

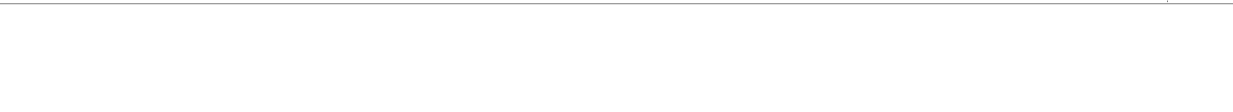
**INFORMATION REPORT**

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COUNTRY	<b>East Germany</b>	REPORT	[Redacted]	25X1
SUBJECT	<b>Collm Television Relay Station</b>	DATE DISTR.	<b>15 August 1955</b>	
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DATE OF INFO.	[Redacted]	REQUIREMENT NO.	<b>RD</b>	25X1
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1. The Collm television relay station is subordinate to the East German Postal Service. Radio Office (Funkamt) Leipzig is in charge of the administration of this station which is part of the Berlin-Stuelpe-Collm-Leipzig-Dresden link. Television programs are relayed from the station located on the Collmberg to Leipzig and Dresden.
2. The electronic equipment of the station is located in a barracks building, especially built for this purpose. Next to it is a small building, housing Diesel generator equipment. The original plan to construct a stone building with a tower for the antennas could not be carried out because of lack of water on the Collmberg.
3. A three-legged mast of angle iron with a platform on which the antennas are fastened serves as supporter for the parabolic reflector.
4. The following television equipment is located on the Collmberg: one decimeter video receiver with two video transmitters and one spare transmitter. Television programs are relayed through an antenna coupler (Antennenweiche) with a transmitter in two directions, namely to Leipzig and to Dresden. The picture transmission equipment, which has the designation RVG 904B (Richtverbindungsgeraet), was manufactured by VEB Sachsenwerk Radeberg. The decimeter video transmitter operates on a frequency of 1,570 megacycles. The maximum frequency power output is 12 watts; the average output is 4 to 5 watts with a band width (Bandbreite) of 20 megacycles. Intermediate frequency (Zwischenfrequenz) is 60 megacycles. The decimeter tubes (LD 9 and LD II) are air-cooled. An oscillograph is connected to the output of the transmitter to monitor the outgoing picture. A receiver with an 18 x 22 cm television tube (Bildroehre) and an oscillograph monitor the incoming picture.
5. The following television audio equipment is at the disposition of the station: Two decimeter audio receivers, one spare audio receiver and four decimeter audio transmitters (two for Dresden and two for Leipzig). The station also has the necessary measuring devices for the maintenance of the audio equipment. The sound transmitters have a frequency range of

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(Note: Washington distribution indicated by "X"; Field distribution by "#")

from 1.5 to 3 watts. Intermediate frequency is 3 megacycles. The transmission level (Pegel) is supposedly near 1.55 volt effective. The sound equipment has low frequency (MF) modulation. The MF part of the television receiver "Leningrad" controls the sound. The sound transmitter is also used for relaying to Dresden in case of disturbances of the audio link. It is not necessary to use the television receiver for relaying the sound to Leipzig because the sound is transmitted to that city additionally by cable. Up to now, however, the audio equipment (RVG 905) did not function properly. Its operational reliability leaves very much to be desired because of heavy level fluctuations, of variation of field intensity, of power motor failures and of heavy wear on tubes. It is planned to replace RVG 905 with a newer type of equipment.

6. Decimeter station (RVG 903)

- a. This station, for the wireless transmission of long-distance telephone calls, is housed in a stone tower (Albert Turm) located near the television barracks building. Honeycomb antennas (Waben-Antennen) are attached to the platform of the Albert Turm. There is also a weather reporting station in the tower.
- b. There are three complete sets of RVG 903 equipment in this station. The first set is for transmissions to Mueggelberge, the second for transmissions to Radebual and the third is a spare set. Each set contains four units (Einschuebe): a power supply, a transmitter, a receiver and a control part.
- c. The station covers the decimeter link Radebual (near Dresden) - Oschatz (Colln)-Stuelpe-Mueggelberge. It is possible to transmit 24 separate conversations (24 channels) simultaneously. There is also a special service channel which enables the different stations to communicate with each other. In addition, there is a closed circuit (Ringleitung) which makes it possible for all television relay stations of this link to communicate with each other.

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