FS-7 (Part of SP-15)
Country of origin: Germany W

DATA SUMMARY

Organisation: Bundesnachrichtendienst (BND), FRG.
Manufacturer: Pfitzner, Germany.
Year of Introduction: Early 1960s.
Purpose: Agents, Stay Behind and Special Forces.
Transmitter:
　Circuit details: CO/RF power amplifier. (CW only)
　Frequency coverage: 2.5-24MHz in 6 ranges:
　2.5-3,3-4, 4-5, 5-8, 8-14, 14-25MHz.
　Valves: EL95, EL81. (OC450 transistor)
　RF output: 20W or 8W with reduced power.
Receiver: FE-7 (see chapter 108) and other models.
Power Supply: 95-235V, 50-60Hz mains or 12V DC
using a separate DC power supply.

Size (cm) and weight (kg):

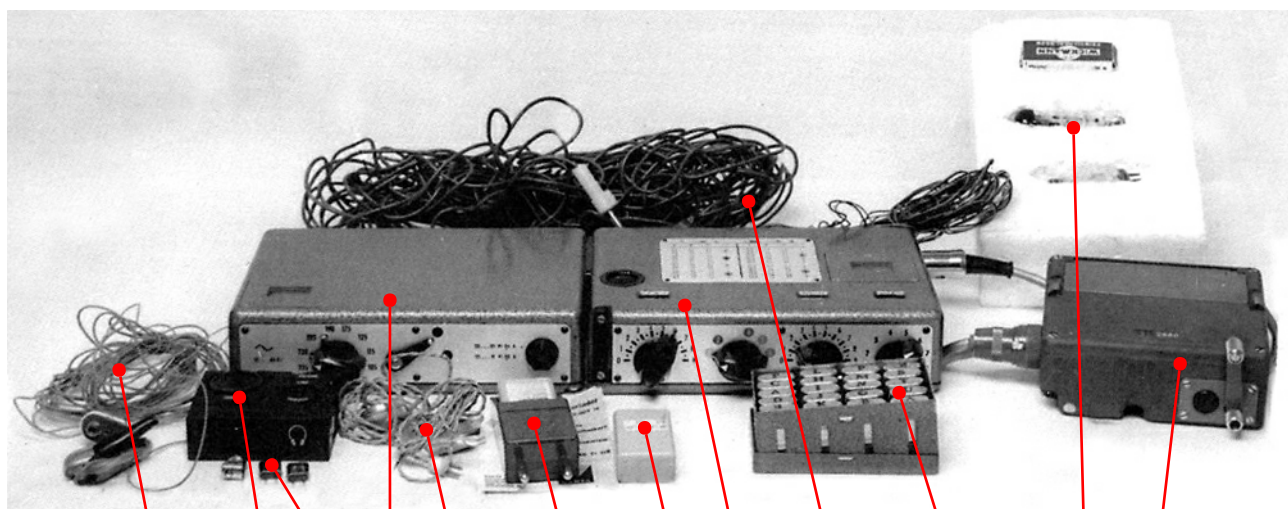|	height	length	width	weight
FS-7 transmitter	4.5	17	12	1.2
AC mains power supply	4.5	17	12	1.9
DC power supply	4.5	17	12	1.2

Accessories: Crystals in box, Morse key, aerial and earth
wire, high speed Morse keyer, spare parts.

This Supplement chapter is a follow up and should be
read in conjunction with the SP-15 section in the '*Germany after 1945*' chapter of WftW Volume 4 for more
detailed information, b/w pictures and circuit diagrams.

REMARKS

The FS-7 transmitter was developed for use by BND agents, Stay
Behind and Special Forces as part of the SP-15 station. It was the
successor of the KSG-Sender (chapter 55), and introduced in the
early 1960s. *The SE 25, used by GDR agents operating in the FDR
was a direct copy, but with a smaller frequency coverage. (chapter
60).* The FS-7 could be hand keyed, but was normally issued with a
high speed Morse keyer, initially a KSG Geber (chapter 96), but later type RT-3 and GRA-71. The associated receiver was a FE-8 (see
chapter 108) which was produced by Wandel & Goltermann in Germany. Noted is the use of an FE-10 receiver (picture below and described in chapter 33). In the 1970s the SP-15 was replaced by the
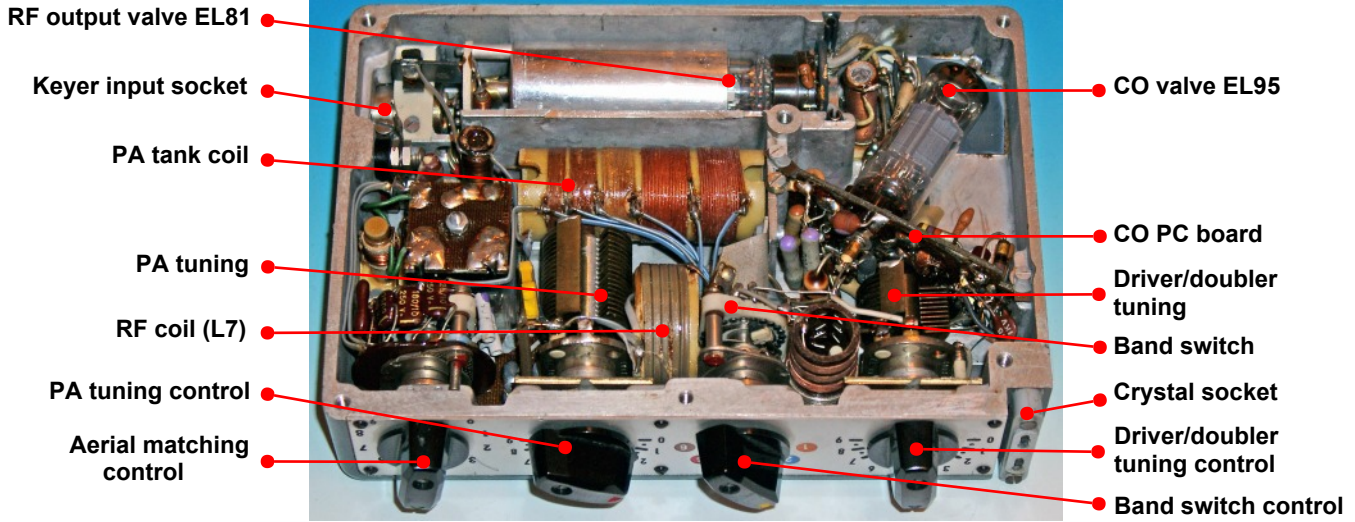SP-20.
For more and very detailed information see the SP-15 page of the
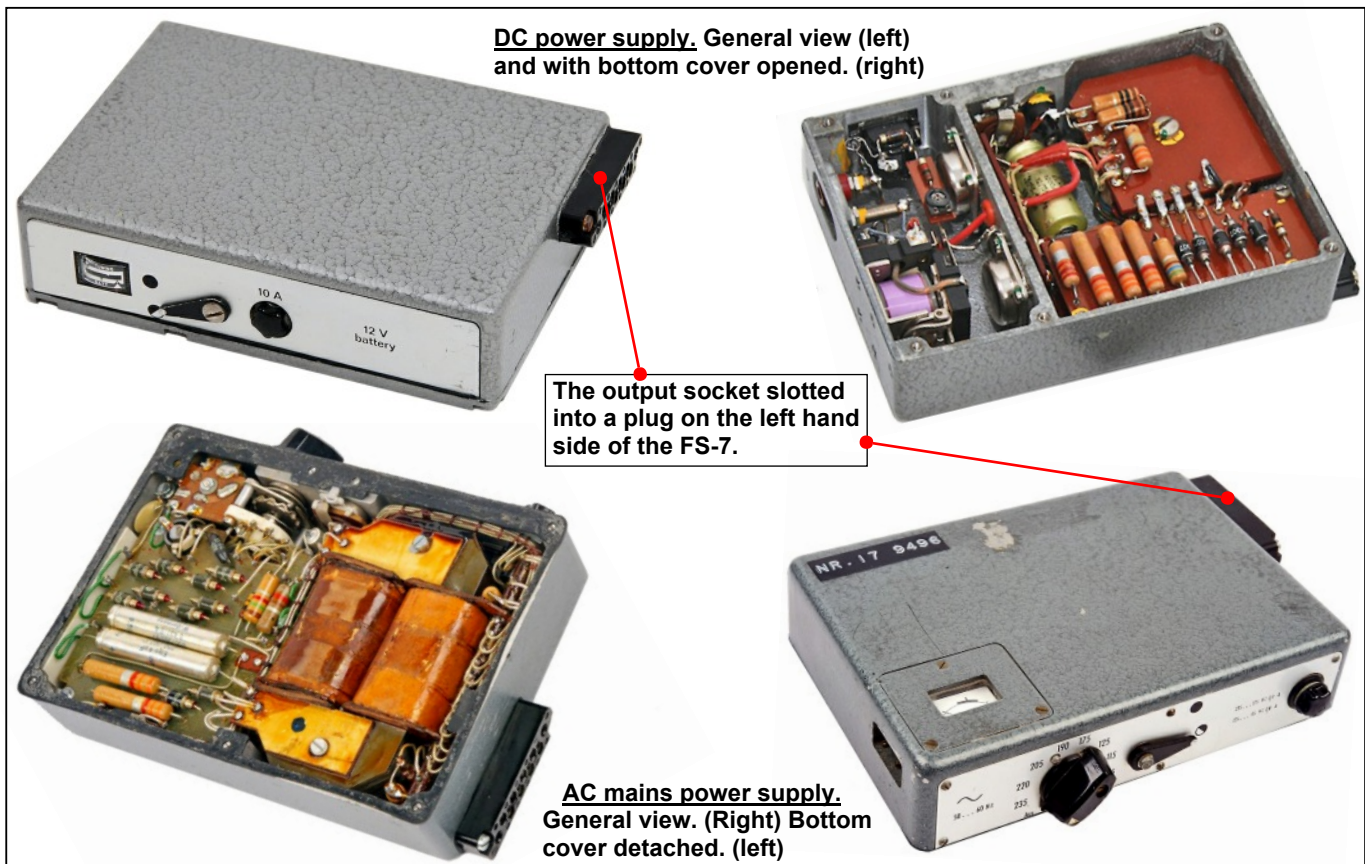Crypto Museum website www.crypto museum.org

| FS-7 parts: | | AC mains power supply | | | | | | FS-7 | aerial wire | crystals | spare valves |
| FE-10 parts: | aerial wire | FE-10 | crystals | earphone | charger | battery | | | | | RT-3 high speed Morse keyer |

SP-15 station with FS-7 transmitter, RT-3 high speed keyer and FE-10 receiver with accessories.

RF output valve EL81

Keyer input socket

PA tank coil

PA tuning

RF coil (L7)

PA tuning control

Aerial matching control

CO valve EL95

CO PC board

Driver/doubler tuning

Band switch

Crystal socket

Driver/doubler tuning control

Band switch control

Internal view of FS-7 transmitter with explanation of components and controls.

DC power supply. General view (left) and with bottom cover opened. (right)

The output socket slotted into a plug on the left hand side of the FS-7.

AC mains power supply. General view. (Right) Bottom cover detached. (left)

This FS-7 transmitter with ancillaries was waterproof packed camouflaged as a large stone, and buried as a 'dead drop' (dead letter box) by a courier for use by an agent. It was found in the GDR after the capture of the 'Raue' agents group.

References:
- Photographs, scans, primary information and support was kindly supplied by Detlev Vreisleben, DC7KG, Germany.
- Colour photos of interior and additional information courtesy Crypto Museum, Holland. www.cryptomuseum.org
- Wireless for the Warrior, Volume 4, 'Germany after 1945'.