CENTRAL INTELLIGENCE AGENCY REPORT

INFORMATION REPORT

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THIS IS UNEVALUATED INFORMATION

1. In late 1952, by orders of the Physics Department of the Central Board for Research and Technology of the State Planning Commission, a Central Office for Measuring Techniques headed by Dipl. Ing. Kutsche (fnu), had been established at Funkwerk Dresden in late 1952. Kutsche was a noted expert who had worked with AEG, and was fully qualified for his tasks. In late 1952, he had a working staff of five to six graduate engineers and about 20 engineers. He closely cooperated with VVB RFT, especially Bless (fnu), head of the development department, and Sintram (fnu), specialist for measuring techniques.

2. Projects being worked on at the Central Office for Measuring Techniques included an electronic computer, a harbor security device, a metal searching set, and an hydrophone.

3. The electronic computer has been under development since early 1951. In October 1952, a prototype set was completed, with scales mounted on 10 different switchboards. The set was able to execute integral and differential calculus. The development work was aimed at obtaining a set suitable for higher mathematics calculations.

4. The harbor security device was a radar set, operating with wave lengths of 10 to 15 cm, which was tested near Rostock. It was equipped with magnetrons produced during the war. Werk HF had been ordered to copy the required magnetrons which, were scheduled to operate on wave lengths not shorter then those of the old magnetron, since no expansion of the range was expected from longer waves. The aerials of the set were designed as horn radiators. The determination of the horizontal characteristics, which were tested by means of a lugger, showed a focusing of 5 to 6 degrees; the vertical characteristics were to be determined by tests with aircraft. In early 1952, five sets had allegedly been ordered.

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5. The metal searching set was said to have been developed in order to search for valuable metal hidden in a Berlin villa estate. This metal could not be found with the help of the Soviet mine detectors. Kutsche was ordered by the State Planning Commission and VVB RFT to developp a metal detector sensitive enough to indicate 0.6 kg of metal at a depth of two meters. The set, which had been developed on the basis of known models, had a detuned

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oscillating circuit. In late 1952, an experimental series was, allegedly, produced.

6. A prototype of the hydrophone, which had been developed on the basis of a set used by the German Navy, was said to have been completed in October 1952, and to have been subsequently tested in Rostock. The development work was being continued.

7. In May 1953, [redacted] a harbor radar was being developed at RFT Funkwerk Dresden. While the keying stage was completed in November 1952, the impulse central and the indicator unit were under construction in 1953. 50X1-HUM

1. [redacted] Comment. The right spelling of the name is believed to be Kutzsche (fnu). A previous report mentioned one Gutschke (fnu) as technical manager of FW Dresden.

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