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CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

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VEB Carl Zeiss Jena

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THIS IS UNEVALUATED INFORMATION 25X1

1. [redacted] 25X1  
being used at the Cell Laboratory (Z-Lab) of the [redacted] Plant in Jena. Dr Kross (fnu) [redacted] After several [redacted] went to Boston and [redacted] this field had [redacted] Schmidt (fnu) and [redacted] the only person at Z-Lab who actually had some knowledge in this field. Hauenstein had come from the Dresden Zeiss-Ikon Plant. Dr Bittner (fnu) was expert for germinating KRS-5 crystals. Karl Prinz who had worked in the development of heat measuring instruments for the Navy during the war was in charge of the electric units of radiation receivers.

2. In November 1954, the KRS-5 crystals produced at Z-Lab had a maximum permeability of  $4\mu$ . Infrared sensitive cells produced by the Zeiss Plant of lead sulphide or selenium lead had a maximum sensitivity of  $5\mu$  when cooled down to  $80^{\circ}$  below zero centigrade by means of carbon dioxide snow and a sensitivity of only  $2.8\mu$  without cooling. There were also cadmium sulphide crystals produced for visible light. [redacted] 25X1

[redacted]  
The institute of Professor Eder (fnu) at the Humboldt University in East Berlin was constructing a cooling plant for low temperatures to work with liquid hydrogen. The room for this unit on 4 Hessische Strasse had been completed in April. UNCODED

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3. A long time ago Prof. <sup>Paul</sup> [redacted] was given an award for the construction of [redacted] tube. There was only one tube available. [redacted] construction had met with great difficulties. One hundred additional units built after this model were scrapped, because the available glass was not of high enough quality.

4. In July 1954, Prof. <sup>Herbert</sup> [redacted] had a nervous breakdown from which he [redacted]. For this reason, he worked only half day. [redacted] allegedly side-tracked. Dr Konrad Kuehne, [redacted] of the construction of range meters, was [redacted] of an institute of applied optics at the Jena University. It was not known to what extent he will continue to work on development projects at the Zeiss Plant.

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