

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. The crystal laboratory at VEB Carl Zeiss Jena has succeeded in drawing a germanium monocrystal through fusion (aus der Schmelze). This was accomplished in close coordination with the Heinrich Hertz Institute for Oscillation Research and the VEB Elektrochemisches Kombinat Bitterfeld, which produce germanium and germanium silicon. Bitterfeld also produces monocrystals. Zeiss is to begin the production of germanium silicon monocrystals this year.
2. The South Works (Suedwerk) of VEB Carl Zeiss Jena manufactures photogrammetric apparatus (Bildmessgeraete); 200 stereoplanigraphs (Stereoplanigraphen), 200 stereocomparators, and 200 stereoautographs (Stereoautographen) were to be manufactured during a two year period for export to other Soviet Bloc nations where there is a great demand for these items. However, only those items for which orders had been received have been produced. Furthermore, the customer countries are complaining that the equipment is obsolete and they have begun to reject part of their orders. Eleven subcontractors for this planned production are included in this program. The equipment was based on the latest pre-war models; new construction is now to be developed. Technical photogrammetric designers and development engineers, and even the best draftswomen, have fled to the West.
3. The Zeiss computing machine OPREMA (Optische Rechenmaschine) is called an "optical" computer because it is used for calculations of optical work, not because it utilizes optical principles in its operation. It is a digital calculator with relays, large in size, and relatively slow in operation.¹

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