

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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S-E-C-R-E-T

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COUNTRY	East Germany	REPORT	
SUBJECT	Production Difficulties of VEB Carl Zeiss Jena Caused by a Shortage of Quartz	DATE DISTR.	20 December 1955 25X1
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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. The embargo on exports of optical and piezoelectrical quartz is causing acute embarrassment in East Germany. Production of many Carl Zeiss instruments which would otherwise be made in Jena is held up. On occasions, the Carl Zeiss firm has been forced to tell customers that they must supply their own quartz if the instruments to be manufactured require quartz lens or prisms. 25X1
2. In an effort to overcome some of its troubles, Carl Zeiss has been carrying out research in the adjacent VEB Jenaer Glaswerk Schott & Genossen for the production of a synthetic quartz. Schott & Genossen has now produced a synthetic which has been named Uviol glass. Uviol is going to be used by Zeiss in some of the instruments and has already made its appearance in some of the barrier layer cells. Zeiss claims that the transmission properties of Uviol closely resemble those of optical quartz, particularly in the infrared band, but that Uviol has a better transmission than quartz in the ultra violet band.
3. In regard to synthetic quartz crystals, Zeiss personnel believe it will be many months before it will show any positive results, even though Zeiss has equipped a new laboratory.
4. The supply situation in regard to piezoelectrical quartz is extremely bad. 25X1
5. Senf, production manager of Carl Zeiss, Jena, in charge of fine mechanical instruments, accompanied by Fromm of the Zeiss Export Department, was recently [redacted] to try to get a visa for himself and Fromm to go to Brazil. Their reason for going to Brazil is to try to buy quartz and find a suitable routing for it to East Germany. 25X1

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