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DISPATCH		CLASSIFICATION S E C R E T	DISPATCH SYMBOL AND NO. EGOA 8589
TO INFO	Chief of Base, Munich EE		HEADQUARTERS FILE NO. E J
FROM	Chief of Station, Germany		DATE 23 February 1960
SUBJECT	Operational/CALL/ []		RE "43-5" - (CHECK "X" ONE)
	Report of Meeting with Helmut Von Zborowski		<input checked="" type="checkbox"/> MARKED FOR INDEXING
			<input type="checkbox"/> NO INDEXING REQUIRED
ACTION REQUIRED	For your information		INDEXING CAN BE JUDGED BY QUALIFIED HQ. DESK ONLY
REFERENCES:			
EGOS 2395, dated 8 May 1959 (not sent MOB) <i>nr. EE/6</i>			
<p>1. Enclosed for your information is Memorandum for the Record on Subject meeting. Lead to Subject was provided by reference from KUKNOB with a request to investigate information Subject reputed to have on USSR rocket propellants.</p> <p>2. Subject meeting did not reveal that Subject has access to any USSR information of interest. On the other hand, we are forwarding the details of his research and development projects to the proper U.S. R & D organization. A separate dispatch will be sent to KUKNOB in specific answer to reference.</p> <p>3. We have no present plans to contact Subject in the future.</p>			
<i>for</i> [] []			
Enclosure: Memorandum for the Record, herewith			
Distribution:			
2 - MOB w/enc.			
2 - EE w/enc. (1 - 32E-6-20 w/enc.)			
DECLASSIFIED AND RELEASED BY CENTRAL INTELLIGENCE AGENCY SOURCES METHOD EXEMPTION 3B2B NAZI WAR CRIMES DISCLOSURE ACT DATE 2005			
CS COPY [] []			
FORM 10-57 53b (40)	USE PREVIOUS EDITION. REPLACES FORMS 51-28, 51-28A AND 51-28 WHICH ARE OBSOLETE.	CLASSIFICATION S E C R E T	PAGE NO. <input type="checkbox"/> CONTINUED 1 of 1

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ENCLOSURE TO EGOA 8589
DATED: 15 February 1960

MEMORANDUM FOR THE RECORD

SUBJECT: *VON ZBOROWSKI, Helmut Dipl. Ing. (DOB: 21 August 1905; POB: Theresienstadt/Les Moritz, Austria (CSR); German National; Technical Director at BMW TRIEBWERKBAU GMBH, Muenchen-Allach, and General Manager of S. A. BUREAU TECHNIQUE ZBOROWSKI, Brunoy, France)

1. Communications:

a. Subject was contacted by the undersigned by telephone at his office at BMW in Muenchen-Allach, Dachauerstrasse 665 (Telephone 54 11 45) on 18 and 21 January 1960. Subject willingly agreed to a meeting in Munich on 25 January 1960.

b. The undersigned met Subject on 25 January at 1845 in the American Bar of the Hotel Vier Jahreszeiten in Munich. The meeting at the hotel lasted until past midnight, including dinner at the hotel.

c. Subject was approached under the cover of [

] U. S. Army R & D interest in his patents was the given reason for contacting him.

2. Results:

a. Subject's residence address in Munich is Hiltenspergerstrasse 23/IV (Telephone 37 20 57).

b. Since 1 May 1958, Subject holds the position of Technical Director at the BMW Triebwerkbau GMBH in Muenchen-Allach. He stated that he took this position on request by the West German Defense Minister, Strauss (NOTE: Subject held various leading research positions at BMW from 1939 to 1945). Subject's contract with the Directorate of BMW AG permits him to continue at the same time as General Manager of BTZ (see paragraph c below). Subject claims to have successfully negotiated substantial contracts with General Electric for BMW, i.e., an order for production of 1,000 jet power plants in 1959 and he expects an order increase of at least 60 per cent in 1960. Furthermore, Subject claims to have developed a new small jet power plant of highest quality and performance at BMW. In addition, a number of new patents based on his work have been lately obtained by BMW.

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c. Subject is still General Manager of the Societe Anonyme Bureau Technique Zborowski at 1, Avenue D'Orleans, Brunoy (Seine et Oise), near Paris, France, a firm he founded after the war. BTZ is specialized in tactical guided weapons and vertical take-off aircraft. Furthermore, BTZ, based on ten years of experience, is in the position to provide applied research, prototype developments and surveys in the above mentioned and other related technical fields for customers. Subject stated that BTZ had previous contact with American Government Agencies, American and Canadian firms in Paris (American Embassy), Brussels (USAF), and Frankfurt (ERO). In 1956 a research project was done for AVRO, Canada, and two other research projects in 1958 and 1959 were performed for the U. S. Army, European Research Office (Colonel Taylor).

d. Since 1952, Subject obtained over 140 patents in the United States, Canada, and European countries in his own name (not BTZ or EFW). (NOTE: Subject furnished by letter in the meantime a list of patent numbers obtained in the United States and Canada.)

e. Subject has no information about Soviet rocket propellants or other Soviet GM developments. After several hours of conversation, Subject spoke quite freely and without much prompting about his lack of contacts to the East. He credits in retrospect Soviet achievements in GM propulsion to the fact that the Soviets avoided the mistake, which in his opinion the Americans influenced by Von Braun, Dornberger, etc., made, of continuing fuel developments along the same essential line initiated by the Germans in their ballistic missile activity during World War II. Subject claims that he and his EFW co-workers had in the early part of the war developed better fuel combinations using peroxide or highly concentrated nitric acid and self-reacting kerosene (selbstreagierende gemachtes petroleum) and proved the V-2 propulsion system as obsolete. But he was allegedly powerless against the firmly entrenched Peenemuende crew and the lack of technical understanding by Von Braun and other German leaders. In this connection, Subject also claimed that he was the first man (in 1942) to have proposed a feasible technical solution for vertical take-off aircraft in a complete paper study; but his efforts for acceptance were stymied by bureaucrats and other unimaginative people.

f. Subject clearly stated that he has no Eastern contacts, except that he knows some former Dragons now employed by EFW and that he hears occasionally at conventions about East German scientists at Pirna and at the East German Aircraft Research Center (Prof. Baade, Dr. Scheinost, etc.). In his opinion, developments there are far behind work in Western countries and certainly also in the USSR. (NOTE: Subject admitted that his "opinion" is not based on any detailed and positive information, rather on the low quality of available technical personnel.)

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g. Subject offered the following weapon development projects (some "Candies", as he put it) for consideration by the U. S. Army R & D interests. He stated that they are advanced studies, and presently BTZ's main projects. On each project Subject has obtained a number of patents in Germany, France, Canada, and the United States. Subject expressed his desire and willingness to show all pertinent papers and material to interested American scientists and/or firms, preferably at his BTZ office in Paris.

1. A tactical surface-to-surface infantry missile with radio guidance of 5-6 km range against moving targets with an absolute hit accuracy of $2\frac{1}{2}$ meters square. Total weight of 16 kg, of which 4 kg are payload.
2. An all-purpose infantry guided rocket weapon, originating from a 1957 Pentagon (U.S. Army) request which demanded a 9 kg payload and about 8 to 10 km range. Subject has now developed a ramjet-driven rocket of 19 kg total weight, of which 10 kg are payload and with a range of over 15 km. This weapon has the warhead explosive distributed over the entire length of the rocket, and conforms in this respect also to the newest requirements of the Belgian General Staff.
3. An air-buoy for use as a "radar-relay" antenna which is an important development for defense against very low-flying aircraft. The light resonance relay antenna can be installed on any Army vehicle (or on ships) and be raised from 30 to 50 meters from the vehicle's platform, remaining stabilized in space. This device can be coupled with many types of mobile anti-aircraft missile systems.
4. Complete revision of the project of the vertical take-off many-purpose aircraft "SCARABEE" and the passenger plane "LUCANE", based on new research in the last two years on adapted annular wings and new wind tunnel measurements.
5. Completed paper studies on reactor-driven light aircraft by using over-dimensioned ramjets. Pile temperature never exceeding 400 centigrades, air temperature no more than 200 centigrades for the thrust necessary for MACH 2. Subject has obtained several patents for reactor and shielding in Germany, France, and Canada, but the granting of these patents in the United States are unduly delayed. Subject mentioned that about six months ago a German newspaper reported that the Soviets are now testing reactor-driven light aircraft with annular wings.

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3. Attitude:

Subject was very friendly and talked quite freely about his personal history, his work, and connections.

4. Negative Factors and Security:

None apparent.

5. Instructions:

None.

6. Commitments:

Subject was promised that the weapon development projects as proposed by him in paragraph 2 g will be submitted to the interested U.S. R & D people. Subject expects to be informed about the result.

7. Plans:

No further contact plans at present, however, Subject's technical project proposals will be forwarded to ERO for evaluation and appropriate action.

8. Assessment to Date:

a. Subject was born in Theresienstadt in the old Austro-Hungarian Monarchy, now CSR, in 1905. He comes from an old aristocratic family of which several members are still living in Austria. The undersigned observed that the hotel personnel in Munich and several acquaintances he encountered during his 5½ hours meeting with Subject addressed Subject as "Count". Subject is married and has two or three daughters. Hunting and horseback riding appear to be his main hobbies. Subject speaks native German, fluent French, and has a reading knowledge of English.

b. Subject displays quite a "man of the world" attitude; he is intelligent and pleasant, but also openly conceited about his scientific achievements and professional positions, not to mention his social standing. Subject tries constantly to impress with his inventions, ideas, patents, and technical foresight in general. Subject is very frank about his interest to have Western powers support and finance his research projects and weapons developments. He gives the impression of being financially very well off and having several sources of income.

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c. Politically, Subject appears to be pro-Western and a strong German national. He does not hide his Nazi past and some of his remarks indicate that he is, in some respects, still in favor of autocratic regimes.

d. Subject has undoubtedly many professional and social connections in German and other West-European science, industry, and Government circles. Despite his tendency to exaggerate his own importance and genius, his past and present positions indicate that he has good technical ability and is a capable manager.

e. The undersigned is of the opinion that Subject has no intelligence potential as far as the USSR is concerned. His cooperation, in general, would most certainly depend on establishing a business connection with him and/or his firm.

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