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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [redacted]

INFORMATION REPORT

CD NO.

INTELLOFAX

COUNTRY Germany (Soviet Zone)

DATE DISTR. 11 October 1949

SUBJECT Production at the Kabelwerk Oberspree

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SUPPLEMENT TO REPORT NO.

25X1C

[redacted]

The following has been reported concerning activities at the Kabelwerk Oberspree.

1. Lead electrolysis formerly carried out at the Kabelwerk has been transferred to the Akkumulatorenfabrik (formerly the AFA).

2. The Russian Chief Engineer Kruglyi left on 10 June 1949 for the Crimea. He has been replaced by Chief Engineer Poluschkin Konstantin Mitrofanowisch. Professor Dahl, who is still sick, will soon return to his post.

3. A new type of cable, called the Karotta cable, is being produced. It is used for measuring in boring holes.
Construction: 3 strands made of steel wire with copper; each strand is insulated with very strong rubber, all three strands covered by synthetic material. Diameter about 10 mm. The cable has a high tensile strength. About 10,000 meters are made per month.

4. Coaxial cable (sample is attached) of the following specifications has been developed: Copper strand 2.6 mm Ø; soapstone rings 11 mm Ø with 2.7 mm bore; spacing of the rings 25 mm; casing made of purest aluminum 99.99%, bore 11 mm, Ø 13.4 mm; on top of the aluminum casing there are two layers of paper and two iron layers of stripping each 0.2 mm; these are covered by two to four layers of impregnated paper or jute. Electric factors: ripple of 10% at 50 kHz to 4 MHz; characteristic resistance 70 Ohm, ± 5 Ohm; capacity 50 pF/m; tension reduction 0.285 Neper each at 1 MHz; test voltage 1800 volt for three minutes; bending radius about 800 mm.

5. From four to seven such cables are combined into one unit. They are bound together by means of iron bands and impregnated jute. The cable is amazingly light. Up to the present only 125 m lengths have been ordered, as the tube extruding press does not permit a greater length. Lengths of 275 m are planned. Those pieces which have been made so far have been sent to Russia for experiments. Preparations have been made to start production.

6. This sample is sent for your retention.

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Sample of Coaxial Cable.

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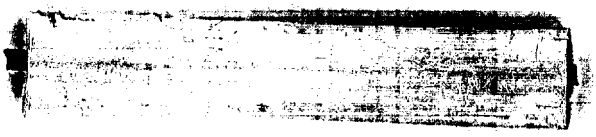

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