



'Unknown SEL' Country of origin: Germany

DATA SUMMARY

Organisation: Believed French Intelligence Service and Bundesnachrichtendienst. (BND)

Design/Manufacturer: Standard Elektrik Lorenz AG, Germany

Year of Introduction: Probably late 1950's.

Receiver:

Circuit Features: RF, mix/osc, IF/AF, IF/BFO, Det. (AM R/T and CW).

Frequency Coverage: 2-15MHz in a four ranges.

Intermediate Frequency: 473kHz. (believed)

Valves: ECH81 (2x), EF82, unknown (2x).

Transmitter:

Circuit Features: MO (crystal control), RF power amplifier (two valves in parallel). AM R/T and CW).

Frequency Coverage: 3.7-20MHz.

Valves: EL90 (2x), other valve unknown.

Power Supply: 110/220V AC mains or 6V accumulator.

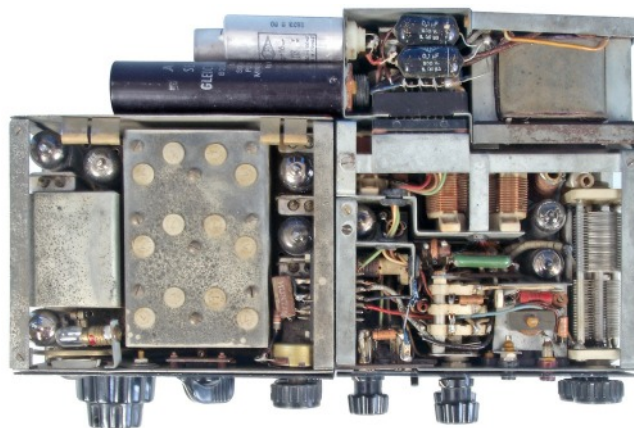
Size (cm): Height 9, Length 19, Width 33.

Weight: 7½ kg.

Accessories: Morse key, AC and DC power cables, headphones, crystals, aerial and earth wire, spare valves carried inside the set.

Remarks

The 'Unknown SEL' described in this chapter was an agents transmitter-receiver almost certainly developed and produced by Standard Elektrik Lorenz AG (SEL). It was initially thought that this set (and the SEM-78 described in Chapter 07) was produced by Telefunken. Recent information, however, pointed to the fact that the nomenclature SEM was used exclusively by Standard Elektrik Lorenz. The unknown set resembles in general design and mechanical construction the SEM-78 (See Chapter 7) which might have been a later updated version and successor. The 'Unknown SEL' comprised three separate units fitted in a mounting frame: receiver (left), transmitter (right) and the power supply unit at the back, bolted to the transmitter unit. Each of the three units had plugs and sockets which allowed easy replacement of a faulty unit. Considering the French abbreviations on the front panel, *T=Terre=Earth*, *M=Manipulateur=Morse key* and *cq=Casque =headphones*, it is believed that the set was also used by the French Intelligence Service.



Top view of the three units of the 'Unknown SEL' agents set: Receiver left, Transmitter right and Power Unit above.



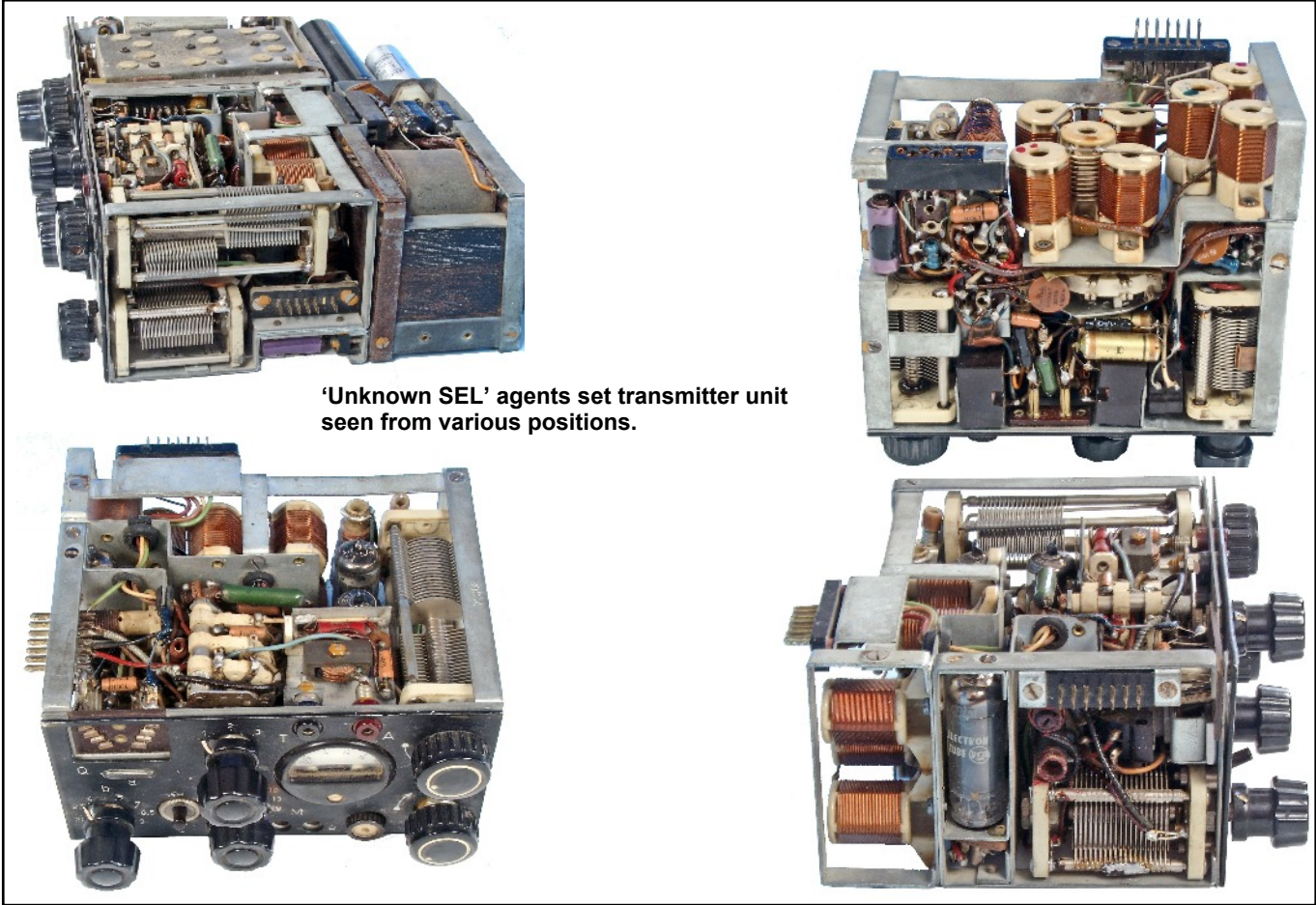
A near identical set with a slightly different construction of the receiver wave band switch was found in Serbia.



'Unknown SEL' agents set with ancillaries photographed in a 'period' suitcase, most probably not original.

References:

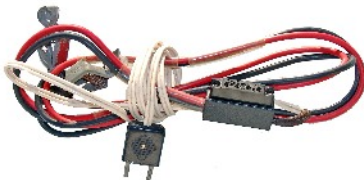
- Photographs and general (technical) information was kindly provided by Detlev Vreisleben, DC7KG, Germany.
- With thanks to DJ9CI, Germany.



'Unknown SEL' agents set transmitter unit seen from various positions.



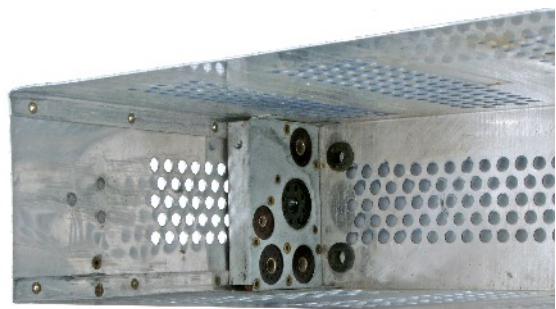
Receiver unit of the 'Unknown SEL' agents set. Note the socket in the right picture which connected the receiver to the transmitter unit.



AC mains and DC input cable. Changing from AC to DC was done by a switch located on the transmitter front panel



Combined AC/DC power unit which plugged into a socket located at the rear of the transmitter unit.



Internal view of the metal enclosure showing a tray for fitting spare valves and vibrator.