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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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SUBJECT Cadmium Sulfide Cells Developed by the Academy
Institute at Berlin-Buch

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THIS IS UNEVALUATED INFORMATION

1. The Academy Institute for Research on the Physics of Solids in Berlin-Buch has developed cadmium sulfide cells for X-ray dosimetric purposes. Such cells have also been developed in the Academy Institute for Medicine and Biology, which is located in the same building as the first-named Institute, but these cells are of inferior quality. The crystal of the cells developed by the Institute for Research on the Physics of Solids is more sensitive than those previously developed, ~~because~~ a better crystal-growing installation available in the Institute for Research on the Physics of Solids. Furthermore, the electrodes of the cell are of gold; the crystal carrier is of glass and has the electrodes melted into it. 25X1
2. The voltage for the operation of the cell is 30V direct voltage. The maximum current is 5mA. The Institute has put out small numbers of these cells. VEB Carl Zeiss, Jena, is to produce them later in greater numbers. 25X1

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