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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

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COUNTRY Germany (Russian Zone)

DATE DISTR. 9 June 1952

SUBJECT Shortages and Bottlenecks Affecting Production of Aerial Training Device A-1 at Zeiss-Jena

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SUPPLEMENT TO REPORT NO.

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1. The following information concerning various raw material shortages and bottlenecks at Zeiss-Jena was extracted from a letter from Zeiss-Jena to DIA Feirmechanik-Optik, dated 28 February 1952, regarding the current Soviet order for 75 A-1 devices, Export Order Number EO 9224/12 E-51 of 8 December 1951: **

- a. Agfa-Wolfe will deliver needed "Reilit" projection screens only if Zeiss-Jena furnishes the four or five tons of methylene chloride necessary to manufacture the screens. DIA is requested to procure the methylene chloride.
- b. An adhesive substance is required to stick rubber to metal. Formerly, "Terokal", a product of the Terakon* firm in Heidelberg, was used. Zeiss is now trying to arrange for production of a similar adhesive in the DDR.
- c. There has been difficulty in procuring steel pipe of the following dimensions:

- 32 x 6/155 kg.
- 25 x 3/260 kg.
- 25 x 2.5/50 kg.
- 30 x 2/150 kg.

Dia may be asked to help obtain the pipe .

- d. Asbestos sheeting of the following specifications is needed:

- 0.25 kg. with a thickness of 0.2 mm.
- 0.1 kg. with a thickness of 0.5 mm.

If current attempts to find a substitute material should prove fruitless, DIA will be asked to import the sheets.

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- e. Eight kilograms of 3 x 0.35 mm. spring band steel are needed. If Zeiss is unable to find a firm willing to satisfy this need, DIA will be asked to help.
- f. Zeiss requires 70 kilograms of machine tool steel P, 5 mm. in diameter. This steel is used in the student's seat in the device. DIA may be asked to help.
- g. Zeiss is no longer able to obtain "Sakneison", which was formerly supplied by Ernst Bollmann "Elektro- und Radio-Grossvertrieb, Dresden"***. DIA may have to aid Zeiss here also.
- h. Light thousand ball bearings are required for A-1 devices. It has been especially difficult to procure high accuracy ball bearings RL4 and RL6 and oblique bearings (Schraeglager) G205 DEN 621.
- i. At present, 100 throat microphones are needed. If attempts to obtain them are not successful, DIA may be called upon to import the microphones.
- j. The wire potentiometers used in the A-1 device were formerly obtained from Rosenthal-Porzellan AG, Selb,**** and the Moebes firm in Berlin, both Western firms. The RFT Braulow-GmbH, Teltow, is now attempting to produce the necessary potentiometers. The West Berlin government has refused to permit export of these instruments from West Germany.
- k. Toggle switches, which were formerly obtained from the J. & J. Hargardt firm, Miethof in the Schwarzwald, are to be produced now by the RFT "Elektroinstallation, Herr H. Jendershausen (formerly Brunnenfeld Fabrik fuer elektro-technische Installationsarbeiten).
- l. The RFT Kondensatorenwerk, Gera, is supposed to supply Zeiss with 500 condensers 2 MF/700 volts (type B, according to DIN-41 143). Supplies of 7 mu aluminum foil are at present arriving on schedule, but a stoppage of deliveries of the foil would necessitate DIA assistance.

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3. On 24 March 1952, Zeiss officials discussed with (fmu) Kochilin and (fmu) Paftyan, of the Soviet Trade Delegation in Berlin, the Soviet request for 200 copies of the Zeiss manual on the A-1. Zeiss is reluctant to accept the order because of the bulk of the books. The manual consists of the following four parts:

- a. technical description of the device
- b. instructions for repair
- c. testing journal
- d. photographs and sketches of the device

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for other information on the order for 19 A-1 devices.

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*** [REDACTED] Comment: Listed in 1950 Dresden telephone directory as Ernst Bollmann Elektro-Grosshdlg.

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**** [REDACTED] Comment: Listed in 1949 ABC der Deutschen Wirtschaft as Rosenthal-Isolatoren GmbH.

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