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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

25X1 [redacted]

COUNTRY Germany (Soviet Zone)

SUBJECT HF-Werk Production of Electrical Measuring Apparatus

[redacted] 25X1

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25X1 THIS IS **UNEVALUATED** INFORMATION

[redacted]

1. In the HF-Werk at Berlin-Oberschöneweide, the [illegible] division is occupied mainly in manufacturing electrical measuring apparatus and machines for making measuring apparatus. Machinery and apparatus as listed below were produced in the last quarter year:

   a. An eight-stage measuring amplifier with a 5 microvolt intake and a precision of 0.1 percent was delivered to the Soviet Union; three more followed at the end of September.

   b. A works in Moscow received two apparatus in August and five in September for determining temperature coefficients for condensers. Specifications were for a capacity of 10 picofarads to 10 microfarads, calibrated to 4,000 places. This was accomplished by constructing a tubular furnace with different heat stages. The condensers were passed through the furnace on a small conveyor band. The synchronization was done by means of an automatic bridge. Fifteen complete apparatus of this kind have been delivered in 1953, together with 86 automatic resistance bridges.

   c. Seven thermo-transformers were delivered to the Soviet Union in September 1953.

   d. Six grinding machines for conical bearings were manufactured, of which five were sent to the Soviet Union and one retained in the plant.

   All of the foregoing equipment for the Soviet Union represented reparations deliveries.

2. At the present time there is an apparatus under development for the Soviet Union consisting of a measuring amplifier with a range from 1 to 5,000 Hertz, working on linear frequency. Another linear frequency amplifier with a range from 1 to 500 kilocycles/second (kHz) goes into production in the middle of October.

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