



GENERAL INVESTIGATIVE AGENCY

## Inventory of Equipment

4. The Berlin purchasing agent for EBS has been ordering equipment for what was assumed to be a cover for the next project (Paragraph 1 above). During the week of 14 June he ordered 200 tubes for cathode ray oscillographs from the AEG Röhrenfabrik in Berlin-Alt Moabit. Barter terms were agreed upon but the agent has received no further EBS instructions about this order.
5. EBS has ordered a material testing cabinet (Materialprüfschrank) from Elektrotech, Dresden N 15, an affiliate of Kälterichte, Berlin, Warschauerbrücke. This is intended for one of the trucks [redacted]. Two such devices were installed in the A-4 laboratory train. The cabinet is capable of temperatures running from minus 70 to plus 100° C and has a 210 liter volume. Completion of this cabinet awaits Iporka insulation material, three truckloads of which, in sheet form, must be obtained from a firm named Iporka located in Hoyas bei Hamburg.

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[redacted] Comment: We locate only one Hoyas (L53/W96), near Hannover.

Truck Situation

6. The EBS situation with regard to mobile laboratory trucks was as follows during June 1948:

- Truck 1 - To be delivered to EBS by Gebrüder Schumann at the end of July.
- Truck 2 - Completed. Awaiting check by Technical Bureau 11 inspection team. Scheduled to be shipped to Berlin on 17 June. The testing instruments for gyros are "Schaukelgeräte", which test gyros in all positions in both horizontal and vertical planes. This device resembles a Schwenkloch. The gyros are to be installed in Berlin, either at TB 11 or Friedrichshagen railroad station. Truck 2 also has transformers for 50 or 500 Herz built by Fa. Oehmig in Hartha (K69).
- Truck 3 - Completed and also awaiting approval by the TB 11 inspection team, and also for 17 June delivery to Berlin. This truck contains testing instruments for the "Rudemaschinen" (Each Wasserfall has two vertical and two horizontal rudders, each governed by motors). There is also a performance testing instrument which plays a special role in measuring the strength of the pressure on each rudder created by the projectile's speed in flight.
- Truck 4 - Arrived at EBS on 7 June and presently there under guard in stalls formerly used for locomotives. This will have the modal assembly for the entire tail unit (Beckteil) of the Wasserfall. It will contain four Rudemaschinen and three gyros (Höhenkreisel, Seitenkreisel, and Drehkreisel) plus Kursmotoren producing the motive power for the Höhenkreisel and Seitenkreisel. The electrical charge runs through the Kursmotor to gyros, to signal amplifiers (Signalverstärker), and then to the Rudemaschinen. A large table (Schalt-pult) also is to go into Truck 4; this will contain forty-five measuring instruments for measuring the current in the Wasserfall tail assembly. These instruments were produced by Kahnt und Riede, Gera.
- Truck 5 - Delivered to EBS 15 June. The 30 June deadline for completion of this testing truck for high frequency instruments will not be met. Thirteen types of instruments are wanted and it is not known when they will be delivered.
- Truck 6 - Soviet Ing. Selovev is directly responsible for this radio testing truck.
- Truck 7 - Now in Russia. Enroute through Poland its windows were broken by stones thrown by persons unknown. Although red tail lights were given protective covers, both lights and covers were stolen. Some of the measuring instruments were damaged during the move. In future, sponge rubber mountings will be used to sustain transport shock. Plexiglass will be substituted for window glass.

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Truck 8 - Believed to be the "Armaturen Wagen", with 90% of its instruments made by Schaeffer & Budenberg. Deadline for instruments delivery is 15 August. The truck itself is to be delivered to EBS from the Schumann plant during July. (cf - Attachment II).

Truck 9 - To be delivered to EBS during July by Schumann.

Truck 10 - To be delivered to EBS by Schumann on 28 June.

Truck 11 - To be delivered to EBS by Schumann in August.

7. The last truck of the mobile V-10 laboratory is to be shipped from EBS to Berlin on 20 August.

25X1 [ ] Comment: In view of the difficulties with Truck 5 and 15 August delivery of instruments for Truck 8, the date given in Paragraph 7 sounds rather optimistic.

8. Attachment I provides a list of items, copied from an original document, which Technical Bureau 11 is seeking from various firms.
9. Attachment II gives a list of the instruments desired for Truck 8.

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ATTACHMENT 1 (Documentary)

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List of items sought from various firms by Technical Bureau No. 11.

<u>Lfd</u> <u>Nr.</u>	<u>Firms</u>	<u>Anschrift</u>	<u>Gegenstand</u>	<u>Brief Nr.</u>
1	Hugo GmbH. Kalorimeterbau	19) Dessau Junkerstr. 10a	Manometer ) Mengenmesser )	504
2.	Messgeratewerk Quedlinburg, d. Sowjet Gerätebau A.G. vorm Steinle u Hartung	15) Quedlinburg	dto	505
3.	G.O. Mangels	10) Leipzig G 1 Gellertstr. 7/9	dto	503
4.	Industrie-Verw. 11 Maschinenbau	10) Glauchau Leipziger Str. 33	dto	497
5.	Industrie-Verw. 20	10) Dresden N 20 92 Grossschloßstr.	Selbstschreib ) Fernanzeiger ) Mengenmesser ) Pyrometer )	510
6.	Industrie-Verw. 21	10) Leipzig G 1 Dittrichring 20	dto	511
7.	" " Elektrotechnik	10) "	Manometer ) Mengenmesser )	502
8.	Industrie-Verw. 23 (Feinmechanik)	10) Dresden N 23	dto	498
9.	Sachs Manometerfabk. KG Paul Kiessling	10) Leipzig W 33 Angerstr. 44	dto	501
10	Dr. Kröber u. Sohn GmbH	2) Treuenbrietzen Leipz.Str. 109a	dto	500
11	Alfons Exner	10) Liebstadt/Sa	dto	499
12	Sowj. Gerätebau AG vorm Steinle u. Hartung	15) Quedlinburg	Durchgangshähne ) Ventile ) Dreivegehahn ) Pyrometer ) Cu-Hochdruckrohr )	516
13	Keilpart	15) Suhl i. Thür	Selbstschreiber ) Fernanzeiger ) Mengenmesser ) Pyrometer )	513
14	Rolf Richter	10) Rochlitz i. Sa Sophienpl 5/6	dto	512
15	Exelsior-Werk Rud. Kiesewetter	10) Bilkau b. Leipz Ebertstr 7	Selbstschreiber ) Fernanzeiger ) Mengenmesser ) Pyrometer )	500
16	Engert Elektr. Apparate	10) Leipzig Dölitzstr. 54	dto	508
17	Werkzeug-Union AG	15) Schmalkalden Steinerne Wiess Postfach 270	Durchgangshähne Ventile Dreivegehahn	507

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ATTACHMENT II

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List of instruments required by Elektrobau Sondershausen for mobile laboratory truck No. 8.

<u>Quantity</u>	<u>Nomenclature</u>	<u>Firm</u>	<u>Remarks</u>
2	Manometer w/ scale divisions 0.5 atue & lag indicator (Schleppzeiger)	Schaeffer & Budenberg	Katalog 1 Abb. 1/BM20
1	Reduction valve	" "	Katalog 13, page 8
1	Manometer for remote indicator (Fernanzeiger) w/ pointer (Zeiger) & potentiometer w/ electric remote indicator	" "	Manometer Abb. 1/EE 20, Katalog 28/RZL.60
2	Differenzmanometer w/ Potentiometer & electric remote indicator (Fernanzeiger)"	" "	Fernanzeigergerät 28 0-400 atue. Differenzmanometer 1/BM 90 w/ Gabelzapfen.
2	Manometer for air w/ Zeiger & Potentiometer & electric Fernsender & Fernanzeiger	" "	.....
8	Recording instrument, running time 2-3 minutes. Running speed (Bandgeschwindigkeit) 10-15 mm/sec.	" "	Ortux Einfachsreiber w/ Widerstandethermometer.
10	Voltmeter for remote indicator (Fernanzeiger) to be mounted on board (Tafelausrüstung)	Steinert-Berlin	.....
2	Connecting valves (Verschlussventile)	" "	.....
1	Hydraulic pressure pump (Druckpumpe) w/ motor.	Schaeffer & Budenberg	Katalog 11, Abb.10 D/1000
1	Presse zur Eichung d. Manometer	" "	Katalog 8, S.16, Abb. 3/FH2.
12	Gauged (geeichte) Manometer	" "	10, 25, 30, 60, 200 & 400 atues. Two each.
1	Optical and photo-electric Pyrometer	Wilhelm Braun, Wilhelmsruh, Kopenhagenerstr. 100	t-3000° C
1-2	Waterclock (Wasseruhr) L/sec.	Rota, Aachen	60 ltr/sec, t-30°
1-2	Airclock (Luftuhr) 1? sec.	" "	p-350?, 50 atue, 50 ltr/sec.

Other firms which might be able to supply these:

Askania, Berlin  
Schumann u. Co., Staat-AG, Leipzig W 31  
Samson Vertretung, Berlin  
Blankenburger Armaturenfabrik

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