

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany/Soviet Bloc	REPORT	
SUBJECT	USSR and Satellite Requests in East Germany in 1954 for Scientific-Technical Cooperation.	DATE DISTR.	28 January 1955 25X1
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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
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- For the Plan Year of 1954, a total of about 1,000 requests for scientific-technical cooperation were made to East Germany by countries of the Soviet Bloc. These requests were passed to and handled by the East German Office for Scientific-Technical Cooperation (Büro fuer Wissenschaftlich-Technische Zusammenarbeit) (WIZ), of the State Planning Commission. The following table, broken down by countries, lists the number of requests which resulted in positive agreements between the countries concerned and East Germany, and the number of those requests which had been fulfilled as of 15 November 1954. 25X1

Requests from:	Requests Agreed upon	Requests carried out as of 15 Nov 54.
USSR	132	90
Czechoslovakia	55	41
Poland	40	28
Hungary	20	16
China	25	22
Rumania	15	12
Bulgaria	10	9
Albania	35	4
Tptal	302	230

- The ratio between the total of requests and the approved requests is, as can be seen from the above table, about 30%. This is a considerably better ratio than the corresponding one for the 1954 requests by East Germany to foreign countries. The ratio between

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- requests agreed upon and requests from foreign countries fulfilled in 1954, as indicated by the above table, is about 76%. The corresponding ratio for 1954 East German requests to foreign countries is about 67%. In relation to the total of requests made, the fulfilled foreign requests represent about 23% of the total, whereas only about 9.5% of all East German requests to foreign countries were fulfilled.
3. Considering these figures, it must be borne in mind that a certain number of requests agreed upon but not yet carried out would be fulfilled in the interval between 15 November 1954 and the end of the year. Most of the requests from foreign countries which did not lead to positive agreements in the WIZ conferences with the countries involved, concerned technical developments either not in existence at all or in a stage so little advanced that the requests could not be carried out.
 4. The total of Soviet requests to East Germany in 1954 was about 500, i.e. about 50% of all 1954 foreign requests. A considerable number of these pertained to developments which were started by the Soviet scientific-technical bureaus in East Germany when under SAG administration. They mainly dealt with the development of combustion motors, measurement devices, steering devices for high speed cars, etc. Other requests concerned chemical developments; among these were a number of requests pertaining to the development of synthetic fibers and their use, mainly Perlon and Wolcrylon. In the field of chemistry there were also requests concerning the chemical procedures for the preparation of pure metals through reduction. Another group of Soviet requests concerned the development of special machinery. The total of the 132 approved 1954 requests of the USSR break down as follows:
 - a. Machine construction: about 50 requests. They mainly concerned machine tools, heavy machines such as big hydraulic presses, and optical devices.
 - b. Chemistry: about 40 requests. They mainly concerned synthetic fibers, production of glass from wood, and chemicals.
 - c. Light industry: about 15 requests. They mainly dealt with textile and polygraphic machines.
 - d. Food industry: about 10 requests. They mainly concerned slaughterhouse and cold storage equipment.
 - e. Most of the remaining requests pertained to the radio and telecommunications industry and the postal services. As an instance, one request asked for all documentary material pertaining to the East Berlin pneumatic postal service.
 5. Among the requests dealing with synthetic fibers, was one asking for all data on and sample models of Perlon nets with threads 1.5 millimeters thick and meshes of 2.25 square centimeters. Among the requests for special machinery were the following:
 - a. All technical material pertaining to multiple-purpose, light-weight dredge tractors (Zwei-Seilgreifer).¹ These machines are dredges with tread which can be used for digging earth as well as for loading, i.e. they can be used in dredges or cranes. WIZ took up the matter with the ABUS firm in Koethen and found that this enterprise produced only vier-

Seilgreifer.² It was then found that the AEUS firm in Nordhausen produced Zwei-Seilgreifer with various piston displacements of the kind wanted by the USSR. WIZ ordered the Nordhausen firm to transmit all blueprints and other documentary material pertaining to the construction of the machines to WIZ by 20 November 1954, on which date the material was to be forwarded to the Soviet Trade Delegation in East Berlin.

b. All technical material pertaining to a combination sedan-truck of the station wagon type developed by the firm Horch, in Zwickau. This firm has developed two low-priced, high-speed types of this car with a maximum speed of 160 kilometers, one with a body of sheet metal and the other with a body of pressed synthetic material⁵. The two types were not yet in production as of 15 November 1954 and only a few development models had been completed. The WIZ obtained photographs of the cars from the mentioned firm three days after the Soviet request was approved and procured all pertinent documentary material some time later for transmittal to the Soviet Trade Delegation in East Berlin.

6. Among the Soviet requests were a number of Entsendung requests, i.e. visits of Russian technicians to East Germany for the purpose of obtaining scientific-technical information. For example, the three-week visit in October 1954 of Prof. Ryabov (fnu), of the Soviet Academy of Sciences may be cited. As a WIZ guest he visited VEB Walter Ulbricht in Leuna and VEB Elektro-Chemisches Kombinat in Bitterfeld. Another case of a Russian WIZ visitor was Eng. Zupnikov (fnu) who visited East Germany for three months, ending in early October 1954. He inspected three ~~at Zwickau and~~ obtained documentary material pertaining to them. Among other recent foreign WIZ visitors were two unidentified Chinese scientists accompanied by two Chinese officials who visited machine tool factories in Leipzig, Goerlitz and East Berlin for a period of two weeks in early October 1954.

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- Comments. 1. Twin-cable grab
2. Four-cable grab

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