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CENTRAL INTELLIGENCE AGENCY

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SECURITY INFORMATION

INFORMATION REPORT

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COUNTRY USSR (Ukrainian SSR)

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SUBJECT Activities and Production at Arsenal No 1, Kiev  
25X1

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PLACE ACQUIRED [redacted]

NO. OF ENCLS. (LISTED BELOW)  
SUPPLEMENT TO REPORT NO. 25X1

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THIS IS UNEVALUATED INFORMATION 25X1

[redacted]

1. Most of the dismantled Zeiss, Jena, equipment (93% of it) was transferred to three cities in the USSR--Moscow, Leningrad, and Kiev. [redacted] 25X1

[redacted] The complete Geodetic Instruments Department and Contax Camera Section were transferred to Kiev. [redacted] the equipment for the production of microscopes, micrometers, and fine measuring devices was sent to Leningrad, while equipment for range finders was sent to Moscow. 25X1

[redacted]

2. [redacted] 25X1

adjustment of instruments in the Geodetic Instruments Department. Final adjusting (calibration) of the instruments consisted of the

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| STATE | # | x | NAVY | # | x | NSRB |  |  |  |  |  |  |  |  |  |  |  |  |  |
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alignment of the optical axis of the telescope to the mechanical axis of the mount. The theodolite was graduated in grads (400 grads to a complete circle), minutes (100 minutes per grad), and seconds (100 seconds per minute). This was utilized for both horizontal and vertical angle measurements.

- 25X1 3. [redacted]  
 25X1 [redacted] Geodetic Instruments Department at Arsenal No 1. The Soviet  
 25X1 apprentices assigned to work [redacted] received on-the-job training 25X1  
 25X1 which [redacted] was too abbreviated to provide them with ade-  
 25X1 quate experience. As soon as the Soviet supervisors thought the  
 25X1 apprentices were ready for practical work, they were taken out of  
 25X1 the department and [redacted] were reassigned to work in actual 25X1  
 25X1 production. None of the Soviet apprentices remained [redacted] longer  
 25X1 than three months. In the beginning, two Soviet apprentices were  
 25X1 assigned to work with each of the six German specialists; later  
 25X1 on [redacted] as many as 50 Soviet trainees. Fraternization  
 with these Soviets was prohibited and conversation other than that  
 concerning the work was forbidden.
- 25X1 4. [redacted] there were never any shortages of supplies or  
 25X1 equipment. However [redacted] fine sheet metals were difficult  
 to obtain and their use was closely supervised. Metals such as  
 brass, aluminum alloy, and steel were used in the production of  
 geodetic instruments at Arsenal No 1. The metal most generally  
 used was brass.
5. Regarding methods of production, [redacted] the sole 25X1  
 interest of the Soviets was in copying [redacted] 25X1  
 [redacted] 25X1  
 other than the redesign of the theodolite (to the Zeiss design),  
 no new design or construction was undertaken at the Arsenal [redacted] 25X1  
 25X1 [redacted] Two German specialists, Doering and Dr. Schorsch, may  
 have been consulted in some design work. Dr. Schorsch, who had  
 done calculation work on lenses at Zeiss, Jena, had been sent to  
 Leningrad in 1946 and then transferred to Kiev in 1948. Schorsch  
 apparently incurred the disfavor of the Soviet administration of the plant; his  
 salary was cut for a reason unknown [redacted] 25X1

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