

Neptun Country of origin: Czechoslovakia

DATA SUMMARY

Organisation: ŠTB - Štátna bezpečnosť (Secret State Police) and Správa 1 - rozviedka (Government, Department 1, espionage).

Design/Manufacturer: Správa 6 - spojovacia technika (Government, Department 6, communication technics).

Year of Introduction: Early 1960s.

Purpose: Agents.

Transmitter:

Circuit Features: CO/PA.

Crystal control (CW only).

Frequency Coverage: 3-12MHz in two ranges.

Valve: 3L31, equivalent of 3A4.

Power Supply: AC power supply or dry batteries 1½V and 9V with DC/DC converter for HT.

Size (cm): Height 4, Length 9, Width 11, Weight: 460g.

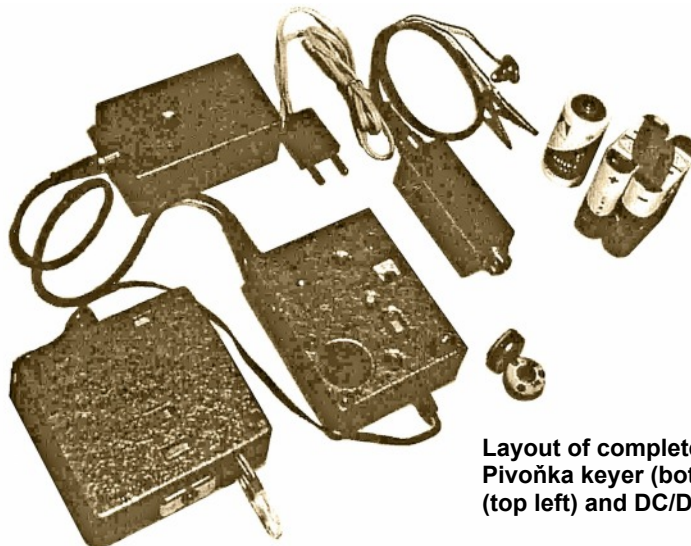
Accessories: AC power unit, DC/DC converter, elbug type 'Pivoňka' (Peony, after the name of the designer), aerial wire, crystals, earpiece for hearing side tone of the elbug keyer.

Remarks

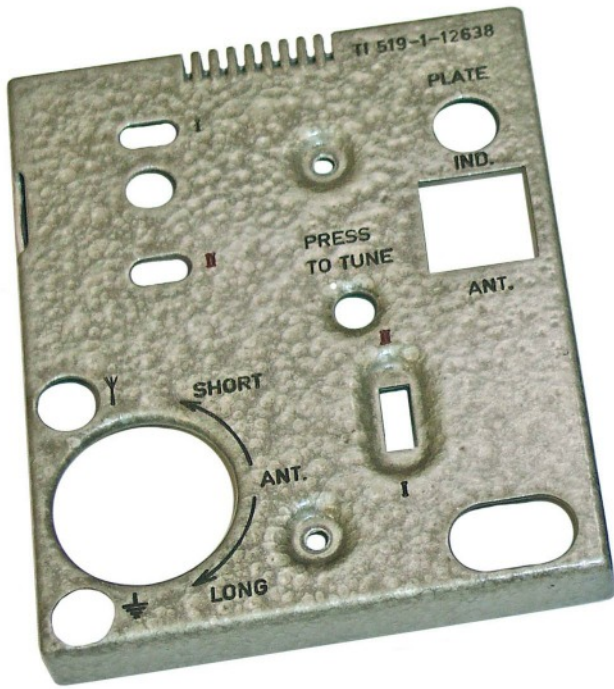
The Neptun was a miniature transmitter operating from AC mains or dry batteries. When operated independent of the mains, HT was obtained from a DC/DC converter allowing the use of easy obtainable 4½V flashlight batteries. The set was crystal controlled using round shaped miniature crystals, of which 8 were stowed in a plastic magazine. For emergency, a miniature hand-speed Morse key was incorporated in the set (bottom right under the meter and next page). An elbug (electronic semi-automatic Morse key) was normally used, connected to the external key socket. (see Chapter 35 for more details). The Neptun was developed and produced by Správa 6 - spojovacia technika 1 as project number TI 519 in the early 1960s.

References:

- Photographs, scans and general (technical) information was kindly provided by Miro Hornik, OM3CU, Slovak Republic.
- More information on Miro's website: www.om3cu.sk
- Colour photos on page 2 by Detlev Vreisleben, Germany.



Layout of complete Neptun transmitter (centre), Pivoňka keyer (bottom left), mains power unit (top left) and DC/DC converter unit top centre).



Internal view of Neptun transmitter with top cover removed. Note the miniature hand-speed Morse key in the right hand bottom corner.



Complete Neptun transmitter with accessories (note the Mullard spare valve wrapped in plastic) packed in a transit case.