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## CENTRAL INTELLIGENCE AGENCY

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SECURITY INFORMATION

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## INFORMATION REPORT

REPORT NO. [REDACTED]

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 3 April 1952

SUBJECT Production of Nuclear Research Equipment  
for Use in the USSR and East Germany

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INFO. [REDACTED]

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(LISTED BELOW)PLACE  
ACQUIRED [REDACTED]

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SUPPLEMENT TO  
REPORT NO. [REDACTED]

1. Shortly before the end of the war, the Max-Planck Institute for Biophysics in Frankfurt/Main completed construction of a high-tension installation of the cascade generator type for the generating of radioactive isotopes by means of accelerated particles. Evacuation of this instrument to a salt mine near Stassfurt was ordered by the German Government in 1945. However, the Frankfurt institute returned essential parts of the installation, as well as the construction blueprints. On its way to Stassfurt, the instrument was damaged in an air attack. Later, it fell into Russian hands in this incomplete and damaged condition.
2. Early in 1951, it was reported that Transformatoren-und Roehrenbau VEB (for Koch und Sterzel), Dresden, had repaired the apparatus and that, sometime during this period, it had been packed for shipment to Russia. At this time, Transformatoren-und Roehrenbau is reported to have had a series of four or five installations of this type under construction. One of these was scheduled to be shipped at the disposal of Prof. Dr. W. Friedrich, head of the Deutsche Akademie der Wissenschaften Institut fuer Medizin und Biologie in Berlin-Buch. A second apparatus was destined for use at an unspecified site in Eastern Germany. The others were scheduled to be shipped to Russia.
3. Generally, the instruments are rated at an energy of 3 MeV. They are provided with two tubes, one for X-rays and cathode rays, and one for ions. The output of the ion tube depends on the kind of ion source used; that of the X-ray and cathode ray tubes is 10 milliamperes (3 KW of pure radiation).
4. The instrument rebuilt by Transformatoren-und Roehrenbau, and prepared for shipment to Russia early in 1951, had only the X-ray and cathode ray tube. Source believes that the ion tube was also left out in the entire series under construction at Transformatoren-und Roehrenbau.

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