



AP-7 Country of origin: Polish in England

DATA SUMMARY

Organisation: Polish Army in exile.
Design: Ing. Tadeusz Heftman.
Manufacturer: Polish Military Wireless Research Unit, Stanmore, England (Polski Wojskowy Warsztat Radiowy).
Year of Introduction: 1945.
Purpose: Agents, partisans, resistance.
Transmitter:
Circuit Features: Crystal oscillator/RF power amplifier. CW only. 3W RF output.
Frequency Coverage: 4.5-8MHz.
Valve: 117L7GT.
Receiver: Modified Polish OP-3.
Circuit Features: Superheterodyne. AM and CW.
Frequency Coverage: 4.5-8MHz.
Valves: 9001 (4x), 9002.
Power Supply: 120V AC; 220V AC via an external autotransformer.
Size (cm): height length width weight (kg)
 Transmitter unit 17½ 4 12½ 0.8
 Receiver unit 17½ 4 12½ 0.8
Accessories: Wire for aerial and counterpoise, (2 x 10m plus feeder for making a dipole aerial), crystals, headphones, mains lead.

This Supplement Chapter is a follow up of the AP-7 section in the 'Poland' chapter of WftW Volume 4.

REMARKS

The AP-7 was a self contained miniature transmitter-receiver developed by Ing. T. Heftman and built in late WW2 by the Polish Military Wireless Research Unit in Stanmore. The set was basically a combination of a modified Polish OP-3 receiver equipped with miniature 9000 series valves, and a transmitter housed in the battery compartment of the OP-3, with a foldable Morse key on top. The transmitter had terminals for connecting a dipole or an aerial and counterpoise. It should be noted that the 3 position band switch of the OP-3 was omitted in the AP-7 receiver. A small number of AP-7 sets were produced, but it is not believed that these were used in active service. The AP-7 resembles the Polish OP-2-G (see below). Note the range switch lever and miniature BFO switch which do not show on the AP-7 receiver.

References:

- Photograph courtesy Bogdan Szkudlarek, SP3LD, Poland.
- OP-3G photograph courtesy Mike Willenbroek, Holland.
- Charakterystyka Techniczna specjalnego sprzeru radiokomunikacyjnego, *inz. T. Heftman*, p.p. 3, n.d.
- The Polish Radio Centre, Stanmore, Pat Hawker, Radio Bygones, p.p. 10/11, No. 25, Oct./Nov. 1993.

Polish OP-3G



The Polish Stanmore OP-3G receiver was a variation of the OP-3 which had a built-in loudspeaker in the battery compartment (right). It was otherwise a standard OP-3. See also Chapter 24 of WftW Supplement.