



CENTRAL INTELLIGENCE AGENCY

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- d. Tungsten, molybdenum, tantalum, chemicals for use in laboratory, and condensers:

Nürnberg Schraubenfabrik GmbH, Nürnberg

E. Merck, Darmstadt

25X1A

J.D. Riedel - E. de Haan AG (Comment: Location of plant not listed by source, probably in Berlin-Britz.)

Siemens, Berlin

2. Further difficulties are occasioned for the Oberspreewerk by the total lack of coordination in industry. A typical example is that encountered in the case of the Leuchstoff GmbH in Steinbach/Thuringia, the only factory of its kind in the Russian Zone, which was scheduled to be dismantled. A group of OSW specialists visited it in order to see what could be salvaged for the continuation of research work and production. Upon their arrival they discovered that everything had been dismantled and that all machines, raw materials, and formulae were already shipped. The leading men had escaped to the west.
3. Dr. Hachenberg has been ordered to try to develop machines and materials suited for the manufacture of image screens (Bildschirme) which are urgently needed for the 6,000 radar apparatuses to be made in the Soviet Union under the direction of Major Wildgrube. The OSW is to manufacture only the necessary oscillographs; production will start in June and 600 oscillographs will be made in that month. Since the plants in Arnstadt have been entirely dismantled, the OSW must first develop the machines necessary for the production of tubes.
4. The American television tube FP 7 has been improved, i.e., the electron lens was enlarged from 6 to 10 mm. Through this enlargement, an improvement of the image was obtained, due to the fact that the spherical error of refraction is inversely proportional to the 3rd power of this diameter. In addition, one aperture-plate was omitted in the plate  $a_1$  (Anode); this has the disadvantage of allowing secondary electrons which are released to get into the field of vision, thereby interfering with the picture, i.e., image. The aperture-plate will be used in the plate  $a_2$ , where the acceleration of released secondary electrons might, perhaps, be stopped, so that these electrons will no longer interfere with the image.

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