

CLASSIFICATION ^{SECRET} SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT NO.

CD NO

DATE DISTR. 23 March 1953

NO. OF PAGES 1

NO. OF ENCLS.

SUPPLEMENT TO REPORT NO.

COUNTRY East Germany

SUBJECT Construction of Luggers Transmitters by the RFT Funkwerk Koepenick

PLACE ACQUIRED 25X1C DATE OF INFO.

[Redacted box]

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SOURCE

[Redacted box]

1. The lugger transmitter, built by the RFT Funkwerk Koepenick, was used in a trial run from Rostock as far as to the polar sea during the period 1 to 28 October 1952. The transmitter was developed by Engineer Richter (fnu) with Engineers Grimm and Retz participating in the trial. The allwave receiving set was used during the test which proved very satisfactory. Radio communication was possible from the lugger to the funkwerk, on a frequency of 4 megacycles on a 24-hour schedule.
2. An improved model of the lugger transmitter was completed by the Abteilung Schiffsfunk (Ship Radio Department) in December 1952. The wiring was slightly changed in the second model and the design considerably improved by the use of three mechanically coupled revolving coils (mechanisch gekoppelte Spulenrevolver) resulting in an extremely accurate frequency adjustment.
3. The improved transmitter was also used as control stage (Steuerstufe) for the KN 3 transmitter which was equipped in the terminal stage (Endstufe) with a 782 Telefunken tube. With respect to the power supply, a capacity of only 3 kw was provided though a capacity of 6 kw, at 24 megacycles, was achieved in preliminary tests with the KN 3 transmitter.

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1. [Redacted] Comment: Possibly Dr. Wilhelm Grimm, Dipl. Ing., head of the [Redacted] (commercial radio) department at RFT Funkwerk, Koepenick. [Redacted]

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