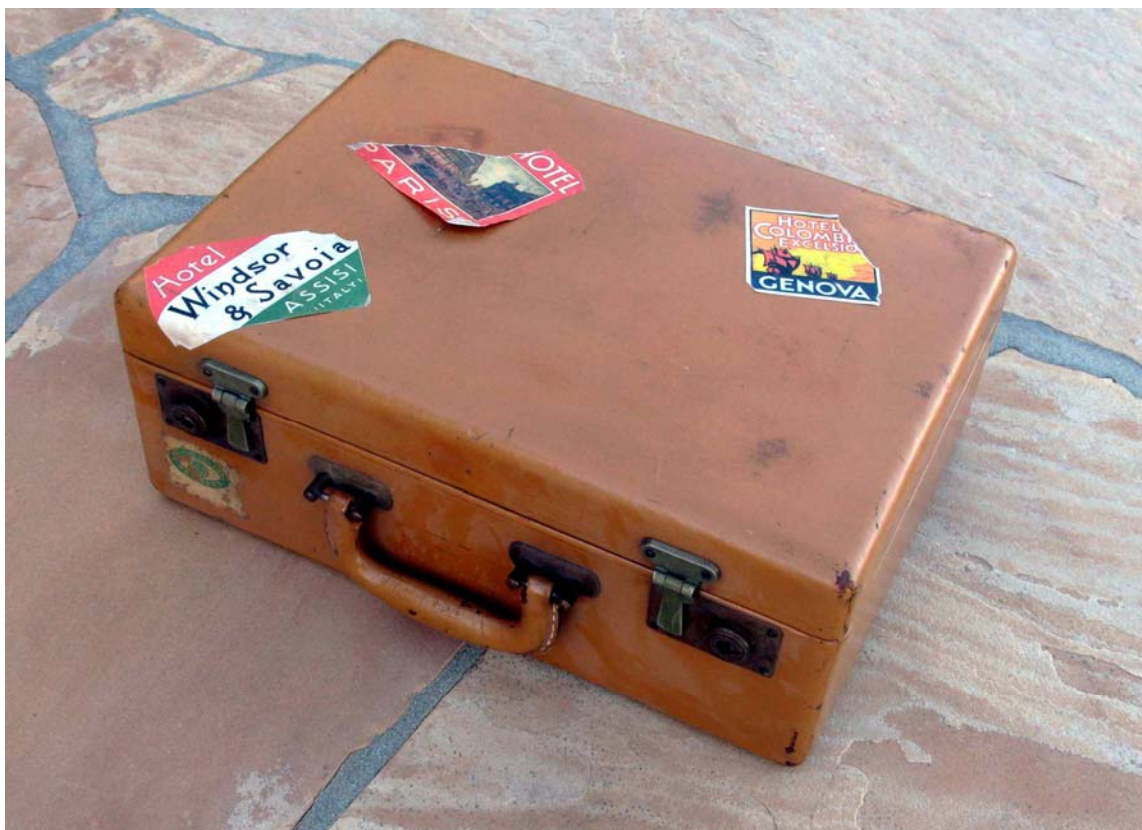


The power supply and radio are housed in oak boxes.



Replica of the original acrylic key





I found a vintage 1940's case on eBay and used that to house the project







## PARASET CONTACT WA4MNT

Paraset – Clandestine, 4-5 watt output, CW transceiver, 3.0 – 7.8 Mhz. Designed by the U.K., and parachuted behind enemy lines in early WW2.

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