

INTELLOFAX 26

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

CENTRAL INTELLIGENCE AGENCY 25X1 REPORT

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 25X1 25 January 1948

SUBJECT Details of Wasserfall Road Train; Personalities at Elektrobau AG

NO. OF PAGES

PLACE ACQUIRED

[Redacted]

25X1  
TURN TO CIA LIBRARY

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

[Redacted]

25X1

SUPPLEMENT TO REPORT NO.

25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT OF U.S.C. 51 AND 52, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

25X1

- As of 12 September 1948 only one Wasserfall road train, consisting of eleven trailers, had been completed. The first trailer was sent to Moscow by rail via Brest-Litovsk in May 1948. The last trailer was completed for dispatch on 20 August 1948.
- Because of the lower height clearance on the Polish railroad system, Reichsbahn flat cars could not be used for this purpose (when loaded on Reichsbahn flat cars, the trailers stood 25 cm higher than the permitted clearance), and Polish flat cars, with the load-carrying surface sunk between the bogies, were obtained with some difficulty.
- The eleven trailers, originally designed by the firm of Schumann as circus trailers, are identical in outward appearance, and are painted dark green with white roofs. Their official designation is "C10".
- The trailers contain the following apparatus:

Trailer No. I - Saloon and telephone exchange, radio and record player.  
 Trailer No. II) - Individual test apparatus for the following pieces of missile- and III) borne control gear:

Gyro	Designation	1.04
Rudder servos	"	1.09
Relay plate	"	1.08
Mixer	"	1.07
Course-giving motor	"	1.03

Trailer No. IV - Frame of Wasserfall control compartment (1.00) (manufacture at the Elektrobau AG) fitted with the following missile-borne components:

Course-giving motor	Designation	1.03
Gyro	"	1.04
Main distributor	"	1.05

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	NAVY	<input checked="" type="checkbox"/>	NSRB		DISTRIBUTION															
ARMY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI																

EE/USSR

## CENTRAL INTELLIGENCE AGENCY

- 2 -

Time switch	Designation	1.06
Mixer	"	1.07
Relay plate	"	1.08
Rudder servo motor	"	1.09
Rudder position potentiometer	"	1.10
Accumulator	"	1.11
Motor generator	"	1.12
Governor for above	"	1.13
Interconnector for ground test	"	1.14
Wiring harness	"	1.15
Dry battery	"	1.18

Large assembly of voltmeters and ammeters in chest for testing circuits of the above-mentioned apparatus.

[ ] Note: These components were supplied by Technical Büro II. Their finish suggested that their function was purely instructional.)

Trailer No. V - Electrical laboratory equipped with standard (unspecialized) measuring instruments.

Trailer No. VI - This trailer was supplied without apparatus, but with suitable electrical connections for the planned contents, which were to be fitted by Technical Büro II. According to a list supplied by Elektrobau AG to enable them to fit appropriate wiring, the planned contents were:

Receiver "Strassburg"  
 Transmitter "Kehl"  
 Electrical Knäppel "Pol" (NOT Polar Knäppel)  
 Supply unit "Bodo"

Trailer No. VII - Electrical supply. Two generators (main and stand-by for 50 KW and 15 KW) were supplied separately by the Elektrobau AG, for use with the switching and distribution equipment installed in this trailer. Provision was made for power at:

AC	380 V	50 cycles
AC	220 V	50 cycles
AC	36 V	500 cycles
DC	27 V	

Trailer No. VIII - Manometric Laboratory. This trailer contains apparatus for testing the frangible membrane valves in the fuel supply system. The membranes (specimens of which were available in the Elektrobau AG) were for fitting in pipes of 75 mm and 35 mm diameter. Twenty-five manometers are carried, ten of which read to 400 atm. There are also recording manometers reading to 40 and 400 atm., and pumps for testing the manometers. A crude U-tube test apparatus, designed by the Soviet engineer Pallkin at Sondershausen and manufactured there, is also included.

Trailer No. IX - Workshop. Equipment includes:

3 lathes  
 1 milling machine  
 3 vises  
 1 drill  
 1 grinder

SECRET / CONTROL - U.S. OFFICIALS ONLY

SECRET/CONTROL - U.S. OFFICIALS ONLY

25X1

## CENTRAL INTELLIGENCE AGENCY

- 2 -

Trailer No. I - Climatic testing laboratory.

- 1 refrigerator (requires 3 cubic meters water per hour; no provision made for water supply)
- 1 vacuum chamber
- 1 humidity chamber
- 1 centrifuge
- 2 vibration tables, "List" and Schenck"

Trailer No. XI- Photographic dark room (unspecialized)

5. A spare set of all apparatus supplied by Elektrobau AG for Trailers II, III, V and VIII was provided and packed.
6. An aerial array believed to be for use with the "Kehl" transmitter was supplied by Technical Büro 11 for painting and varnishing. This aerial was packed for separate dispatch.

25X1

Comments: The above information appears to indicate that the functions of the G-2 convoy are purely instructional, and that instruction in the optical tracking system "Burgund" is contemplated.)

Personalities7. Recent Soviet Visitors to Elektrobau AG

- a. Aralov (civilian), mechanical engineer resident in Moscow, designer of the Wasserfall road train.
- b. Asarch, Lazar (civilian), a photographic expert resident in Moscow, solely interested in the contents of Trailer No. XI.
- c. Kolesnichenko, General, from SMA Thuringia.
- d. Nishayev, Col. Believed non-technical. Apparently interested only in the painting and decoration of the trailers.
- e. Vorobyov, Prof. Stated to be in charge of all Technical Buros in Germany. Resident in Berlin. Did not speak to German staff.

25X1

25X1