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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

CD NO.

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COUNTRY East Germany

DATE DISTR. 31 August 1955

SUBJECT VEB Kondensatorenwerk Gera: Development of a New Roller Condenser

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SUPPLEMENT TO REPORT NO. 25X1



THIS IS UNEVALUATED INFORMATION



1. In late April 1955, VEB Kondensatorenwerk Gera completed the development of a new type roller condenser (Rollkondensator). This development was supervised by Dr. Schulz (fnu).

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2. Roller condensers so far produced in East Germany had an outer shell (Huelle) of glass or hard paper. They were heat resistant in the relatively small range of 0° C. to -60° C.. The new type developed by the Gera enterprise does not use glass or hard paper. The device instead makes use of Duroplast, a synthetic material with a polystyrol base. The new type is heat resistant in the range from -40° C. to 100° C.. Its loss factor is ten times ten power minus three at 800 Hz and 20° Centigrades. The capacity tolerance is plus/minus ten percent. Its contacts are stable at voltages less than one milli-V. The weight of the new type condenser is only ten percent of the weight of the old type condenser, in which glass or hard paper were used.

3. In May 1955, the Gera enterprise forwarded a number of laboratory models of the new type condenser to the Central Laboratory for Telecommunications Technology for testing. If the tests prove satisfactory, the Gera enterprise will start production of the new condenser in the third quarter of 1955.



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