

CLASSIFICATION SECRET [redacted]

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COUNTRY East Germany

25X1 REPORT [redacted]

TOPIC New Radar Sets Observed in an AA gun Emplacement in Magdeburg

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EVALUATION [redacted]

PLACE OBTAINED [redacted]

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DATE OF CONTENT [redacted]

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DATE OBTAINED [redacted]

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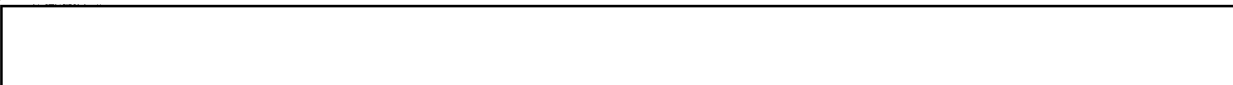
DATE PREPARED

28 January 1954

REFERENCES

PAGES 1 ENCLOSURES (NO. & TYPE) 2 - sketches on ditto with legends

REMARKS

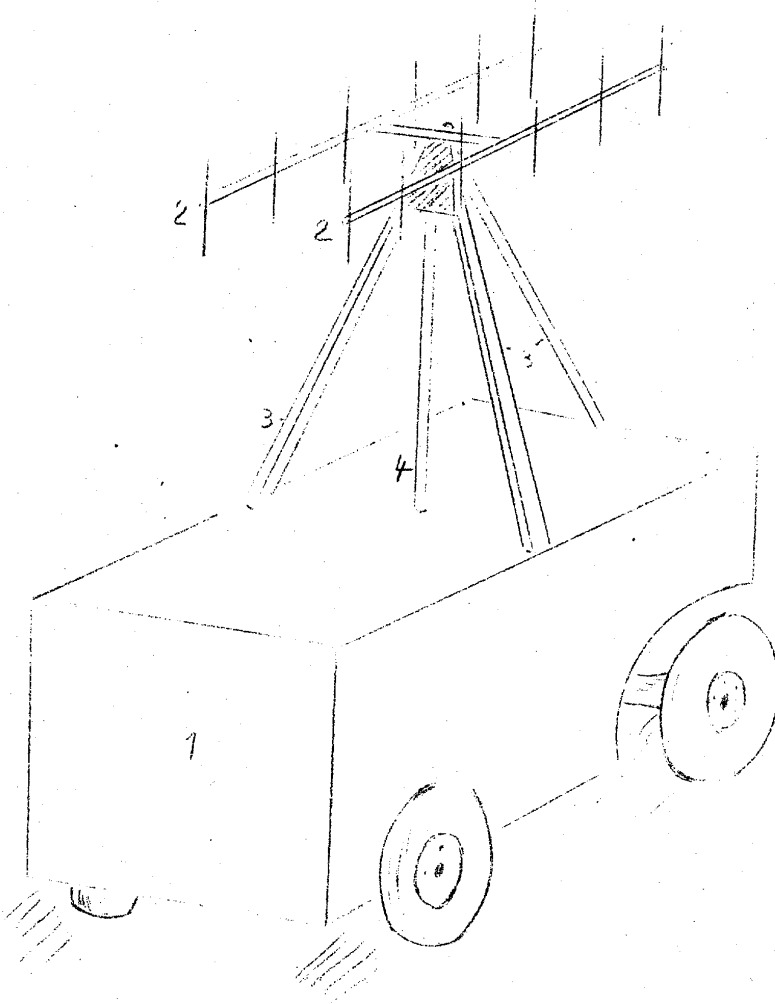


- 25X1 1. [redacted] two new radar sets from the ordnance shop of the Flak Kaserne in Magdeburg-Crakau. One of the two sets was repeatedly observed. It was mounted on a motor vehicle trailer and had an antenna system consisting of two 6-sectional Yagi-type antennas mounted in a flexible way and about 60 cm apart on top of a three-legged supporting trestle on the roof of the trailer. The vertical dipoles were 60 to 70 cm long.²
- 25X1 2. The second set was observed for the first time on 26 November 1953. It was also mounted on a trailer. Two shell-shaped reflectors, about 60 cm in diameter and 4 cm apart, were fitted on the rear edge of the roof. The reflectors were directed to the rear but their exact position could not be determined. No rotary movements were observed.
- 25X1 1. [redacted] Comment. During the period of observation, the Flak Kaserne in Magdeburg-Crakau was occupied by the 3rd Gds AAA Div of the Third Shock Army.
- 25X1 2. [redacted] Comment. For sketch of radar set with legend, see Annex 1.
3. [redacted] Comment. The set with two reflectors possibly is a version of the radar set of type AA No 3 MK 2. For sketch of set with legend, see Annex 2.

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Radar Set with 2 Yagi-Type Antennas Observed
in an AA Gun Emplacement in Hagieburg



For legend, see next page.

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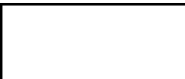
Radar Set with 2 Yagi-Type Antennas Observed in an AA Gun Emplacement in
Magdeburg.

Legend:

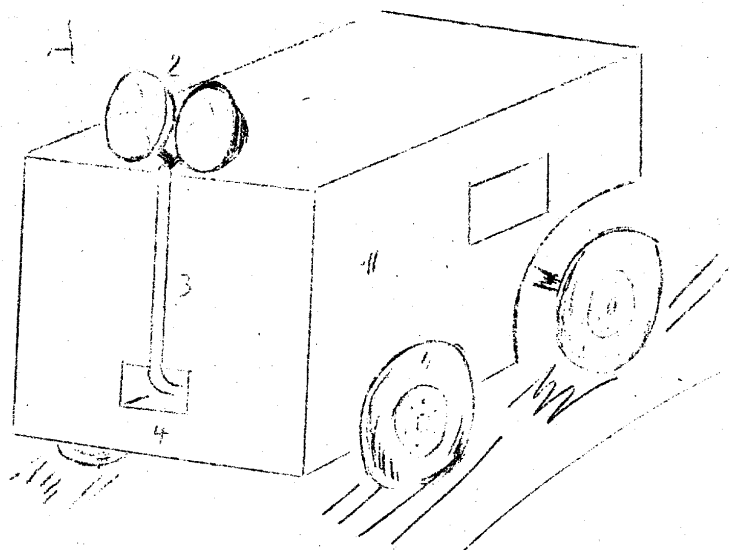
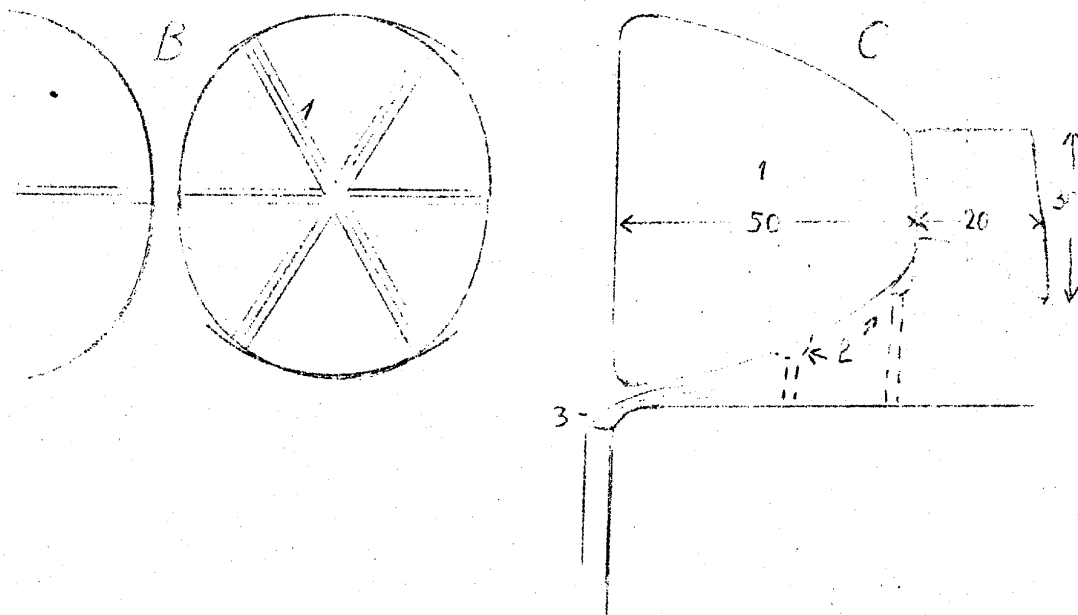
- 1 Motor vehicle trailer with, box-like superstructure, about 4 x 2.4 x 2.5 meters.
- 2 Two Yagi-type antennas fitted at the ends of a cross piece, about 60 m long and 8 cm in diameter; longitudinal pieces, 4 cm in diameter and 3 meters long, each with 6 gray green dipoles 60 to 70 cm long and 2 cm in diameter; antenna is about 6.5 meters over the ground.
- 3 Three-legged trestle, 3 to 4 meters high, legs of U-shaped and T-shaped iron; the trestle is reinforced by a plate on top.
- 4 Tube 4 cm in diameter .

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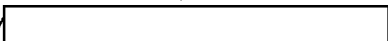
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Laser Set with 2 Parabolic Reflectors Observed
in an Artillery Gun Emplacement in Nordberg



For legend, see next page.



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Radar Set with 2 Parabolic Reflectors Observed in an AA gun Emplacement
in Magdeburg.

Legend:

A General view

- a Motor vehicle trailer with box-like superstructure, 3 x 2.4 x 2.5 meters.
- 2 Parabolic reflectors, about 4 cm apart.
- 3 Tube with several cables leading to the reflectors.
- 4 Aperture, about 30 x 20 cm.

B Front in view of reflectors

Each reflector about 60 cm high and 50 cm wide.

The reflectors are reinforced by 6 ribs or T shaped irons, about 20 cm high.

C Side view of reflector

- 1 Reflector with attachment looking like a rudder
- 2 Hinge
- 3 Tube with cables

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