

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

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COUNTRY	USSR (Leningrad Oblast)	REPORT	
SUBJECT	Organization and Personnel of NII 49 and Other Institutes in the Leningrad Area	DATE DISTR.	1 October 1953
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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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**S E C R E T**  
SECURITY INFORMATION

REPORT

50X1-HUM

COUNTRY : USSR

DATE DISTR. 23 JULY 53

SUBJECT : Organization and Personnel of NII 49 and Other Institutes in the Leningrad Area

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THIS IS UNEVALUATED INFORMATION

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CONTACT WITH OTHER GERMAN GROUPS LIMITED

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1. [Redacted]

[Redacted] contacts with [Redacted] German groups were limited and of a social nature. The restricted conditions under which [Redacted] Germans lived in Leningrad prevented any extensive social mixing and limited [Redacted] social contacts.

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2. While in the USSR, several Germans from NII 49 organized a small music group and occasionally gave recitals, which were attended by most of the Germans from NII 49 and a number of Germans from the other Soviet installations in Leningrad. These soirees, Russian plays, operas, and ballets offered the Germans in this city an opportunity to meet one another and maintain a degree of social intercourse.

SKB GROUP

3. The SKB group (Spezialnoye Konstruktionnoye Buro), Special Design Bureau, was engaged in the research and development of gas turbines for ocean-going vessels. The entire group, while still in Germany, was employed with Walther and Co. in Kiel, Germany, and was engaged in similar activities.

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These Germans were deported to Leningrad in August 1948 under a special contract. There were nine specialists with their families, approximately 34 persons, who came to the USSR for this project. The entire SKB group lived and worked in the same apartment house occupied by the Germans who worked in NII 49.

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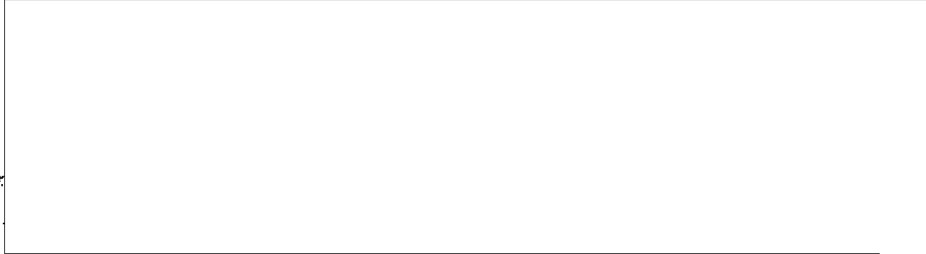
4.



specialists who were in the SKB group. Not all of these have returned.

DETTKE, Paul; master mechanic; speciality--assembly and construction of gas turbines; formerly with the Soviet Naval Turbine Firm, Blanckenburg

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KEPPEL, Ernst; mechanical Ing.; design specialist of gas turbines for vessels; formerly with the Soviet Naval Turbine firm in Blanckenburg;



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KRAGE; Mech. Ing.; naval engines maintenance officer; formerly with the Soviet Naval Turbine Firm in Blanckenburg;



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MENSSEN, Ernst; Mech. Ing.; designer of gas turbines for vessels; formerly with the Soviet Naval Turbine Firm in Blanckenburg;



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NATHAUS; master mechanic; specialized in naval gas turbines; formerly with the Soviet Naval Turbine Firm in Blanckenburg; age--48



SCHUMACHER, Mech. Ing.; shipbuilding engineer; formerly with the Soviet Naval Turbine Firm in Blanckenburg;



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SZTATECZNY, Dr. Mech. Ing.; thermo-dynamics specialist; formerly with Soviet Naval Turbine Firm in Blanckenburg

[Redacted]

TROMPKE, Dipl. Mech. Ing.; thermo-dynamics specialist; formerly with the Soviet Naval Turbine Firm in Blanckenburg; salary

[Redacted]

WEISSENBERG, Alfred; Mech. Draftsman; formerly with the Soviet Naval Turbine Firm in Blanckenburg

[Redacted]

INSTITUTE 400

5. The members of Institute 400 were engaged in research and development in the field of torpedo propulsion. This entire group, with the exception of two persons, indicated below, lived in a section of Leningrad called Oranienbaum and worked at Institute 400

6. There were approximately 30 German specialists in this group

KROCHMANN, Eduard; Dr. Elect. Ing.; high frequency specialist; formerly with A.E.G., Berlin, he worked in the high frequency laboratory of Institute 400

LAVITSCHKA; Dipl. Mech. Ing.; torpedo propulsion specialist; former German naval technical advisor in Eckenfoerde; chief of German specialists group of Institute 400

LUEBCKE, Ernst [STIB source]; prof. Dr. Physicist; acoustics specialist

MISLIVECEK; Dipl. Mech. Ing. he was formerly with Eckenfoerde north of Kiel; engaged in torpedo and naval missiles development at Institute 400

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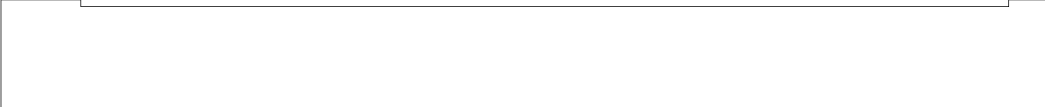
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SCHMIDKE, Anton; Dr. Ing. Elect.; theoretician in field of torpedo propulsion; did his theoretical work at home although employed at Institute 400 [redacted] 50X1-HUM



DILL, Christofer

GRAEFE

HERMANN, Frau, whose husband is still in Leningrad

JOHN, who, en route to Germany, was turned back at Brest and returned to Leningrad for allegedly not having proper documents.

HEINZERLING, also turned back at Brest

MAECKBACH [redacted]

50X1-HUM

PROMNITZ, Frau, whose husband is still in Leningrad

SIMMEL, Anita, draftswoman

The following persons are [redacted] still in Leningrad: 50X1-HUM

GUTSCHE

HILDEBRANDT [redacted]

50X1-HUM

KROLL

MARTIN

SEDLER

SIMMEL [redacted]

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ZEISS GROUP

7. The Zeiss group was composed of German specialists, who were forcibly deported in October 1946 to work in Leningrad in an optical institute. This institute was engaged in the research, development, and production of optical equipment. This group lived in a section of Leningrad called Shemilovka, in a housing project belonging to a machine plant called "Bolshevik". The group worked in two plants: Goms, which was located somewhere near the Finnish railroad station, and Progress [redacted] 50X1-HUM

8. [redacted] members of this group:

DIETRICH; formerly with Zeiss. Jena; with Goms Plant in Leningrad;



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**FRIEBE; Mech. Ing.; designer in optics field; formerly with Zeiss.  
Jena; at Gomz Plant** [redacted] 50X1-HUM

**JOHN; specialist in quartz problems; at the Gomz Plant in Leningrad;**  
[redacted]

**KRESSE; Mech. Ing.; formerly with Zeiss, Jena; at the Gomz Plant  
in Leningrad** [redacted] 50X1-HUM

**KUEHNE, Dr. Physicist; theoretician in optics field; formerly with  
Zeiss, Jena; at Gomz Plant in Leningrad** [redacted] 50X1-HUM

**SCHUBERT; at Gomz Plant in Leningrad** [redacted] 50X1-HUM

**STRAUBE; Mech. Ing.; designer in optical field; formerly with Zeiss,  
Jena; at Gomz Plant in Leningrad** [redacted]

**LESNOY INSTITUTE**

9. Lesnoy Institute, German specialists group, was engaged in research and development in the field of electronics. The group lived on Engels Prospect in Leningrad.

10. The following is a list of these individuals:

**AMMON; Dr. Ing.; specialist in telecommunications; still in the USSR;**  
[redacted] 50X1-HUM

**FEUSTNER; designer in telecommunications field; formerly with  
Telefunken, Berlin** [redacted] 50X1-HUM

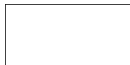
**GROSS; Dr. Elect. Ing.; specialist in telecommunications; formerly  
with Mercedes-Benz in Berlin; with the "Svetlana" Plant in Leningrad  
(a branch of Lesnoy)** [redacted]

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**KAUFMANN; Dr. Philosophy; specialist in telecommunications; former<sup>ly</sup> Siemens Lab. chief in Berlin** [redacted] 50X1-HUM



**KOTOWSKI, Paul; Dr. Ing.; specialist in telecommunications; formerly with Telefunken in Berlin** [redacted]



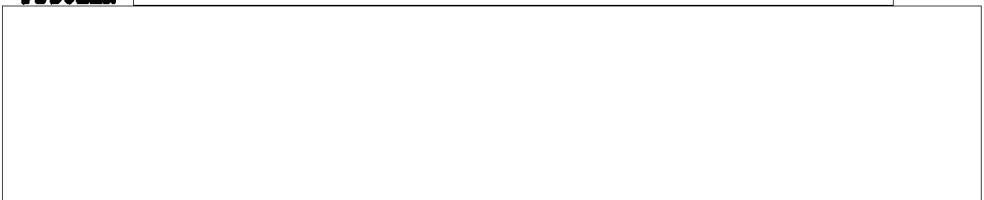
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**KOTOWSKI; specialised in telecommunications at the Svetlana Plant in Leningrad, a TV tube development plant (a branch of Lesnoy he is still in Leningrad.** [redacted] 50X1-HUM



- 11. In addition to the above-mentioned groups, there were two German specialists, who lived apart and did not belong to any specific German group. These individuals were:

**FISCHER** [redacted] 50X1-HUM



**ROTHE. He was formerly employed at the Naval Base in Danzig in 1945 and worked at a Soviet shipyard somewhere in Leningrad.** [redacted]



**INSTITUTE 49** [redacted] 50X1-HUM

- 12. The NII 49 group consisted of 20 German specialists with their families and was engaged in the research and development of control mechanisms for guided missiles. [redacted] The entire group, 50X1-HUM with the exception of **MUNKERT**, was repatriated in February 1953 [redacted]

- 13. It is interesting to note that none of the members of NII 49, Leningrad, were forced or asked to sign any statement or document which would require [redacted] to maintain silence about [redacted] activities in the USSR. [redacted]



- 14. [redacted] members of this group: [redacted] 50X1-HUM

**ASLER, Friedrich, Elect. Ing.; specialist in electro-servo motors; formerly with Kreiselgeraete, Berlin; worked on development of electro-servo motors for guided missiles** [redacted]



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BACHER, Otto; elect. Ing.; Designer of transmission systems and electrical control boards; formerly with Kreiselgeraete, Berlin; worked in the design department under LANGENBACH

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BIELECKE, Fritz; Elec. Ing.; formerly with Kreiselgeraete, Berlin; worked on servo-mechanisms development under Dr. KINDLER

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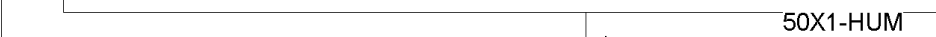


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BOEGEL, Karl; Dr. of Math. and Physics; theoretician in mathematics of guided missiles; formerly with Kreiselgeraete, Berlin; independent mathematician and theoretician for entire plant in field of guided missiles and remote control



BOEHM, Helmut; Mech. Ing.; designer of small gyroscopic instruments; formerly with Kreiselgeraete, Berlin; worked in the design department



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ENDERT, Hans; Lab. Technician; formerly at Bleicherode; worked in the electrical development lab. under Dr. KINDLER



GOLMERT, Paul; Mech. Ing.; designer of small gyroscopic pendulums; formerly with Kreiselgeraete, Berlin; worked in the gyroscopic department under NUERNBERG

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HESLER, Herbert; Elec. Ing.; field test specialist of assembled missiles; formerly at GEMA, Berlin Koepenick; worked in the electrical development lab. under Dr. KINDLER



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KINDLER, Heinrich Dr. Physics; developer of computers for guided missiles; formerly with Kreiselgeraete, Berlin; was chief of the electrical lab. for development of electrical computers



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LAEMMER, Hans [REG-168], Elec. Ing.; specialized in assembly of gyroscopic guidance systems in rockets; formerly with Kreiselgeraete, Berlin; was chief of the final assembly department (plans section);



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LANGENBACH, Erich; Mech. Ing.; designer of gyroscopic instruments; formerly with Kreiselergeraete, Berlin; was chief of the design department at NII 49

[Redacted]

MUMMERT, Herbert; Mech. Ing.; formerly with Kreiselergeraete; was chief of the entire German specialists group at NII 49

[Redacted]

NIELBOCK, Helmut; Mech. Ing.; designer of electrical equipment; formerly worked at Peenemuende and Bleicherode; worked in the design department under LANGENBACH

[Redacted] 50X1-HUM

MUERNBERG, Heins; Elec. Ing.; formerly with Kreiselergeraete, Berlin; worked in the gyroscope department, NII 49, on the development of launching platforms and gyroscopic instruments

[Redacted] 50X1-HUM

ROTHER, Eberhard, Elec. Ing.; designer of precision electrical instruments; formerly with Kreiselergeraete, Berlin; worked under LANGENBACH in the design department of NII 49

[Redacted] 50X1-HUM

RUEDLIN, Joachim, Dipl. Ing. (Elec.); high voltage engineer specialist; formerly at Bleicherode; worked in electrical development under KINDLER

[Redacted] 50X1-HUM

THOMNESSEN, Joseph [REG-171]; Elect. Ing.; high frequency and impulse specialist; formerly with GEMA, Berlin; worked in the Soviet group whose work paralleled that of the German development group

[Redacted] 50X1-HUM

WILDE, Ernst; physicist; specialist in high vacuum field; formerly at Lorens, Berlin; worked in the Soviet group whose work paralleled that of the German development group

[Redacted] 50X1-HUM

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WOLFF, Hermann; Dr. Ing.(physicist); high frequency and impulse specialist, possibly radar; formerly with AEG, Berlin; worked with the Soviet group whose work paralleled that of the German group;



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WOLTER, Fritz; Elec. Ing.; developer of electro-servo motors; formerly with Kreis geraete, Berlin; worked in the electrical development under Dr. KINDLER



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15. [Redacted] Soviet personalities [Redacted] were employed at NII 49, Leningrad:

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BISTROW ; elec. Ing.; high frequency specialist; technical advisor in Soviet high frequency laboratory

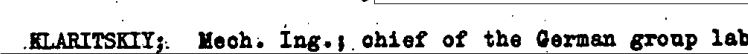
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KASOV; elec. Ing.; computer, servo-mechanism specialist; worked in the Soviet Parallel group in the computer laboratory



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KATS, Elec. Ing.; computer, servo-mechanism specialist; worked in Soviet Parallel laboratory



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KLARITSKIY; Mech. Ing.; chief of the German group laboratory



MITROPANOV; Elec. Ing.; servo-mechanisms specialist; chief of the Soviet parallel group laboratory until January 1953



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MONGAYT; Elec. Ing.; servo-mechanisms specialist; worked in the Soviet parallel lab.



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PECHURIN, V.F.; possibly specialist in gyro field



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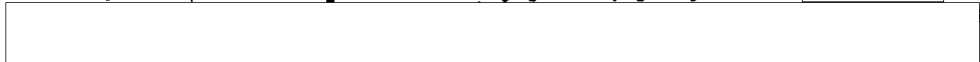
RAGUZOV; ; Dr. Elec. Ing.; servo-mechanisms specialist; was with the Soviet parallel group until 1950, then left NII 49 for an unknown place of employment



SHARIN; director of Institute 49



ULYANOV chief of the plant security police; party member



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ZAKHAROV Elec. Ing.; worked in the German group laboratory on gyros until summer 1948; age--44



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ZAITSEV; Mech. Ing.; Chief of the Third Dept. under whose supervision the German group worked



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ZENOV, Vladimir; handyman; worked in the German group laboratory until August 1952



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CHURINA (female); Elec. Ing.; computer, servo-mechanism specialist; worked in the Soviet parallel laboratory



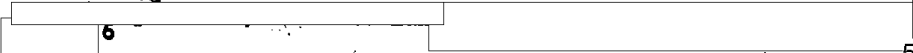
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ZHUCHKOV; chief of the personnel department handling all matters of personnel administration



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?, Anton Stepanovich; librarian of the Technical Library of NII 49



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ORGANIZATION OF INSTITUTE 49

16. [redacted] an organizational chart of Institute 49, which shows the probable structure of the Institute (see page 12). The German specialists were completely isolated from all departments other than the German Third Department; therefore, an accurate description cannot be given. Generally speaking, the German group was not organized strictly according to normal departmental procedures.

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[redacted] It was common knowledge that the Soviets had a parallel department performing the same research as the German group. It was headed by a Soviet named MITROPANOV. This man was directly responsible to the chief of the Third Department, a Soviet named ZAITSEV, in whose department the German group worked.

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[redacted] the Institute was divided into about 12 departments, each headed by a Soviet chief. The German group was in Department Three (see page 13).

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17. From casual conversations, it was possible to assume that the various departments were divided into three sections: laboratories, shops, and design offices. The German section was divided into four sections: computer laboratory, plans section, gyro laboratory, and design department. The Soviet parallel section very probably had the same structure. The German group was headed by a German specialist named MUMBERT, whose authority and position was almost always overlooked, and whose technical capabilities were very limited. All questions which required a decision

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or clarification, were always directed to his immediate superior, KLARITSEY, whose chief was ZAYTSEV. MUMMERT was not considered an authority on any questions in the field of our endeavor, and was consequently ignored.

GERMANS EMPLOYED IN SOVIET LABORATORIES

18. The German specialists THOENNESSEN [redacted] and WOLFF worked in the Soviet high frequency laboratory under the supervision of MITROPANOV until 50X1-HUM late 1949 or early 1950. They then joined the German group proper, and worked directly under the Germans' immediate Soviet superior, KLARITSEY, without any responsibility to the chief of the German group, MUMMERT. WOLFF's work dealt with theoretical problems encountered in digital computers. THOENNESSEN's work was with computer calculations. NIELBOCK, another German specialist, worked in the Soviet parallel high frequency laboratory as an electrical designer until late 1949 or early 1950. He then joined the German group and worked directly under LANGENBACH in the design department. WILDE, until September 1952, worked in a Soviet department engaged in the final assembly and construction of electronic tubes. His work involved spectrosopes. He then joined the German group and worked in the design department under the German specialist, LANGENBACH.

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19. None of the Germans who worked in Leningrad had any desire to become friendly or close to the Soviets. [redacted]

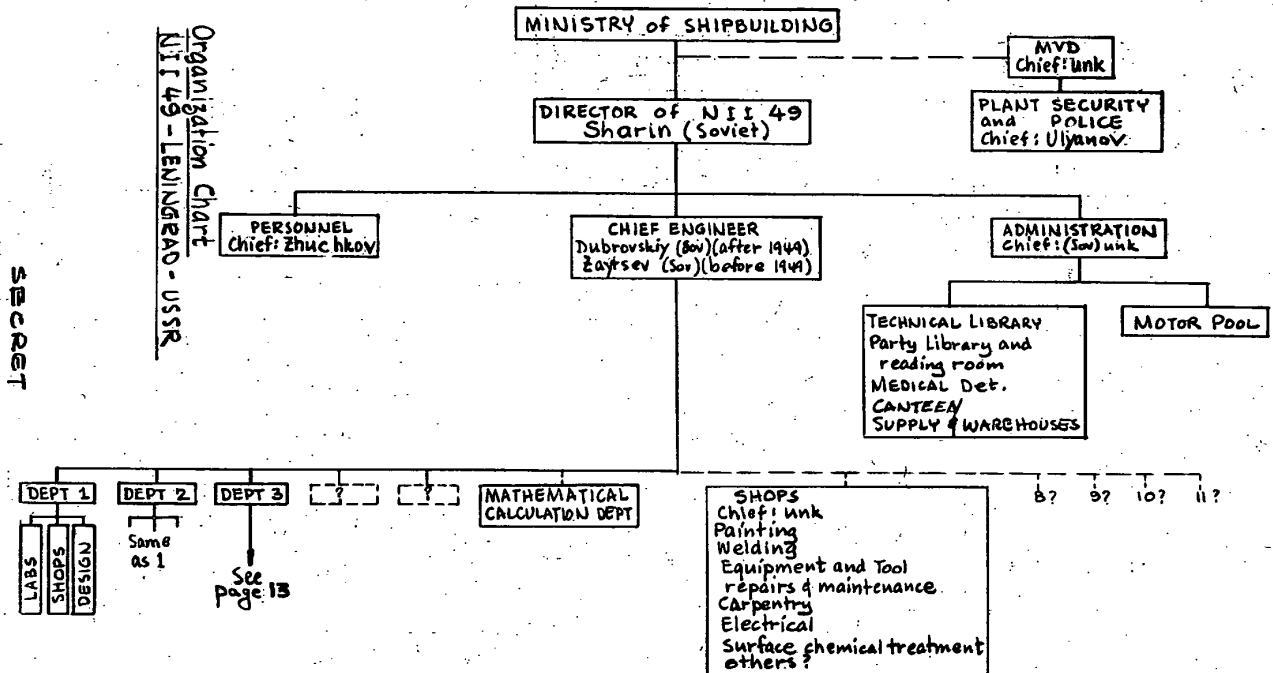


[redacted] Any curiosity on the part of any employee in the Institute was immediately regarded as an act of subversive activity, punishable with either a heavy fine or even prison sentences, or both. [redacted]

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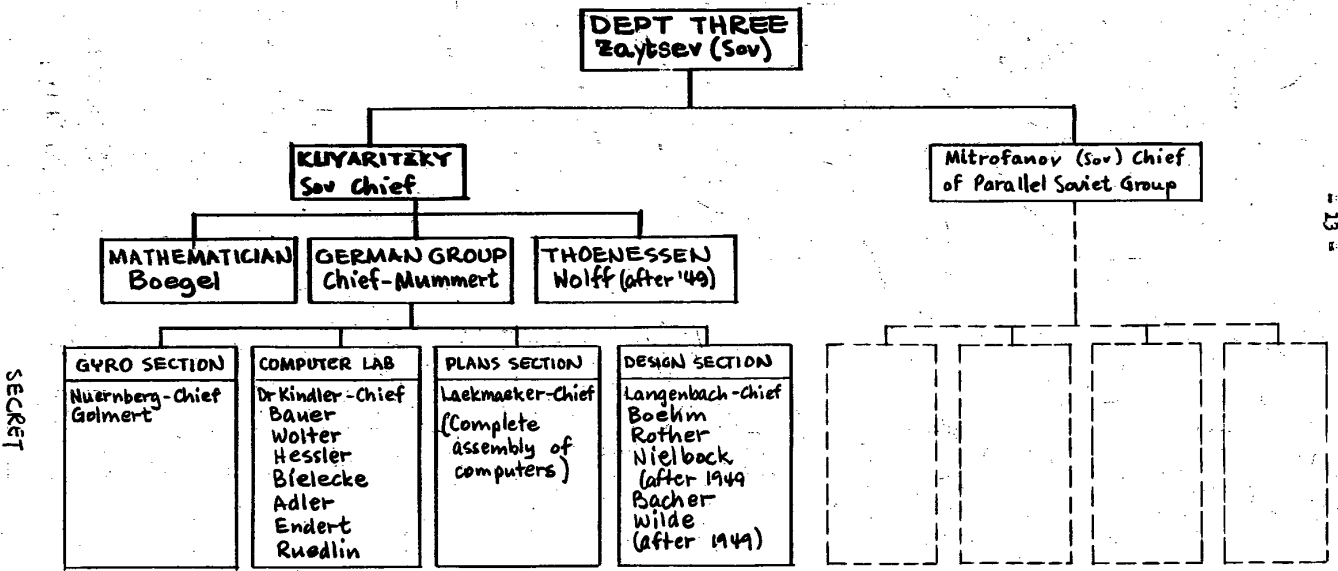
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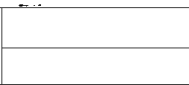





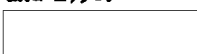
Organization Chart of Department Three  
NII 49 at Leningrad - USSR

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1.  Comment. This is an incorrect attempt to Russianize this 50X1-HUM  
title which was originally a German designation. The correct title is 50X1  
Special Construction Bureau (Sonderspeziell Konstruktion Büro).
2.    50X1-HUM  
50X1
3.  Comment. This is identical with Lomonosov.
4. 
5.  Comment. There is a Vasilij Fedoseyevich Pechurin who won  
Stalin Prizes for inventions in the field of Transportation and Com-  
munications in 1941 and 1950.
6.  Comment.  Stepanovich was reported as the 50X1  
librarian's family name. It is much more likely, however, that this 50X1-HUM  
is his patronymic name and that his last name is unknown.

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