

F 2  
645

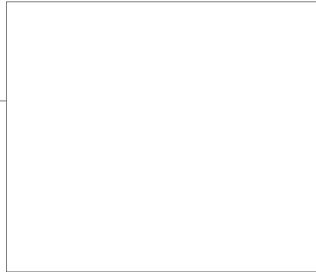
U.S. Officials Only  
**SECRET**

CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

25X1

COUNTRY **Germany (Soviet Zone)**

SUBJECT **Carl Zeiss, Jena**



DATE DISTR **25 JUN 1954**

NO. OF PAGES **2**

NO. OF ENCLS.

SUPP. TO REPORT NO. **25X1**

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS REPORT IS PROHIBITED.

**THIS IS UNEVALUATED INFORMATION**



1. Zeiss Jena is now manufacturing about 100 multipliers per month. The working range of these multipliers comprises the entire spectral region. The operation voltage lies between 1.8 and 2.8 kilovolts. They are eleven 1-stage and adapted for scintillation counters (Scintillationszähler). Comparison with RJA apparatus has shown that the equipment manufactured at Jena is more powerful than the US apparatus. An amplification factor of 10<sup>9</sup> has been attained at Jena. The cathode is of cesium-antimony. The anode is outside. The exterior dimensions are 1.5 times those of the US apparatus.
2. There are no difficulties with the supply of materials for the manufacture of multipliers at Zeiss Jena.
3. The head of the semi-conductor division at the Zeiss Jena works is Professor Görlich and his first assistant is Dr. Krey. Both were in the Soviet Union after 1945 and carried out research work on semi-conductors in the optical works at Kiev, which were modeled on the Zeiss works.   
The Soviet research work is on an equal level with that at Jena.   
The equipment at Kiev is of German make. Production of multipliers at Kiev began in August 1953 and in September 1953 production had already reached about 3,000 pieces.
4. The VEB Optik will build a branch plant of the Zeiss works at Saalfeld, Thuringia, for which 24 million marks have been made available. The plant will manufacture chiefly electronic-optical equipment.

-end-

for the use within the USA of the Intelligence components of the Departments or Agencies indicated above. It is not to be transmitted overseas in accordance with the originating office through the Assistant Director of the Office of Collection and Dissemination, CIA. All or parts of the contents, be used by the above organizations in Intelligence publications receiving overseas distribution providing the publication does not contain U.S. OFFICIALS information, if made, refers only to "CIA Source".

U.S. Officials Only  
**SECRET**

DISTRIBUTION	STATE	ARMY	NAVY	AIR	FBI	AE/SI	X	SCIA	X
--------------	-------	------	------	-----	-----	-------	---	------	---

25X1

**Page Denied**