

INTELEFRAX 8

66 12546

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY 25X1A  
SECURITY INFORMATION  
CENTRAL INTELLIGENCE AGENCY REPORT NO. [REDACTED]

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 4 Dec. 1951

SUBJECT Development of an Infrared Speech Transmission Apparatus

NO. OF PAGES 1

PLACE ACQUIRED 25X1A [REDACTED]

REFERENCE COPY

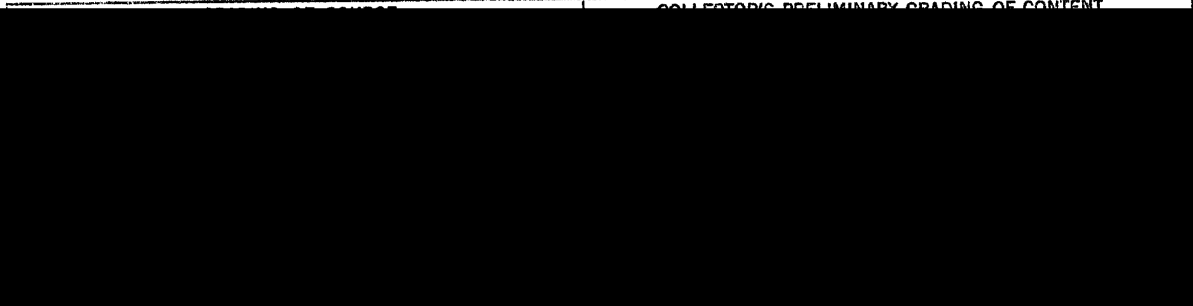
NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO. 25X1C [REDACTED]

DO NOT CIRCULATE

SUPPLEMENT TO REPORT NO. 25X1X

COLLECTOR'S PRELIMINARY GRADING OF CONTENT



1. Zeiss-Jena has started the production of a communications instrument called a Lichtsprechgerät. The instrument operates as follows: The sound is transmitted through a microphone to a selenium cell which converts the sound to short waves (presumably infrared). These light waves are projected through a lens system to a receiver where the light waves are received in a selenium cell and reconverted to sound. This equipment can be used as either transmitter or receiver. It is a light portable field apparatus and intended chiefly for the use of infantry. It is mounted on a tripod and is powered by a dry battery.
2. The instrument resembles a small searchlight with an approximate diameter of 30 cm and an approximate length of 25 cm. The maximum range is approximately 500 - 700 meters. An ordinary telescope is fitted on the upper right hand side of the apparatus and is used for lining up one station with the other. The apparatus can be tuned to the wave length of the other transmitter or receiver.
3. The location of and the details concerning the firm producing the selenium cells is not known.

25X1A 25X1C

Comment: [REDACTED] that Filmfabrik Wolfen would be the logical producer.

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	NAVY	X	NSRB		DISTRIBUTION					
ARMY	X AIR	X	FBI		OSI/Elec.	EV				

M