

WASC 2372

Correspondence/Reports on
German Scientists brought
to Waltham Abbey in 1947

Demant and Luft arrived at
Waltham Abbey at 11.30 Am 20.6.47

RESTRICTED.

h.m.

MOVEMENT AUTHORITY.

TO: Mr. A. VIETCH

1. You will escort the following German(s) to U.K. :-

- a) Bolwo E.A. DEMANT
- b) Norbert LUFT
- c) Heinrich HALBERSTADT
- d) Heinz WALDEK

2. You will report to the R.T.O. MAID GREENHAUSEN at 1.345 hrs on 19.7.47 equipped with railway authorities for the German(s) and yourself and the necessary ~~Warrants/BIOS Documents of Identity/Landing Cards/Temporary Travel Documents/Entry Permits/Exit Permits/~~ EE 207. Departure Cards

You are responsible for the safe escort of the above-named German(s) to U.K. and for ~~their~~ handing over to the Reception Centre Authorities at SPEDAN TOWERS, BRANCH HILL ROAD, HAMPSTEAD * Reg. 2103. at Liverpool St. Station for a) b) d)

You will ensure within the facilities available, the adequate feeding etc. of the German(s). At BENTHEIM and the HDOCK ~~to~~ they may be taken into the Officers' Mess for a hot meal. If at any stage on the journey difficulties with regard to feeding or accommodation of the German(s) arise, you will contact Movement Control or R.T.O. Staff and show this paper as your authority for escorting Germans.

You will also ensure during the course of the journey BEFORE you reach HERWICH that the attached LANDING cards are completed by each German ~~and that the attached BIOS Documents of Identity are completed for these Germans as indicated.~~

6. You are responsible for seeing that those Germans travelling with Temporary Travel Documents and Entry or Exit Permits are in possession of their respective papers at all stages of the journey. ~~It is your responsibility to look after the BIOS Documents of Identity and Warrants which you should hand over to the Reception Centre Authorities at SPEDAN TOWERS on completion of the journey.~~

7. ~~At BENTHEIM you will NOT show the BIOS Document of Identity to the Frontier Control Staff, or to any other authorities except those as indicated in paragraph 8 below.~~

8. At HERWICH you will be required to show all travel permits to the IMMIGRATION authorities. The Movement Control Staff there will supply you with the necessary Railway Warrants to LONDON.

9. At LIVERPOOL STREET STATION you will report to the R.T.O. to be assigned transport. In case of any trouble ring :-

(a) Major BLUM
BIOS Secretariat
Messenger 2861 - Ext: 122.

Group 2 (Instruments Towers)

to visit that every-

a memo

Major, B 121, 117,
Gr, 29, pol.grad. B-.

Llanmartin, June, 1947.

To the

Commandant No 184 P.O.W. Camp.

Sir,

Reading the enclosed report of Pinchin, Johnson & Co Ltd, Manufacturers of paints, I asked myself if I might not do some useful work in this line.

By profession I am a chemist, specialized since 1921 in the manufacturing of paints, varnishes and lacquers. I have worked with important German and foreign firms and have acquired a high amount of special knowledge.

As one of the main problems of German pre-war industry was to rely as little as possible on important raw materials and as in this country too this tendency is growing, I am willing to offer my services while in captivity. My experiences might be very useful at this stage of development.

They are of course not to be compared with knowledge about fabrication of certain weapons, but I might mention that there are military or naval interests too in the most efficient coating against wear and corrosion or special influences as acids in case of submarine battery rooms or petrol in case of oil or petrol containers.

I am prepared to give the full amount of my knowledge and experience with out compensation. All I am interested in is the chance to do some useful work in the line of my profession during the time I have still to be P.O.W.

(Sgd) BARENSFELD.

British income tax at the monthly rate of £ amount in sterling payable in arrears on the last day of every month save that on first arrival in the United Kingdom the employee may draw an advance of salary which shall not exceed half the aggregate salary less deductions in respect of living quarters and meals under Clause 5 hereof to which he will become entitled on the last day of the month immediately succeeding the month during which his service began.

4. Travel Arrangements.

- (a) The transport costs of getting the employee from his home address in Germany to his quarters in the United Kingdom and the transport costs of his return to his home address in Germany will be borne by the Department.

Departmental Memorandum
(For internal use only)

Dr. Lothar Barenfeld, Prisoner
of War - application for technical employment.

X(7) 876/1.

CHIEF
ARMED
31 JUL 1947
WALTHAM ABBEY.

Monro

Dr. Lothar Barenfeld has been interviewed by Dr. Ellis and myself, and the following comments are forwarded for your information.

Dr. Barenfeld studied at the Technische Hochschule and took his doctorate degree following research investigation on the properties of sunflower oil. He is now 49 years old, and served as an officer in the German Army in both the 1914 and 1939 wars. When not engaged on military duties, he appears to have been primarily employed as a nitro-cellulose lacquer technologist, e.g. by the Gunther Ruth A.G. firm near Hamburg.

We would estimate Dr. Barenfeld's chemical knowledge as approximating that of our Intermediate B.Sc. grading, and he is certainly not possessed of sufficient experience to supervise or direct general chemical research.

He probably possesses a reasonably sound knowledge of the general commercial manufacture of nitro-cellulose/resin compositions and might be of use in the Materials Section as an assistant engaged mainly on pre-

parative work.

He has no knowledge of the use of nitrocellulose as an ingredient of explosives or propellants, and possesses only a superficial knowledge of drying oil/resin paint technology.

Considerable attention would have to be paid to the advisability, on security grounds, of employing alien personnel within the precincts of our research laboratories. A knowledgeable man, who keeps his eyes open could amass quite useful information if employed within the fabric of our organization, and it is difficult to see how adequate security control could be achieved.

[Signature]
30/7/47.

D 46150-1 20,000 D/d 764 12/45 P R P

PPCO
246

(938)
W127880/2743
3,000,000 9/44
JCAS 736/208
(REGIMEAN)
Code 5-33-0

British income tax at the monthly rate of sterling payable in arrears on the last day of every month save the first arrival in the United Kingdom the employee may deduct from his salary which shall not exceed half the aggregate salary for the month in respect of living quarters and meals under Clause 5 of the agreement become entitled on the last day of the month immediately following the month during which his service began.

4. Travel Arrangements.

(a) The transport costs of getting the employee from his home address in Germany to his quarters in the United Kingdom and of his return to his home address in Germany shall be borne by the Department.

CS/W/2

FOOD PARCELS TO GERMANY.

Arrangements are now complete to enable food parcels to be sent to individuals residing in the British, American and French zones of Germany, but excluding all of Berlin.

Not more than one parcel may be sent each calendar month by any one person in this country to any one person in any other country.

Parcels must not weigh more than 7 lb. including packing, must not contain anything but rationed foodstuffs (including foods bought on points or on personal points, and also rationed soap), and must not exceed £5 in value. Not more than 2 lb. may consist of any one item. The sender of such a parcel will not need an Export licence or a currency declaration.

Until a parcels post to Germany is opened, the organisation "Save Europe Now", 14, Henrietta Street, Covent Garden, London W.C.2 has undertaken to forward these individual gift parcels, which do not need to be checked at the Food Office. Anyone wishing to send a parcel to a friend or relative in those parts of Germany should write to "Save Europe Now", stating the Zone to which he wishes to send his parcel, and enclosing a stamped addressed envelope and a 4/- Postal Order. He will then receive a special label for use on the parcel, which should be posted in the ordinary way to "Save Europe Now". The 4/- Postal Order covers the cost of transport from that organisation to Germany.

RECEIVED
10 DEC 1946

COPY

FIELD INFORMATION AGENCY TECHNICAL (BRITISH)

E.P.E.S. FORWARD

QUESTIONNAIRE FOR GERMAN SCIENTIFIC AND TECHNICAL PERSONNEL

Full Name: Dr. Friedrich Hans Fritz August
Surname First name Middle name

Full address: Berlin-Charlottenburg, Fritzsche Strasse 72

Date of birth 28.10.97 Sex Männlich Identity No. Ausweis für Russische Zone

Scientific, Technical and Professional Speciality Explosible Gase,
flüssiger Acetylen, Nitrierung und ? von flüssigem Acetylen

Dependents: No. infants under 5 yrs. No. in Age Group 5-15yrs. Above 15yrs. No. of Aged or infirm Total

Male:

Female:

1 Ehefrau

Total:

Are you and the dependents listed above capable of being moved by normal motor or rail transport? Yes or no ja

Remarks:

Biological Information: Institutions: Years: Degrees: Dr. Ing.

Academic degrees: Dipl. Ing.

Technical High Schools: Technische Hochschule Berlin

Universities and Advanced Studies: Universität (medizin) Berlin

Subsequent Scientific, Technical and Professional Activities:

Name of Agency	Position held	Dates
1) Technische Hochschule	Assistant bei Prof. Dr. Hofmann	1920
2) Deutsche Werke, Spandau	Leiter des huttenmannischen Laboratoriums	1922
3) Chemisch-technische Reichsanstalt, Berlin	Regierungsrat seit 1928	1923-1945

Metzian)

1/1/1

Dr. Georg Meitz
Schwetzingen bei Heidelberg
Mannheimerstr. 9.

Report on my experimental work from 1919 until 1945.

I was "Regierungsrat" with the "Chemisch - Technische Reichsanstalt" at Berlin - Plötzensee and director of the department "Internal Ballistics".

My main task was the investigation into combustion processes of powder. Measuring methods were examined and developed which were suitable to measure the travel of the gas pressure and the maximum pressure. The powder was tested in special combustion bombs and in the corresponding guns. The tests were in the main carried out within the domain of the acceptance department so as to determine the ballistic data of the powder. During the last years before the war, these powder tests referred mainly to substitute powders to be found and to developing a standard type of powder. Latterly, special tests were made to settle conditions of the gas pressure in the "Panzerfaust" and the "Panzerschreck".

Tests referring to a critical testing of the gas pressure methods.

In the main, the gauge cylinder method was tested.

The following factors influencing the results were examined:

Temperature of the gauge cylinder,

Ageing of the copper cylinder,

Preliminary upsetting,

Combustion velocity of the powder and for upsetting velocity,

Size of the gauge cylinder,

Cross-section and weight of the die

51/44/2
die grease and the mould.

The difference between the pressure measured with the aid of the gauge (upsetting) cylinder and the absolute pressure was examined.

These tests were carried out in test bombs and arms provided with several gauging spots (Places). For measuring the travel of the pressure and the absolute pressure, the piezo - electric measuring method was mainly used. The piezo - electric method was critically examined and all possible sources of error determined and discarded as far as possible.

The "Salotten" measuring process which had been developed in cooperation with the firm of Zeiss - Ikon, was found to be particularly suitable for measuring the absolute maximum pressure.

Tests of raw material.

Detailed (thorough) tests were made on the phenomena of partial combustion and on the formation of nitted cracks of the material used for the barrel as due to the temperature of the powders and powder gases as well as to the chemical composition of the powder and to the gas pressure.

In order to settle the question of how the material behaves with short strains and shocks, dynamic tensile-tests up to breaking point were carried out. To this end, the tensile-test-rods were exposed to a kind of strain (or stress) resembling the travel of the gas pressure when firing. At the same time, the travel of the gas pressure and that of the strain and of the elongation were recorded.

Tests on friction.

In the case of small and, especially, sporting arms, the resistance to filling and that due to friction, were found out by measuring the travel of the gas pressure simultaneously with the aid of the recuperation (recoil or return ?) method and the piezo - electric method. The rate of resistance was also determined by static pressing through the projectiles.

15/44/3
beside my work the "Chemisch - Technische Reichsanstalt", I was also
director of the proof-firing department in Suhl since 1941.

This department had to test sporting arms. In question referring to
proof-firing, I was technical advisor to the German Ministry of Economics.
I was also the German member of the "Commission etc. in Brussels.

I published in several technical reviews articles on work referring
to ballistics and to the behaviour of explosives. I am also the author
of the book "E. Bollé " published by Vieweg and Sohn in Braunschweig
in 1941.

Training periods and engagements in action with the German Air
Force in the quality of meteorologist allowed me to gain practical
experience in meteorology.

I should also like to point out that from 1931 until 1934, I wrote
my thesis for obtaining the degree of doctor at the Kaiser-Wilhelm
Institute for medical research under supervision of professors
K.F. Hauser and Richard Kubn on "The light absorption of combinations
of combined double - linked at low temperatures". Before I
entered the "Chemisch - Technische Reichsanstalt" in December, 1935, I was
charged by the I.G. Farbenindustrie to co-operate in the development
of the electronic microscope in the AEG's Research Institute in
Berlin.

translated by : Ruhstrat

W44/1
& W469/1

C.R.D.D.,

L. P. Group.

15.12.47

C.S., C.R.D.D.

With reference to the probable necessity of accelerating the work on liquid oxygen as a propellant oxident two points arise.

(a) facilities

(b) staff

(a) I have already had preliminary discussions on the use of one bag in No. 2 proof-stand for liquid oxygen. The only point at issue here is the time required to get this proof-stand into operation. Once we have settled the question of periscopes we can give full details to Mr. Brewin and then the only question is one of priority.

(b) Mr. Ziebland was originally brought from Germany to carry out experimental work on CO₂ systems. With our present staff situation we have no Englishman who is not fully employed and further Mr. Ziebland's experience is probably unique in this country as he has had seven years experience in Germany on oxygen/oil propellant systems. Further his work has always been on the fundamental research side and he is a fully qualified engineer. Thus, as to his suitability there is no doubt and during the time he has spent under us both in Germany and at C.R.D.D. I have formed a very high opinion as to his abilities and soundness. The question of security however arises. He is a German national (born in Austria and then of Czechoslovak nationality until he moved to Germany). In Germany he is responsible for the maintenance of his two children who are looked after by his parents (his wife is dead).

What will be the attitude of the Ministry if he is employed on basic research which is directed to the development of specific Service requirements?

(Sgd) L.A. Wiseman

15.12.47

view of his very good work Ministry, and took it as S.B. 42 designer during the past Christmas 1947. fact

RB/IJ.

Copy to: - O.C., M.O.S. (M)
VOLKENRODE,
B.A.F.O.,
c/o B.A.O.R.

COMD MILITARY GOVERNMENT
RB LUNEBURG.
(R. BUCKLEY).

T.P.A.3.(a) (Attention of Mr. Boyce)

Renewals of contract - Ziebland and Neunzig

C.S., C.R.D.D. recommends that in both cases contracts should be renewed for a period of 12 months. The following appreciations of their work are forwarded:-

Hans Ziebland

Ziebland has been working under Mr. Wiseman at Waltham Abbey and has been engaged in the design and lay-out of equipment for the second Proof Stand which is to be used for research on heat transfer problems, testing of refractories for nozzles and lining combustion chambers. In the first instance bi-fuel systems based on liquid oxygen are to be investigated.

It should be noted that this is a continuation of the work for which Ziebland was responsible at Trauen, and in which he is an expert. He has done excellent work at Waltham.

His work during the next 12 months will be on the same lines as that outlined above.

Frans J. Neunzig

Neunzig has been working under Dr. Masterman chiefly at the Admiralty Research Station at Welwyn in conjunction with D.A.E.R. (Admiralty) and Shell Petroleum Coy on the evolution and testing of solid catalysts for decomposition of H.T.P, the eventual use of which is contemplated in certain torpedos and submarines.

Neunzig has proved a most useful and willing member of the team, and very assiduous in his duties.

His work over the next 12 months will be, as far as can be foreseen of a very similar character. In addition, much of the solid catalyst testing work will be carried out at Waltham and Neunzig will have some responsibility in designing and assembling the necessary testing plant.

E. A. Monto
Sqd
for C.S., C.R.D.D.

Waltham Abbey,
5th November, 1947

Dr. Botho Demant

Waltham Abbey. 21st Aug. 1947.

CS/C.R.D.D.

Already at the first discussions on my contract and my supposed working in this country I showed my personal conditions and difficulties (remember please my letters of 27th May and 28th June 1946 to Dr. Masterman and Mr. Boyce). I was told, that only for my former family I could receive the amenities of the so-called "Familienbrief" and that I should be able to bring over with me to this country my new family after finishing my first six months period. That agreement was just a year ago and it could be expected then that normally the finish of my first six months period and therefore the removal of my family would be in the Spring 1947. So I planned and made my decisions. Certainly it has not been my fault, that I could not start my first six months period in this country before the 17th of June 1947. It may be mentioned also here, that I am working for this country already since Sept 1945 (S.P.O.G., M.O.S.E.C, M.O.S.E.S.T). But the wasting of time by my waiting for my departure to this country from Oct. 1946 until the 17th June 1947 had and has now serious consequences for my new family and myself.

At first, it was not possible to marry my new wife under such uncertain circumstances before my final going to this country started. Secondly my new family must stay and live under special, most intolerable conditions without any help and amenities from any side in Germany for a longer time than it was supposed before. Please let me shortly give some details herefore.

Beside all the other incredibly hard common conditions of life at the present time in Germany my future wife with her two little children must live alone as a refugee from the Russian Zone with people who dislike refugees. There is no possibility for her to get some other food than only the very small rations, no fuel, no clothing no potatoes etc, nothing more than trouble, sorrows and griefs day by day. Probably there may be no comparison anyway between these special conditions and those of the other German scientists contracting with this country.

Now my future wife is under surgeon treatment on behalf of her general weakness by her continuous underfeeding and nervous breakdown, and her illness is increasing every week, she must stay longer there. You may proof the truth of my words reading her letters now. When I was in Germany before, I could help her a little bit, but now she is alone and unable to endure longer all the daily increasing difficulties. Regarding the last wintertime in Germany it is really quite impossible, that she will survive under the present intolerable conditions the coming winter without danger for her life.

On the other side I got now a suitable accommodation here, 11, Estfield Road, Waltham Cross, Herts, a furnished flat, consisting of bed-room, sitting-room, kitchen and bathroom and there should be no more other practical objection against her immigration than only formality considerations.

According to all experience already made by other German scientists the bringing over of the families requires normally about a four months time from the finish of the first six months period. It means that in my personal case my wife would come over in the normal manner not before Ester 1948, and therefore that she must stay and wait at least till the whole next winter in Germany. But that is, as already explained above, quite impossible without further serious consequences for her and therefore also for me

NO.	NAME AND TITLE	DESCRIPTION	LAST KNOWN LOCATION	INTEREST
22.	Gossler, Fritz. Dr.	Optical measuring.	Heidenheim.	Instrument Panel require Assessment Report.
23.	Grundmann, Prof.		Brunswick.	C.E.A.D. interested if brought to U.K. by other depts.
24.	Haase, Rolf.	Physios, Chem. Lab. under Prof. Bouncoeffler.	Ainsdorf.	Assessment Report required.
25.	Hagg, Walther, Dir. Dr.		Darmstadt.	Assessment Report required.
26.	Haensler, Joachim.	Dir. Gesellschaft für Gerätebau G.H.B.H.	Ellais, Bavaria.	C.E.A.D. require in U.K. for interrogation.
27.	Hartmann, Walter.	Phys. Tech. Institute.	Ainsdorf.	Assessment Report required.
28.	Hegensterberg, Dipl. Ing.	I.G. Ludwigshafen, Oppau.		Instrument Panel require Assessment Report.
29.	Heinz, Jung. Dr.	Photographic Lenses, Carl Zeiss.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
30.	Hempel, Kurt. Ing.	Designer Industrial measuring instruments.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
31.	Hilburg, Dr.	I.G. Oppau.		Instrument Panel require Assessment Report.
32.	Jestrabek, Leopold. Ing.	Czech-Czechoslovakia; Small Arms.	Alavode 185, Mrs. L. S. Booko.	C.E.A.D. require on return to U.K. about 7.2.47.
33.	Joch, Dipl. Ing.	R.W.I. - Altheim/Ruhr.		Instrument Panel require Assessment Report.
34.	Jorgens, Wilhelm.	Designer tanks, guns, locomotives; welded construction.	Weilburg	Metallurgy interested if brought to U.K. by other depts.
35.	Jungst, Albert	Design engineer; antenna production specialist projecting jigs and tools.	Peonemünde	Assessment Report required.
36.	Kock, Paul. Dr.	Carl Zeiss, Jena.	Darmstadt.	Instrument Panel to interrogate in Germany.
37.	Kessler, Heinrich.	Carl Zeiss, Jena.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
38.	Kinder, Walter, Karl, Hugo. Dr. Phil.	Physics Lab. Carl Zeiss.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
39.	Kirchner, Hans.	Optical Pressing, Jenaer Glaswerke.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
40.	Klein, Gerhard.		eilburg.	Assessment Report Required.
41.	Klein, Wilhelm.		Heidenheim.	Assessment Report Required.
42.	Knöll, H. Dr.	U.R.T's and Telescopes.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
43.	Koenig.	Zeiss Ikon. Instrument designer.	Requested.	Instrument Panel interested if brought to U.K. by other depts.

NO.	NAME AND TITLE	DESCRIPTION	LAST KNOWN LOCATION	INTEREST
63.	Rein, W. Dr.	Application of physics to chemical problems, optics; infra-red.	Requested.	Instrument Panel require Assessment Report.
64.	von Rhode, Moritz. Prof.	Carl Zeiss.	Heidenheim.	Instrument Panel require Assessment Report.
65.	Richer, Wolfgang. Dr.		Darmstadt.	Assessment Report required.
66.	Richling, Raimund. Scientist.	Pat. organs for remote control flying bodies. Oder Ing. Hilrich/Harz.	Requested.	Assessment Report required.
67.	Ross, Peter, Dr.	Technical Staff German Admiralty.	U.M.G.M. Hindon.	C.S.A.R./C.S.D. require in U.K. for further interrogation.
68.	Schardin, H. Prof.	Scientist.	Paris - France.	C.S.A.R. still wish to interrogate in France.
69.	Scheemann, Karl. Nav. Eng.	Gun designer, R.M.B.	Weilburg.	Assessment Report required.
70.	Scheller, Ludwig. Prof.		Minsdorf.	Assessment Report required.
71.	Scheufelen, H. Dr. Ing.	Wasserfall proof test. Rockets.	U.S.A.	C.S.A.D. require in U.K. if returned from U.S.A.
72.	Scheid, Karl. Ing.	I.G. Farben.	Darmstadt.	R.D.Mat. 4 require in U.K. for interrogation.
73.	Schmidt, Reinhold. Ing.		Darmstadt.	Assessment Report required.
74.	Schmidt, Otto.		Darmstadt.	Assessment Report required.
75.	Schubel, Hermann, Dipl. Ing.	Jenner Glaswerke, Schott and Genossen.	Heidenheim	Instrument Panel require in U.K. for interrogation.
76.	Schultze, Werner, Dr.	Light metals. Casting by various means.	Darmstadt.	R.D.Mat. 4 require in U.K. for interrogation.
77.	Schulz, Herbert. Dipl. Ing.	Welding technique.		Metallurgy require in U.K. for interrogation.
78.	Schwartz.			C.S.A.D. interested if brought to U.K. by other depts.
79.	Schweikert, Frl.			C.S.A.D. interested if brought to U.K. by other depts.
80.	Schwesinger, Gerard. Dipl. Ing.	Photogrammetrical measuring instruments.	Heidenheim	Instrument Panel require in U.K. for interrogation.
82.	Siebel, Gustav. Dr. Phil.	Light metals research, I.G. Farben.	Darmstadt.	R.D. Mat. require in U.K. for interrogation.

GROUP 2 H.T.O.S.
 NAME AND TITLE
 NO.

No	NAME AND TITLE	DESCRIPTION	LAST KNOWN LOCATION	INTEREST
100.	Wiesch, Wilhelm. Ob. Ing.	Mechanical fuse expert.	Dillenberg.	Assessment Report required.
101.	Zichor, Gustav. Dr.	Specialist geodetic and industrial measuring instruments.	Darmstadt.	Instrument Panel require in U.K. for interrogation.
102.	Ziengiebl, Hans. Dr.	Research on clays, aluminum oxide.	Darmstadt.	Metallurgy interested if brought to U.K. by other depts.

144. LANGE, Kurt
145. LANGE, Kurt
146. LANGE, Kurt
147. LANGE, Kurt
148. LANGE, Kurt
149. LANGE, Kurt
150. LANGE, Kurt
151. LANGE, Kurt
152. LANGE, Kurt
153. LANGE, Kurt
154. LANGE, Kurt
155. LANGE, Kurt
156. LANGE, Kurt
157. LANGE, Kurt
158. LANGE, Kurt
159. LANGE, Kurt
160. LANGE, Kurt
161. LANGE, Kurt
162. LANGE, Kurt
163. LANGE, Kurt
164. LANGE, Kurt
165. LANGE, Kurt
166. LANGE, Kurt
167. LANGE, Kurt
168. LANGE, Kurt
169. LANGE, Kurt
170. LANGE, Kurt
171. LANGE, Kurt
172. LANGE, Kurt
173. LANGE, Kurt
174. LANGE, Kurt
175. LANGE, Kurt
176. LANGE, Kurt
177. LANGE, Kurt
178. LANGE, Kurt
179. LANGE, Kurt
180. LANGE, Kurt
181. LANGE, Kurt
182. LANGE, Kurt
183. LANGE, Kurt
184. LANGE, Kurt
185. LANGE, Kurt
186. LANGE, Kurt
187. LANGE, Kurt
188. LANGE, Kurt
189. LANGE, Kurt
190. LANGE, Kurt
191. LANGE, Kurt
192. LANGE, Kurt
193. LANGE, Kurt
194. LANGE, Kurt
195. LANGE, Kurt
196. LANGE, Kurt
197. LANGE, Kurt
198. LANGE, Kurt
199. LANGE, Kurt
200. LANGE, Kurt

GROUP 2 D.I.O.S. PERSONNEL PROGRESS.

LIST NO. 5.

SECRET

GROUP 2 D.I.O.S. INTERESTS IN GERMAN SCIENTISTS AND TECHNICIANS OUTSTANDING AT 31.1.47.

NO.	NAME AND TITLE	DESCRIPTION	LAST KNOWN LOCATION	INTEREST
1.	Laborius, Willi.	V-2 technician, Rheinmetall-Dorsig.	Requested.	Assessment Report required.
2.	Adelseck, Elizabeth. Eng.	Verein-Apparatenbau-Rheinmetall-Dorsig.	Rosenthal.	Assessment Report required.
3.	Ahlmann, Otto. Eng.	Verein-Apparatenbau-Rheinmetall-Dorsig.	Rosenthal.	Assessment Report required.
4.	Bookling, Alfred Eng.	Engr. Light Metals Farben, Bitterfeld.	Darmstadt.	Metallurgy interested if brought to U.K. by other departments.
5.	Bretschneider, Elrich, Dr.	Schott and Genossau.	Heidenheim.	Instrument Panel interested if brought to U.K. by other departments.
6.	Bretschneider, Otto. Dr.	Chemist.	Darmstadt.	E.P.Mat.4 require in U.K. for interrogation.
7.	Buschang, Wilhelm. Dr.	Head of Research Dept. Osram-Berlin.	Darmstadt.	Assessment Report required.
8.	Crösbeck, Heinrich. Dr.	Physikalisches Institute, Jena University.	Darmstadt.	Assessment Report required.
9.	Dawohl, Walter.	Jenaer Glaswerke, Schott and Genossau.	Barnstadt.	C.S.A.R. require in U.K. for interrogation.
10.	Diels, Dr.	Jenaer Glaswerke, Schott and Genossau.	Berlin.	Instrument Panel require in U.K. for interrogation.
11.	Dittmann, Fritz.	I.G. Ludwigshafen, Oppau.	Village near Heidenheim.	Instrument Panel require Assessment Report.
12.	Egli, Dipl. Ing.	I.G. Farben, Chemist.	Heidenheim.	Instrument Panel require Assessment Report.
13.	Elendt, Willi.	Jenaer Glaswerke, Schott and Genossau.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
14.	Engel, Dipl. Ing.	Dir. Research H. V. A. Explosives and Ballings.	Leverkusen.	Instrument Panel require Assessment Report.
15.	Engelhardt, Dr.	Carl Zeiss, Jena. Range finders.	Heidenheim.	E.A.R. require in U.K. for interrogation.
16.	Faulstich, Marga.	Scientific Research. Schott and Genossau.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
17.	von Francois, Coetz. Dr.	Physicist at Institute of Prof. Schiller.	Frankfurt.	C.S.A.R. require in U.K. for interrogation.
18.	Franke, Erich.		Heidenheim.	Instrument Panel require Assessment Report.
19.	Geffcken, Walter. Dr.		Heidenheim.	Instrument Panel require in U.K. for interrogation.
20.	Germer, Rolf.		Ainsdorf.	Assessment Report required.
21.	Getz, Hans.		Heidenheim.	Assessment Report required.

NO.	NAME AND TITLE	DESCRIPTION	LAST KNOWN LOCATION	INTEREST
44.	Kranes, Josef.	Mathematician.		
45.	Krieger, Kurt, Ing.	Siemens and Halske, A.G. Arnstadt.	St. Wolfgang, Austria. Dillenburg.	D.W.R. require in U.K. for interrogation. Instrument Panel require Assessment Report.
46.	Kutke, Georg.	Jenaer Glaswerke.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
47.	Lange, Guenther.	Specialist naval fire control, Zeiss.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
48.	Lohnig, Horst.	Constr. engineer. Flight research, armour and armament of aircraft. Scientist.	Requested.	Assessment Report required.
49.	Lehovec, Kurt. Dr.		Berlin.	
50.	Linke, Alfred. Dr.	Mechanical fuse expert.	Dillenberg.	E.A.E. require in U.K. for interrogation. C.B.A.D. require to interrogate when he returns to U.K. for employment. Instrument Panel interested if brought to U.K. by other depts. Instrument Panel require Assessment Report.
51.	Littmann, Hans. Dr. Phil.	Optical measuring - Carl Zeiss.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
52.	Loch, Dipl. Ing.	Ruhr Oel A.G. Bottrop, Velheim.		Instrument Panel require Assessment Report.
53.	Merte, Willi. Dr. Phil.	Photographic calculating, Carl Zeiss.	Heidenheim.	Instrument Panel require in U.K. for interrogation.
54.	Miller, Dr.	Dir. Film Plant, Wolfen Mfg, Munich.	Darmstadt.	Instrument Panel require Assessment Report.
55.	Patterson, Wilhelm. Dr. Eng.	Extraction Light Metals, aluminium and magnesium alloys.	Weilburg.	R.D. Mat. 4 require in U.K. for interrogation. Instrument Panel require Assessment Report.
X 56.	Pichler, Dipl. Ing.	K.W.I. Velheim/Ruhr. Catalysts for combining Carbon-Monoxide and Hydrogen.	U.S. Zone.	Instrument Panel require Assessment Report.
57.	Fister, Herman.	Carl Zeiss	Heidenheim.	Instrument Panel require Assessment Report.
58.	Ramb, Rudolf. Dr. Phil. Nat.	Optical measuring, Carl Zeiss.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
59.	Rantsch, Kurt, Dr. Ing.	Carl Zeiss	Heidenheim.	Instrument Panel require in U.K. for interrogation.
60.	Rausche, Alwis Schirmel.	Carl Zeiss.	Heidenheim.	Instrument Panel interested if brought to U.K. by other depts.
61.	Reck, Max. Dr. Ing.	Electrical installation engines. H.T. Electrical installations.	Darmstadt.	C.S.A.E. require in U.K. for interrogation.
62.	Rehn, Karl. Dr. Phil.	Optical Chemistry, Jenaer Glaswerke.	Heidenheim.	Instrument Panel require in U.K. for interrogation.

4441
COPY - Mr. Monro.

For information
H.A.
25-60

O/C M.o.S. (M) Detachment R.A.F. Unit,
Volkenrode, B.A.O.R.

Mr. E.G. Boyce, S.R.2, Room 1041
Ministry of Supply,
Shell Mex House,
Strand, London, W.C.2.

File

Date: 23.10.1946.

Subject: Employment of Germans under D.C.O.S. scheme.

Ref: M.o.S. 958

1. The contracts for the following nine German Scientists were negotiated at Trauen on 22.10.1946:

Meier, Walder, Piedler, Treutler, Koltermann, Jessen, Muller (Walter), Diederichsen, all destined for D.G.P., and Neunzig, destined for Waltham Abbey.

One copy of each signed contract, with a completed questionnaire is enclosed (9 contracts, 9 questionnaires).

2. The contract for Frauenberger, also destined for D.G.P. was also negotiated on 22.10.1946, but the questionnaire could not be completed at the time. It has since been completed, and on receipt will be sent to you with one copy of the signed contract.

3. Sq/Ldr. COPLEY at Trauen is taking steps to settle the family affairs of these 10 Germans, and will put them on embarkation leave as from 24.10.46. Doctor's certificates have been requested from them, and, according to our information, accommodation is ready at Westcott for the members of Schmidt's team.

4. A message was received from Mr. COLEBROOKE yesterday requesting that Sea-rail passages be booked for Schmidt's team, instead of air-passages from Volkenrode to Farnborough. Action has already been taken, and Major HARROW, H.Q. 'T' Force has undertaken to book 10 passages for Nov. 6th, for the above 9 members of Schmidt's team, and for Neunzig. It may be preferable, at a later stage, to switch Neunzig's passage to Schmidt, if Schmidt is cleared in time to travel with the nine members of his team. Neunzig would then be dealt with in the usual way by the Volkenrode ferry.

5. With reference to the six new Germans required for work at D.G.P. in addition to Schmidt's team, all the necessary forms etc. for security clearance and exit permit application have been completed in respect of Dr. Günther Ludwig, and they are almost ready for despatch to H.Q. 'T' Force.

For Hasse, Lunge, Schirmacher and Weiss, the necessary forms have been sent to the British Naval Gunnery Mission at Minden, where they work, to be completed there.

No contact has yet been made with Dr. W. Elfers at Hamburg University, but renewed efforts are being made.

(Sgd.) C.K. Thornhill.

O/C M.o.S. (M) Detachment,
Volkenrode.

Copies to:-

Mr. E.E. HADDON, Shell Mex House.
Mr. D.C.T. Colebrooke.
Sq/Ldr. Copley, M.o.S. (M) Trauen
Mr. Lambourne.
D.G.P./A.L.O.
C.S./C.R.D.D. Waltham Abbey (Dr. Poole)
Maj. Harrow, H.Q. 'T' Force.
B.I.O.S. Liaison Officer, Fort Halstead (Mr. Thomas).

P.S. Ref

Contract and questionnaire for Frauenberger enclosed. (In)

EMPLOYMENT OF GERMAN SCIENTISTS IN U.K.

1. The present policy governing the employment of German scientists and technicians has been laid down by the Deputy Chiefs of Staff and has been approved by the Chiefs of Staff and the Defence Committee. It has been agreed that a limited number of high-grade German scientists and technicians may be employed in this country for the benefit of our Defence Services, subject to certain conditions, as laid down in the paper attached at Appendix A, the intention being to exploit German work in those fields of research in which they were ahead of us. It is not intended that these German experts should occupy positions which might otherwise be filled by British staff, and the employment of a German or Germans at an establishment does not therefore count against the strength of the scientific staff of that Establishment, nor are the Germans given gradings corresponding to those of the British staff.
2. The employment of technicians (as distinct from highly-qualified scientists) under the scheme is accepted in principle so that by providing the scientist with the expert assistance to which he is accustomed we shall obtain the fullest advantage from his experience and capabilities. This assistance from technicians could not in many cases be adequately provided by British staff, and, furthermore, the latter would probably not willingly work as assistants to Germans. Pursuant to this policy numbers of German scientists varying from 2 up to 10 have been recruited and brought to this country to work as teams, rather than as individuals. In other cases the Germans will work individually. The recruitment of German technicians to assist British staff of senior officer gradings is not envisaged.
3. Since the inception of the "D.C.O.S. scheme" for recruiting Germans to work in Defence Science Establishments, a further scheme has been organised under the aegis of a body known as the Darwin Panel by which German scientists can be employed by British Research Associations and industrial firms, provided the results of the Germans' work are made freely available to all firms in that particular industry. This "Darwin Panel scheme" is operated by the Board of Trade, for the benefit of British Industry, but if any Ministry, such as the Ministry of Supply, wishes to sponsor employment of Germans in a particular industry or firm in which the Ministry is interested they may approach the Board of Trade accordingly.
4. Arrangements can also be made whereby a particular German or Germans can be brought over to this country for "interrogation", so that it can be decided whether he will be worth employing over here, whether he should have German assistants to help him, and so forth.
5. Contracts of employment are for 6 months, renewable with the agreement of both parties for a further 6 months. The approved form of contract is attached at Appendix B. After the first 6 months, a German may bring his family (normally wife and children under 16) to live with him in U.K., provided that the prior approval of the Treasury, Home Office, and Ministry of Health is obtained. The German himself must first find living accommodation for his family.
6. The grades and salaries for Germans which have been approved by the Treasury are as follows:-

Scientist Grade I	between £700 and £800 per annum
" " II	" £600 and £700 " "
" " III	up to £600 " "
Technician Grade I	between £500 and £600 " "
" " II	" £400 and £500 " "
" " III	up to £400

Sponsoring Establishments and Directorates are required to recommend an appropriate grade and salary for Germans nominated by them for employment. The German is required to pay British Income Tax on the whole of his salary, and, in addition, German Income Tax will be payable on that part of his salary which he remits to Germany (see clause 7 of Appendix B).

7. With regard to the housing of the Germans when here without their families, separate hostels are provided as far as possible at the Establishments. Where this is not possible or the numbers of German staff do not justify provision of a separate hostel, private billets are found for the Germans before their arrival (see clause 5(a) of Appendix B).

8. With regard to clause (f) of Appendix A, the Home Office has decided that Germans employed under the D.C.O.S. or Darwin Panel schemes shall be subject to the usual regulations governing enemy aliens. The appropriate extract from the Aliens Order 1920 is attached as Appendix C.

9. It will be appreciated that the Security aspect of this scheme is of great importance. Germans who have been employed here might, at some future date, choose to return to Germany or go elsewhere, and there can therefore be no real safeguard against leakage of defence secrets which they may acquire while working here. Security arrangements affecting the Germans must therefore be so framed as to reduce to the absolute minimum the knowledge they acquire of our own work and intentions. The general principles which must be adhered to have been laid down by the Security Service, and are given in Appendix D.

10. It will be noted from Appendix A that clause (a), regarding the German's political record, imposes a stringent condition on the operation of both schemes. This condition has given rise to particular difficulty in some cases. It has been possible in one or two cases to overcome the letter of this ruling by obtaining the approval of the Security Authorities to special security arrangements and by reporting each case to the Minister for his personal approval. These special security arrangements take the form of more complete segregation of the Germans from the British staff at the Establishment, both as regards working and living conditions.

11. Questions concerning German scientists required for interrogation and/or employment are dealt with by S.R.2. on the Munitions side of the Ministry and all enquiries should be addressed to them. S.R.2. work in close contact with the Branch dealing with "Darwin Panel" scientists (C.5), with the Air side, and with other Ministries.

S.R.2.
Shell Mex House,
Room 1041, Ext. 984.
1/12/46.

Regarding the employment of Dr. Ziebland, and no undertaking in this respect.

W44/1

D.M.R.R.D. (For attention of Dr. Harrison).

Herr H. Ziebland - salary.

In response to your telephoned request to Dr. Johnson for further support for the proposal to increase Ziebland's salary, the following points are made.

1. Ziebland is making a first class contribution, both theoretical and practical, to fundamental studies of the physical and physico-chemical behaviour of gases at high temperatures (and of liquids at low temperatures), bearing particularly on the problems associated with cooling the rocket motor. On the subject of heat transfer no other scientist at this Establishment possesses his wide knowledge; his familiarity with engineering design and past experience of Proofstand work in Germany are also exceedingly valuable.
2. Our recommendation (minute W44/1 dated 24th November 1948) was for a special increase in salary to £775, but we were headed off this after a talk with Marchant, during which he said that the Treasury would take a poor view of any increment proposal, and that because of this, we would be better to go for the £800 + recommendation right away, although we had been prepared to withhold this for perhaps a year until more definite information about future conditions of employment for German Scientists became available.

If, in fact, the Treasury can be persuaded to entertain an immediate increase to £775, we think this would be fair to Ziebland and that he would accept it and sign the contract; then we would consider special grading and an advance to £800 + as a longer term policy.

3. On the question of equivalent British grading, we have already said that his work approaches in quality and responsibility that of a P.S.O. Making due allowance for Marchant's remark that "the Treasury have never permitted German scientists to be paid as much as their British equivalents" it does not seem unreasonable to us to suggest £775 since the salary scales are -

S.S.O.	£700 - 900	} London
P.S.O.	£950 - 1250	

Even at £800 he would only be half way up the S.S.O. scale.

4. This matter is urgent. Ziebland's last contract expired on 10th December 1948. P.D.S.R.D(D), on being acquainted with the position recently, asked that the matter should be taken up at once.

Waltham Abbey.
13.1.49

Sgd. *S.A. Moore*
for C.S./D.R.D.E.

Despatched 13.1.49
H.D.