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SECURITY INFORMATION

9360

ECONOMIC INTELLIGENCE HANDBOOK
STATISTICAL SUMMARY

CIA/RR IP-341

25 August 1953

CENTRAL INTELLIGENCE AGENCY
OFFICE OF RESEARCH AND REPORTS

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W A R N I N G

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ECONOMIC INTELLIGENCE HANDBOOK

STATISTICAL SUMMARY

CIA/RR IP-341

(ORR Project 11.1.1)

NOTICE

This compilation was prepared primarily for use in ORR and is not a formal ORR publication. Some of the estimates contained herein have not been reviewed or coordinated in ORR.

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FOREWORD1. Objective and Scope.

The Economic Intelligence Handbook, Statistical Summary is a concise reference work in tabular form designed to supply data pertinent to the analysis and assessment of the economic strength of Soviet Bloc countries, individually and collectively. Ideally such a compilation should contain data pertaining to production, plans, capacity, trade, availability, consumption, inventory, stockpiles, and known reserves. Where the present edition falls short of this objective, it is hoped that missing data may be supplied at a future date. Textual commentary on some of the more important data contained in the present Statistical Summary will be found in the Economic Intelligence Handbook now in preparation.

2. Sources and Reliability.

Unless otherwise indicated, data in this publication are ORR estimates contained in the ORR Estimates File as of 1 April 1953. To provide a central source for up-to-date reference data, ORR analysts contribute all economic estimates to this file as they are made and submit quarterly reports revising or confirming previous estimates. Consequently, such estimates are provisional and subject to change and do not necessarily represent the final position of ORR. Where feasible, estimated ranges of accuracy have been stated in percentage terms. Absence of ranges indicates only that no such assessment of reliability has been made. If practicable, a bibliographical supplement relating to ORR estimates contained in this Statistical Summary will be issued at a later date.

To fill certain gaps in ORR estimates, data available from other sources have been used. CIA has made no attempt to coordinate these data with the originators and has made no evaluation of them. Some obviously are from more reliable sources than others. The sources of such unevaluated data are indicated by references (in arabic numerals) to the Appendix, where the sources are listed and numbered.

3. Boundaries.

Since the Soviet Bloc is relatively new and since significant boundary changes have occurred during the past quarter of a century, comparability of data becomes an important problem in analyzing some time series. Where possible, boundaries have been defined and comparability has been indicated in footnotes to individual tables. The map and territorial changes indicated in the area section (found on pages 1-3) should contribute to the resolution of other questions concerning comparability of data. Apparent discrepancies between officially announced total area figures and those computed on the basis of a summation of territorial changes probably are due to resurveys and to inaccuracy of prewar and wartime reporting.

4. Time Series.

No attempt was made in compiling the present handbook to adjust time series to take account of such problems as homogeneity of product and changes in reporting systems. Any adjustments for such factors known to have been made by analysts originally responsible for the estimates have been indicated in footnotes to individual tables.

5. Rounding.

Data in this report generally have been rounded where rounding would not result in more than a 5-percent difference in the number or in less than two significant figures. The fact that no assessment of the range of accuracy was available for many estimates made determination of the number of genuinely significant figures extremely difficult. Because of this fact and because of limitations of time, data in some tables have not been rounded in accordance with the general policy. More uniform and rigorous rounding procedures are anticipated for future editions of the Economic Intelligence Handbook.

6. Totals.

Totals for the European Satellites and the Soviet Bloc are merely summations of available data. Except in a few clearly indicated cases, no attempt has been made to adjust totals to compensate for gaps in country data. Totals are rounded summations of unrounded data. Hence they will not always agree with the sum of rounded figures appearing under individual country headings.

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GLOSSARY OF TERMS AND CONVENTIONS

Terms

Plan	Official plan data, sometimes derived from officially announced planned percentage increases over announced bases.
Availability	Stocks on hand plus production and imports minus exports.
Consumption	Domestic consumption from stocks, production, and imports.
Inventory	Total stocks on hand: that is, operational stocks plus normal and strategic reserves.
Known Reserves	Reserves underground or uncut.

Conventions

Asterisks	Asterisks designate data taken from non-CIA sources and not evaluated by ORR.
Blank Spaces	Blank spaces indicate that data are not available.
Underscoring	Underscoring identifies data officially published by Soviet Bloc governments and accepted as estimates by the ORR analysts concerned.

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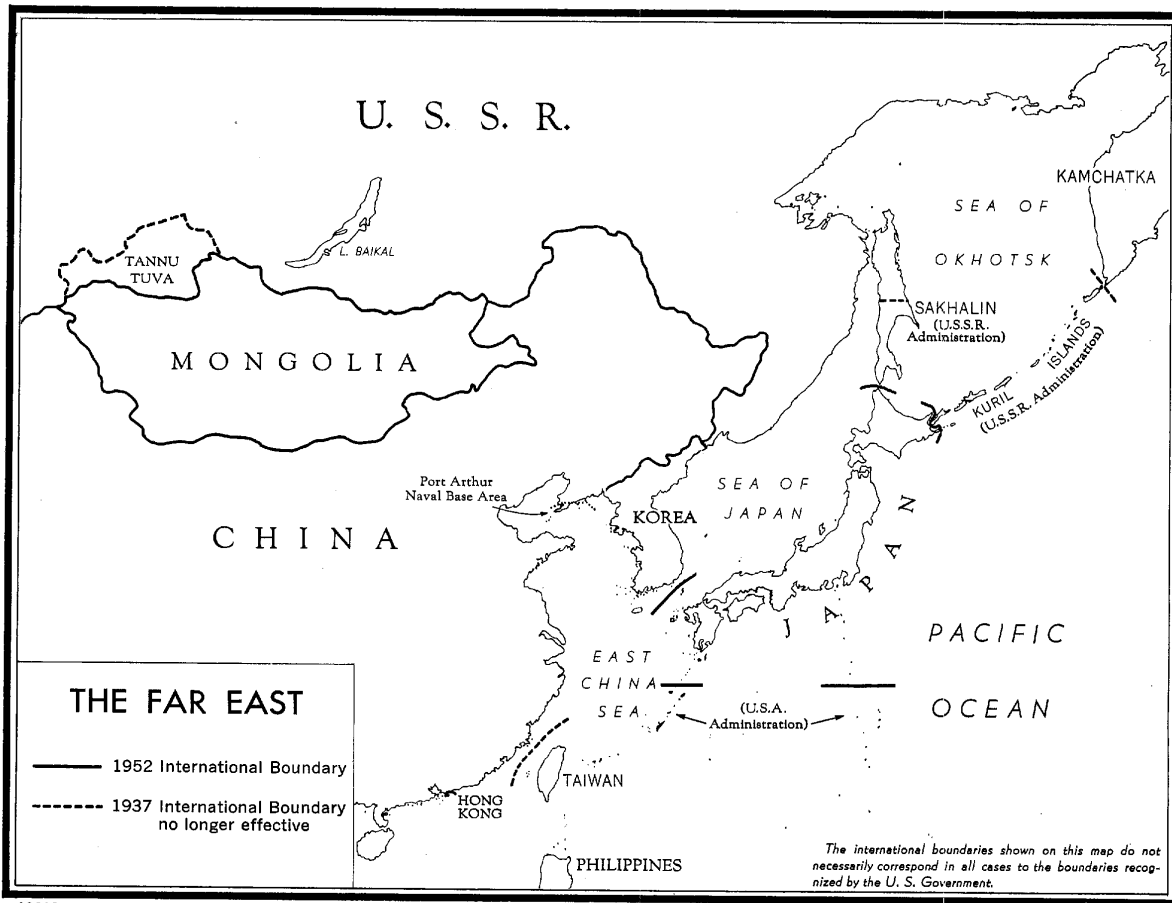
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AREA, POPULATION, BUDGET, AND
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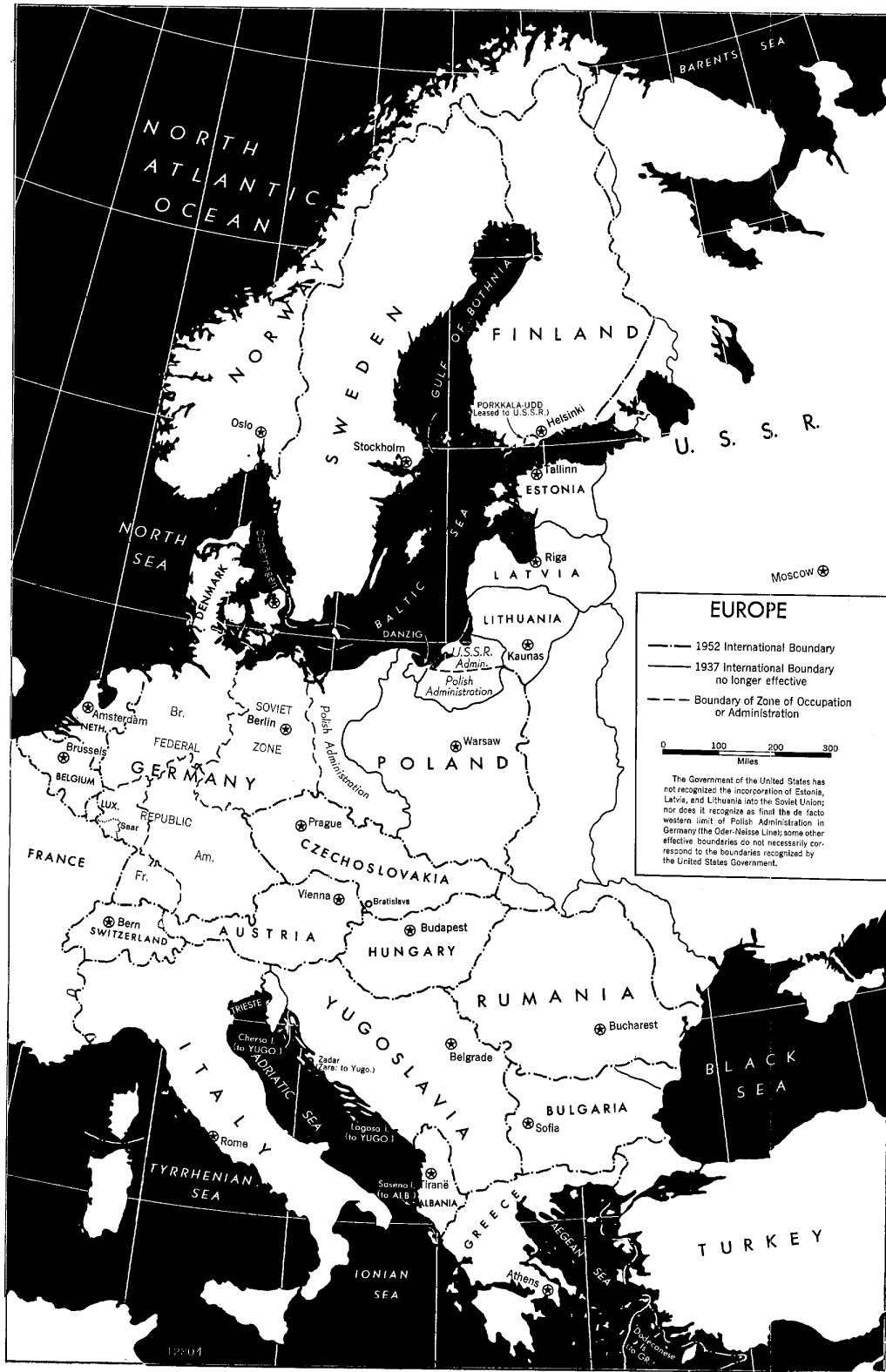
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AREA OF THE USSR AND SATELLITES

	Thousand Square Kilometers										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1937	34,030	21,420	11,562	1,048	28	103	141		93	388	295
1940	33,935	21,881	11,562	492	28	111			160		193
1945	34,717	22,103	11,598	1,016	28	111	128	107	93	312	237
1948 to 1953	32,866 ^{a/}	22,113	9,736 ^{b/}	1,017	29	111	128	107	93	312	237

- a. This figure does not include the 1,621,000 square miles of Outer Mongolia, separated from China in 1946. If Outer Mongolia is included, the total area of the Bloc is 34,487,000 square kilometers.
- b. This figure is for all of China, (see footnote a). The 36,000 square kilometers of Nationalist controlled Formosa must be subtracted to obtain a figure for Red China. Red China is estimated at 9,700,000 square kilometers.

USSR AREA CHANGES, 1937-1951

Year	Total Area	Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	21,420,210 ^{a/}				
1939	21,614,420	W. Ukraine (E. Poland) ^{b/} W. White Russia (E. Poland) ^{b/}	93,040 101,170		
1940	21,881,020	Karelia-Kola Front Bessarabia N. Bucovina Estonia ^{c/} Latvia ^{c/} Lithuania ^{c/}	43,690 45,100 5,810 16,560 65,690 59,750		
1941	21,930,110			Bessarabia N. Bucovina	45,100 5,810
1944	21,881,020	Bessarabia ^{d/} N. Bucovina ^{d/}	45,100 5,810		
1945	22,102,600	Tannu Tuva Kuril Islands ^{e/} S. Sakhalin ^{e/} Ruthenia ^{f/} Klaipeda Region ^{g/} Kaliningrad Oblast ^{g/}	168,940 10,010 33,380 12,780 2,820 15,070		
1947	22,113,200	Pechenga (Petsamo) Region	10,600	Polish Border ^{b/}	21,420
1951	22,113,200 ^{b/}	Polish Border	480	Polish Border	480

- a. 1/
- b. Eastern Poland was incorporated into the USSR by a USSR-Polish Treaty of August 1945. This treaty adjusted the line of Russian occupation of 1939, returning the area noted to Poland. The US was not a party to this agreement.
- c. The US Government does not recognize the incorporation of Estonia, Latvia, and Lithuania into the USSR. The Klaipeda Region (Memelland) is now included in the Lithuanian SSR.
- d. The Treaty of Peace with Rumania of 1947, signed by the US, confirms the cession of Bessarabia and Northern Bucovina to the USSR.
- e. Japan formally renounced title to the Kuril Islands and southern Sakhalin by the Peace Treaty. These areas are under Soviet administration.
- f. Ruthenia (Subcarpathian Ukraine) was incorporated into the USSR as a result of an agreement between the USSR and Czechoslovakia in June 1945. The US was not a party to this agreement.
- g. Kaliningrad Oblast (Northern East Prussia) was placed under the administration of the USSR as a result of the Potsdam Conference of 1945. In the view of the US Government, final determination of sovereignty cannot be made until there is a Peace Treaty for Germany.
- h. Recent corrections in area calculations by Soviet geographers would increase this figure slightly, giving the approximate total land area of the USSR as 22,136,000 square kilometers.

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CHINESE AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	11,562,184 b/				
1940	11,562,184				
1945	11,598,145	Formosa and Pescadores	35,961 c/		
1946	9,976,944			Outer Mongolia	1,621,201 c/
1948	9,736,288 d/				

- a. Date of Communist control of Mainland - 1949.
 b. Includes "Manchoukuo," Tibet, and Mongolia. 2/
 c. 3/
 d. This figure is for all China. Communist China would be represented by this figure less the area of Formosa, which is under Nationalist control. 3/

ALBANIAN AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	28,000 b/				
1940	28,000			(Occupied by Italy)	
1941	42,924	Yugoslavia and Greek Territory	14,924		
1945	28,000			Yugoslavia and Greek Territory	14,924
1947		Saseno	50/		
1948	28,748 d/				

- a. Date of complete Communist control - 1945.
 b. Area figure rounded to nearest thousand square kilometers. 4/
 c. By the Italian Peace Treaty of 1947, Italy renounced all claim to the island of Saseno in favor of Albania.
 d. 2/

BULGARIAN AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Area	
1937	103,000 b/				
1940	110,842 c/	S. Dobruja	7,696		
1941	139,092	Thrace and Macedonia	28,250		
1944	110,842			Thrace and Macedonia	28,250
1948	110,842 c/				

- a. Date of complete Communist control - 1946.
 b. Area figure rounded to nearest thousand square kilometers. 4/
 c. 3/
 d. The Treaties of Peace with Bulgaria and Rumania in 1947 validated the cession of Southern Dobruja to Bulgaria. The US was a party to these treaties.

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CZECHOSLOVAKIAN AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	140,600 b/				
1938	88,912			Sudeten Districts Teschen Parts of Slovakia and Ruthenia	51,688
1939	Non-Existent				
1945	127,765	Restored Independence		Ruthenia	12,780
1947	127,827	Bratislava Bridgehead c/	62		
1948	127,827 d/				

- a. Date of complete Communist control - 1948.
 b. Area figure to nearest hundred square kilometers. 4/
 c. The Treaty of Peace with Hungary of 1947, signed by the US, provides for the cession to Czechoslovakia of a small area south of the Danube near Bratislava.
 d. 3/

HUNGARIAN AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	93,073				
1938	105,073	Parts of Slovakia and Ruthenia	12,000		
1939	117,173	Ruthenia	12,100		
1940	160,273	Transylvania	43,100		
1941	171,773	Yugoslav Provinces	11,500		
1945	93,073			All Territory Gained, 1938-1941	78,700
1948	93,011 b/			Bratislava Bridgehead	62

- a. Date of complete Communist control - 1947.
 b. 3/

POLISH AREA CHANGES, 1937-1951 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	388,000 b/				
1938	389,086	Teschen	1,086		
1939	Non-Existent			E. Provinces (to USSR) W. Provinces (to Germany)	194,110 194,976 c/
1945	311,730 d/	Danzig e/ S. East Prussia e/ E. Germany e/ USSR Border	1,914 23,792 76,998 21,420	Teschen	1,086
1951	311,730	USSR Border	480	USSR Border	480

- a. Date of complete Communist control - 1947.
 b. Area figure rounded to nearest thousand square kilometers. 4/
 c. This figure, the residual area of Poland after the deduction of the Soviet-occupied territory, is presumably the area occupied by Germany, including both provinces incorporated into the Reich and the "General Government" of Poland.
 d. 3/ The addition of the postwar territorial gains to the area explained in footnote c gives an approximate area of 318,000 square kilometers. This discrepancy probably is due to unreliability of wartime figures.
 e. These areas were placed under Polish administration by the Potsdam Conference of 1945. In the view of the US Government, final determination of sovereignty over these areas will not be made until there is a Peace Treaty for Germany.

RUMANIAN AREA CHANGES, 1937-1948 a/

Year	Total Area	Square Kilometers			
		Territory Gained		Territory Lost	
		Name	Area	Name	Area
1937	295,000 b/				
1940	193,294			Bessarabia N. Bucovina Transylvania S. Dobruja	45,100 5,810 43,100 7,696
1941	244,204	Bessarabia N. Bucovina	45,100 5,810		
1944	193,294			Bessarabia N. Bucovina	45,100 5,810
1945	236,394 c/	Transylvania	43,100		
1948	237,384 d/				

- a. Date of complete Communist control - 1947.
 b. Area figure to nearest thousand square kilometers. 4/
 c. This figure for 1945 represents the rounded figure given for 1937 plus gains and minus losses. If accurate area data were available for wartime changes, this figure should agree with the official figure for 1948. No territorial changes occurred between 1945 and 1948.
 d. 3/

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TOTAL POPULATION AND EMPLOYMENT DISTRIBUTION OF THE SOVIET BLOC, AS OF 1 JANUARY 1953

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Average Annual Increase In Total Population 1946-1953	3,708	3,114	a/	594	24	53	128 b/	0	57	244	88
Total Population	782,296	210,800	480,000	91,496	1,295	7,337	12,929	18,500	9,421	25,639	16,375
Males, Ages 15-49 c/	193,503*	47,169*	124,900*	21,434*	352*	2,068*	3,204*	2,923*	2,431*	6,168*	4,286*
Physically Fit Males c/	112,420*	36,550*	61,200*	14,670*	240*	1,390*	2,390*	1,970*	1,600 *	4,160*	2,920*
Personnel in Military Service g/											
Total on Active Duty	9,934*	4,400*	3,906*	1,628*	51*	256*	223*	106*	232*	422*	338*
Army	7,588*	2,500*	3,776*	1,312*	40*	205*	185*	100*	185*	330*	267*
Navy	779*	700*	55*	24*	0.8*	2.4*		4.5*	1.5*	7.2*	7.5*
Airforce	922*	800*	75*	47*	0.11*	8.5*	8*	2*	10*	10*	8*
Security Police, Frontier Guards, etc.	646*	400*		246 *	10*	40*	30*		35*	75*	56 *
Trained Reserves	18,571*	8,500*	6,000*	4,071*	80*	450*	310*	6*	450*	1,500*	1,275*
Gainfully Employed Civilians											
Total	380,191	89,875	248,000	42,306	578	3,448	5,510	7,500	4,200	12,720	8,350
Agricultural Labor Force	280,804	48,000	211,000	21,804	454	2,500	1,950	2,000	1,850	7,250	5,800
Non-Agricultural Workers and Employees	99,387	41,875	37,000	20,502	124	948	3,560	5,500	2,350	5,470	2,550
Unskilled Urban Workers		27,825		15,424	102	583	2,317	3,838	1,746	3,844	1,820
Skilled Urban Workers		8,650		4,159	12	220	846	1,163	387	1,106	425
Professional Managerial Personnel		5,400		2,093	10	145	397	499	217	520	305
Industry, Mining, and Construction d/		17,750		12,542		434	2,638	3,400	1,420	3,050	1,600

- a. The population of China was held constant as births and deaths are about in balance and migration is unpredictable.
 b. Average annual increase for the years 1947-1953.
 c. Data pertaining to males and to personnel in military service are estimates made between 1 July 1952 and 1 February 1953. They do not apply specifically to 1 January 1953. 5/
 d. The above data include unskilled and skilled workers and professional managerial personnel engaged in industry, mining, and construction. The estimates are for 1 January 1952.

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POPULATION AND EMPLOYMENT

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Total Population											
1946	757,228	189,000	480,000	88,228	1,130	6,965	12,916	18,500	9,025	23,930	15,762
1947	758,868	191,100	480,000	87,768	1,160	7,020	12,164	18,800	9,076	23,700	15,848
1948	761,773	193,400	480,000	88,373	1,175	7,075	12,252	19,100	9,136	23,700	15,935
1949	766,323	196,900	480,000	89,423	1,190	7,130	12,396	19,100	9,207	24,377	16,023
1950	770,231	200,400	480,000	89,831	1,210	7,219	12,536	18,800	9,258	24,697	16,111
1951	773,993	203,800	480,000	90,193	1,235	7,264	12,671	18,500	9,311	25,044	16,198
1952	778,096	207,300	480,000	90,796	1,265	7,247	12,802	18,500	9,367	25,328	16,287
1953	782,296	210,800	480,000	91,496	1,295	7,337	12,929	18,500	9,421	25,639	16,375
Gainfully Employed Civilians											
1947		84,200			526	3,419	5,400	6,930	3,500	10,580	7,100
1948		85,400			533	3,481	5,200	6,550	3,550	10,628	7,200
1949		86,400			542	3,509	5,289	6,550	3,700	11,155	7,400
1950		87,200			550	3,515	5,296	6,900	3,870	11,800	7,663
1951		88,200			560	3,491	5,369	7,100	4,043	11,990	8,043
1952		88,800	248,000		569	3,467	5,434	7,450	4,100	12,500	8,203
1953		89,875			578	3,448	5,510	7,500	4,200	12,720	8,350
Agricultural Labor Force											
1947		52,000			480	2,700	2,200	2,200	2,100	7,400	6,000
1948		52,000			480	2,700	2,200	2,200	2,050	7,400	6,000
1949		51,000			478	2,700	2,200	2,200	2,000	7,400	6,000
1950		50,000			467	2,650	2,127	2,150	1,950	7,350	5,950
1951		49,000			464	2,600	2,050	2,100	1,900	7,350	5,900
1952		48,000	211,000		458	2,550	2,000	2,000	1,850	7,300	5,850
1953		48,000			454	2,500	1,950	2,000	1,850	7,250	5,800
Non-Agricultural Labor Force											
1947		32,200			46	719	3,200	4,730	1,400	3,180	1,100
1948		33,400			53	781	3,000	4,350	1,500	3,228	1,200
1949		35,400			64	809	3,089	4,350	1,700	3,755	1,400
1950		37,200			83	865	3,169	4,750	1,920	4,450	1,713
1951		39,200			96	891	3,319	5,000	2,143	4,640	2,113
1952		40,800	37,000		111	917	3,434	5,450	2,250	5,200	2,353
1953		41,875			124	948	3,560	5,500	2,350	5,470	2,550

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OCCUPATIONAL DISTRIBUTION OF NON-AGRICULTURAL WORKERS AND EMPLOYEES IN THE USSR, 1947-1953 ^{a/}

	Thousands						
	1947	1948	1949	1950	1951	1952	1953
Workers and Employees	32,200	33,400	35,400	37,200	39,200	40,800	41,875
I Industry	9,900	10,700	11,800	12,500	13,700	14,400	14,675
Electric Power	273	286	299	312	325	330	335
Petroleum	300	300	300	300	300	307	314
Coal	280	380	925	930	950	950	950
Ferrous Metallurgy	300	465	627	785	890	908	926
Non Ferrous Metallurgy	235	270	310	345	375	385	395
Metal Working, Machine Construction	3,700	3,900	4,100	4,300	4,500	4,635	4,770
Timber	420	430	440	450	460	469	478
Chemical	132	198	264	328	390	398	406
Textile	500	600	800	900	1,000	1,014	1,028
Fish	141	152	167	178	189	193	197
Food	725	850	975	1,100	1,200	1,224	1,248
Meat and Dairy	210	220	235	245	254	259	264
Paper	85	90	100	105	110	110	110
Industry, n.e.c.	2,599	2,559	2,268	2,222	2,757	3,218	3,254
II Construction	2,600	2,600	2,750	2,950	3,000	3,350	3,200
III Rail Transport	1,750	1,800	1,850	1,950	2,000	2,050	2,100
IV Water Transport	215	215	220	225	230	235	237
V Other Transport	2,425	2,425	2,450	2,475	2,500	2,525	2,600
VI Education	2,550	2,650	2,800	3,000	3,200	3,400	3,600
VII Public Health	1,300	1,350	1,400	1,450	1,500	1,550	1,610
VIII Trade	2,970	2,970	2,980	3,040	3,100	3,160	3,260
IX Public Feeding	970	970	980	990	1,000	1,010	1,110
X Credit	335	335	340	345	350	355	365
XI Dwelling, Communal Economy	1,140	1,140	1,160	1,180	1,200	1,220	1,265
XII State and Public Institutions	2,170	2,170	2,180	2,190	2,200	2,210	2,230
XIII Art	235	235	240	245	250	255	265
XIV Communications	570	570	580	590	600	610	640
XV State Agriculture, Forestry	1,600	1,800	2,200	2,600	2,900	3,250	3,280
XVI Other, n.e.c.	1,470	1,470	1,470	1,470	1,470	1,420	1,438

a. Figures for total non-agricultural workers and employees may be regarded as official statistics. The number of workers and employees as of 1 January 1951 and 1 January 1952 were contained in the announcements of the fulfilment of the Fourth Five Year Plan (1946-1950).

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USSR BUDGETS, 1949-1952 ^{a/}

	Billions of Current Rubles						
	1949		1950		1951		1952
	Plan	Actual	Plan	Actual	Plan	Actual	Plan
EXPENDITURES							
National Economy	152.5 ^{b/}	161.9 ^{b/}	164.4 ^{b/}	157.3 ^{b/}	178.5 ^{b/}	179.4 ^{b/}	180.4 ^{b/}
Industry	75.5 ^{b/}		85.3 ^{b/}				
Agriculture	32.7 ^{b/}	30.8 ^{b/}	36.6 ^{b/}	34.3 ^{b/}	39.0 ^{b/}		34.7 ^{b/}
Transportation	11.7 ^{b/}		15.0 ^{b/}				
Trade and Procurement	6.5 ^{b/}	7.9 ^{b/}	9.3 ^{b/}		11.2 ^{b/}		
Communal Housing	6.0 ^{b/}		6.0 ^{b/}				
Others	17.1 ^{b/}		12.2 ^{b/}				
Social-Cultural	119.2 ^{b/}	116.0 ^{b/}	120.7 ^{b/}	116.8 ^{b/}	120.8 ^{b/}	118.9 ^{b/}	121.8 ^{b/}
Education and Scientific Research	60.8 ^{b/}		59.9 ^{b/}		59.0 ^{b/}		60.0 ^{b/}
Social Assistance	21.4 ^{b/}		22.4 ^{b/}		22.3 ^{b/}		
Social Insurance	16.6 ^{b/}	16.7 ^{b/}	18.1 ^{b/}		21.1 ^{b/}		
Health and Physical Education	21.6 ^{b/}		22.0 ^{b/}		21.9 ^{b/}		22.8 ^{b/}
State Administration	13.7 ^{b/}	13.5 ^{b/}	13.9 ^{b/}	13.8 ^{b/}	14.3 ^{b/}		14.4 ^{b/}
Central		7.7 ^{b/}					
Local		5.8 ^{b/}					
Defense	79.2 ^{b/}	79.2 ^{b/}	79.4 ^{b/}	82.9 ^{b/}	96.4 ^{b/}		113.8 ^{b/}
MVD and MGB	23.8 ^{b/}		21.3 ^{b/}				
Loan Service	4.5 ^{b/}		5.5 ^{b/}		7.0 ^{b/}		8.9 ^{b/}
Reserve Fund for Council of Ministers	10.0 ^{b/}		6.1 ^{b/}				
TOTAL	415.4 ^{b/}	412.3 ^{b/}	427.9 ^{b/}	412.7 ^{b/}	451.5 ^{b/}	441.3 ^{b/}	476.9 ^{b/}
REVENUES							
Primary Sources	351.3 ^{b/}	349.0 ^{b/}	347.3 ^{b/}	343.3 ^{b/}	368.8 ^{b/}		411.7 ^{b/}
Turnover Tax	262.1 ^{b/}	245.5 ^{b/}	239.1 ^{b/}	236.1 ^{b/}	244.9 ^{b/}	247.8 ^{b/}	260.0 ^{b/}
Profit Tax	29.5 ^{b/}	42.2 ^{b/}	40.0 ^{b/}	40.4 ^{b/}	47.3 ^{b/}	47.8 ^{b/}	61.8 ^{b/}
Direct Tax on Population	36.6 ^{b/}	33.7 ^{b/}	36.1 ^{b/}	35.8 ^{b/}	43.4 ^{b/}		47.4 ^{b/}
Loans	23.3 ^{b/}	27.6 ^{b/}	31.8 ^{b/}	31.0 ^{b/}	33.4 ^{b/}	34.5 ^{b/}	42.5 ^{b/}
Secondary Sources	94.7 ^{b/}	88.0 ^{b/}	85.8 ^{b/}	78.8 ^{b/}	89.9 ^{b/}		97.3 ^{b/}
Customs-Reparations	22.4 ^{b/}		25.8 ^{b/}				
Social Insurance	17.5 ^{b/}		19.3 ^{b/}				
Income Tax on Organizations	10.9 ^{b/}		10.0 ^{b/}				
Non-Tax Income	12.5 ^{b/}		13.3 ^{b/}				
Income from MTS	3.3 ^{b/}		4.2 ^{b/}				
Miscellaneous	15.4 ^{b/}		13.2 ^{b/}				
TOTAL	446.0 ^{b/}	437.0 ^{b/}	433.1 ^{b/}	422.1 ^{b/}	458.7 ^{b/}	468.0 ^{b/}	508.8 ^{b/ a/}
EXCESS OF REVENUES OVER EXPENDITURES	30.7 ^{b/}	24.7 ^{b/}	5.3 ^{b/}	9.4 ^{b/}	7.2 ^{b/}	26.7 ^{b/}	31.9 ^{b/ a/}

^{a/} 6/^{b/} Increased by Supreme Soviet by 1.1 billion rubles.

S-E-C-R-E-T

SECURITY INFORMATION

FUNCTIONAL DISTRIBUTION OF ALLOCATIONS FOR FINANCING NATIONAL ECONOMY, USSR, 1950-1952 a/

	Billions of Current Rubles		
	1950	1951	1952
Financing National Economy	164.4*	178.5*	180.4*
Fixed Capital	106.5*	98.0*	98.1*
Working Capital	6.7*	5.1*	4.6*
Capital Repairs	5.0*	6.0*	7.0*
Machine Tractor Stations	12.0*	15.0*	17.0*
Others (Residual)	31.2*	54.1*	53.7*

a. 6/

ARMED FORCES ALLOTMENT IN USSR BUDGET, 1937-1952 a/

Year	Revenues	Expenditures	Open Allotment for Armed Forces	Percent of Total
				Allotted to Armed Forces
1937	109.3*	106.2*	17.1*	16.1*
1938	127.5*	124.0*	23.2*	18.7*
1939	156.0*	153.3*	39.2*	25.6*
1940	180.2*	174.1*	56.8*	32.6*
1941	191.4*	203.2*	70.9 ^{b/}	34.9*
1942	165.0*	182.8*	108.1*	59.3*
1943	202.7*	210.0*	125.0*	59.5*
1944	268.7*	264.0*	137.7*	52.2*
1945	302.0*	298.6*	128.2*	42.9*
1946	325.4*	307.5*	73.6*	23.9*
1947	386.2*	361.6*	66.3*	18.3*
1948	410.5*	370.9*	66.3*	18.3*
1949	437.0*	412.3*	79.2*	19.2*
1950	422.1*	412.7*	82.9*	20.1*
1951 b/	458.7*	451.5*	96.4*	21.4*
1952	508.8 ^{c/}	476.9*	113.8*	23.9*

a. 6/

b. Planned

c. Increased by Supreme Soviet 1.1 billion rubles.

BUDGETS FOR FISCAL YEAR ENDING 31 DECEMBER 1952 a/

Bloc	Billion \$ US									
	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Total Budget	127*	5.0*		0.20*	1.03*	6.47*	7.59 ^{c/}	3.60*	15.7*	2.73*
Military Budget	28 ^{d/}	3.0*		0.022*	0.110*	0.45*		0.50 ^{e/}	1.50 ^{f/}	0.17*
Military Budget as Per Cent of Total	0.022*	0.060*		0.011*	0.011*	0.007*		0.011*	0.010*	0.017*

a. 5/ . All budget figures were converted to dollars at official exchange rates. Where more realistic rates are available, they indicate that use of official exchange rates results in an upward bias.

	Official Rate	More Realistic Rate
USSR - 1 ruble	\$0.25	
China - 1 Jen Min Piao	0.00004	
Albania - 1 lek	0.02	
Bulgaria - 1 lev	0.15	
Czechoslovakia - 1 crown	0.02	\$0.0057
East Germany - 1 mark	0.24	0.05
Hungary - 1 forint	0.085	0.04
Poland - 1 zloty	0.25	
Rumania - 1 leu	0.09	

b. 1952. No accurate data are available for Communist China; the above estimates are based on fragmentary data.

c. This figure is the proposed budget.

d. The figure shown is announced military expenditure; the addition of concealed expenditure would result in a substantial increase.

e. Expenditures by the State Security Authority are included.

f. This figure is not believed to provide for security forces, the air arm, or pre-military organizations.

S-E-C-R-E-T

SECURITY INFORMATION

USSR NATIONAL PRODUCT

Year	USSR GROSS NATIONAL PRODUCT				USSR National Income (Billions of 1926-1927 Rubles)
	Current Prices		Constant Prices		
	Billions of Adjusted Rubles ^a	Billions of Established Rubles ^a	Billions of US Dollars, (1951 US Prices)	Index	
1937	222	298	65	85	96.3
1938			69	89	105.0
1940	355	461	77	100	128.3
1948	618	812	77	100	149.1
1949	650		86	112	174.5
1950	721	942	95	124	209.9
1951	736	969	105	136	
1952	780 (Plan)	1,020 (Plan)	112	145	

a. Adjusted rubles were derived from "established rubles" by subtracting turnover taxes and adding subsidies.

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SECURITY INFORMATION

Grains

II

GRAINS

(Pages 11-19)

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SECURITY INFORMATION

BREAD GRAINS ^{a/}

	Million Metric Tons										
	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria	Czecho- slovakia d/	East Germany e/	Hungary	Poland	Rumania
Production											
1928	91	42	22	27	0.03	1.5	3.3	7.0	3.5	7.7	3.4
1929	89	41	22	26	0.03	1.1	3.3	6.6	2.8	8.8	3.0
1930	102	52	22	28	0.03	1.9	3.2	6.4	3.0	9.2	4.0
1931	91	44	22	25	0.04	2.0	2.5	6.0	2.5	8.0	4.0
1932	92	44	24	24	0.04	1.5	3.6	7.4	2.5	7.5	1.8
1933	100	47	23	30	0.06	1.3	4.1	7.9	3.6	9.2	3.7
1934	93	46	23	24	0.04	1.2	2.9	6.8	2.4	8.5	2.3
1935	94	49	22	23	0.04	1.7	3.2	3.5	3.0	9.0	2.3
1936	95	47	24	23	0.03	2.1	2.9	3.4	3.1	8.9	3.1
1937	111	72	17	22	0.05	2.2	2.8	3.3	2.6	7.9	3.2
1938	105	55	21	28	0.04	2.6	3.6	4.4	3.5	9.9	4.1
1939	106	58	21	27	0.05	2.3	3.1	3.9	3.9	10.4	3.8
1940	98	56	21	20	0.03	1.8	2.4	3.1	2.8	8.0	2.2
1941	86	47	17	22	0.03	1.6	2.7	3.4	2.9	8.7	2.5
1942	81	40	22	19	0.04	1.2	2.5	2.7	2.7	8.5	1.8
1943	84	41	21	22	0.05	1.7	3.0	3.6	3.1	7.5	3.0
1944	90	44	25	20	0.05	1.7	2.7	3.0	2.9	7.4	2.4
1945	77	41	23	13	0.04	1.2	2.4	2.1	1.0	4.9	1.8
1946	82	43	23	16	0.06	2.1	2.8	2.3	1.7	4.8	2.1
1947	86	47	24	14	0.06	1.3	2.2	2.3	1.7	5.3	1.6
1948	92	45	26	21	0.07	2.3	2.5	3.0	2.4	7.8	2.7
1949	90	48	21	21	0.07	2.2	2.8	3.6	2.5	8.0	2.0
1950	92	49	22	21	0.08	2.2	2.6	3.5	2.7	8.0	2.2
1951	103	58	22	23	0.09	2.3	2.7	3.6	3.3	7.9	2.9
1952	104	61	22	20	0.07	2.0	2.5	3.3	2.6	7.4	2.1
Per Capita											
1952	133 kg	291 kg	47 kg	218 kg	54 kg	271 kg	197 kg	177 kg	276 kg	287 kg	126 kg
1946-1951 (average)	118 kg	244 kg	48 kg	217 kg	59 kg	286 kg	210 kg	163 kg	258 kg	284 kg	140 kg
Flan f/											
Inventory, mid-1952 g/	17	11		5.6	0.1	0.4		1.4	0.6	2.2	1.0

a. Includes wheat and rye.

b. 1928-1934, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1935-1952, present boundaries.

c. Includes Manchuria. The data are for wheat production since no significant amount of rye is grown in China or Manchuria.

d. 1928-1934, prewar boundaries; 1935-1952, present boundaries.

e. 1928-1934, includes Soviet Zone and territories ceded to Poland and the USSR; 1935-1952, Soviet Zone.

f. Albania - 1955; Bulgaria - 1953; Czechoslovakia - 1953; Hungary - 1954; Poland - 1955; Rumania - 1955.

g. These are inventory figures for all grains.

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SECURITY INFORMATION

RICE^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China ^{b/}	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	43,796	400	43,380	16	0	16	0	0	0	0	0
1929	43,760	360	43,380	20	0	20	0	0	0	0	0
1930	43,697	290	43,390	17	0	17	0	0	0	0	0
1931	43,624	210	43,400	14	0	14	0	0	0	0	0
1932	49,890	200	49,680	16	0	16	0	0	0	0	0
1933	48,803	190	48,600	13	0	13	0	0	0	0	0
1934	38,809	220	38,570	19	0.3	18	0	0	0	0	0
1935	48,698	220	48,460	18	0.3	17	0	0	0	0	0
1936	48,944	330	48,590	24	0.4	23	0	0	0	0	0
1937	50,567	330	50,220	17	0.9	16	0	0	0	0	0
1938	48,381	270	48,090	21	0.6	19	0	0	0	0	1.0
1939	49,252	260	48,960	32	0.6	31	0	0	0	0	0.8
1940	40,108	260	39,820	28	0.4	27	0	0	0	0	0.8
1941	41,243	260	40,950	33	0.4	30	0	0	0	0	2.7
1942	40,310	260	40,000	50	0.4	47	0	0	0	0	2.3
1943	38,666	260	38,370	36	0.4	28	0	0	0	0	7.4
1944	42,618	260	42,330	28	0.4	18	0	0	0	0	9.8
1945	37,247	220	37,010	17	0.4	11	0	0	0	0	5.5
1946	47,106	220	46,870	16	0.4	10	0	0	0	0	5.8
1947	47,322	310	46,970	42	0.4	20	0	0	10	0	12.
1948	49,044	390	48,580	74	1.0	21	0	0	36	0	16.
1949	45,339	390	44,880	69	1.0	22	0	0	30	0	16.
1950	46,401	370	45,960	71	1.0	19	0	0	35	0	16.
1951	45,600	370	45,130	100	3.0	27	0	0	40	0	30.
1952	47,627	369	47,170	88	3.0 ^{d/}	23	0	0	40	0	22.
Per Capita											
1952	61 kg	2 kg	98 kg	1 kg	2 kg	3 kg	0 kg	0 kg	4 kg	0 kg	1 kg
1946-1951 (average)	61 kg	2 kg	97 kg	1 kg	1 kg	3 kg	0 kg	0 kg	3 kg ^{d/}	0 kg	1 kg

a. Paddy rice.

b. Includes Manchuria.

c. Planned production for 1955 is 5,000 metric tons.

d. 1947-1951.

S-E-C-R-E-T

SECURITY INFORMATION

OTHER GRAINS ^{a/}

	Million Metric Tons										
	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria d/	Czecho-slovakia	East Germany e/	Hungary	Poland	Romania
Production											
1928	95	34	41	21	0.07	0.9	3.1	5.2	2.3	4.1	5.2
1929	105	35	42	28	0.07	1.3	3.1	5.3	2.9	4.7	10.5
1930	100	35	42	23	0.07	1.3	2.8	4.3	2.3	3.9	8.0
1931	93	29	41	23	0.08	1.3	2.5	4.6	2.2	3.9	8.1
1932	96	30	41	25	0.09	1.3	3.5	4.9	3.5	3.9	8.1
1933	99	35	40	24	0.13	1.4	3.1	5.2	3.0	4.2	7.2
1934	95	36	38	21	0.17	1.0	2.6	4.4	2.9	4.1	6.3
1935	101	42	41	19	0.13	1.3	2.3	2.8	2.2	4.8	5.5
1936	105	41	42	22	0.13	1.6	2.6	2.9	3.5	4.7	6.4
1937	107	49	37	20	0.16	1.5	2.8	3.1	3.6	4.4	4.9
1938	97	39	37	22	0.15	1.1	3.1	3.7	3.6	4.7	5.1
1939	101	42	37	22	0.14	1.6	2.7	3.2	3.5	5.1	5.9
1940	93	41	31	21	0.15	1.4	2.5	3.1	4.1	4.6	5.3
1941	91	36	35	20	0.14	1.3	2.5	2.8	3.8	4.6	4.6
1942	85	32	34	19	0.17	0.8	2.0	3.1	3.9	4.7	4.7
1943	83	29	35	19	0.12	0.9	2.5	2.8	3.3	3.9	5.4
1944	83	31	36	17	0.12	1.0	2.4	2.3	3.2	3.6	4.1
1945	72	24	36	12	0.10	0.4	2.0	1.6	2.5	2.2	3.6
1946	77	23	42	13	0.15	0.8	2.1	2.0	2.1	3.0	2.3
1947	89	33	40	16	0.15	1.2	1.7	1.6	2.6	3.0	5.9
1948	89	29	42	17	0.16	1.5	2.1	1.6	3.7	3.3	5.0
1949	84	28	39	18	0.16	1.3	2.4	1.8	3.7	3.6	4.6
1950	84	28	40	16	0.15	1.2	2.2	2.1	2.9	3.8	3.8
1951	86	28	40	18	0.18	1.5	2.4	2.3	3.5	3.4	5.1
1952	85	30	41	14	0.11	0.9	2.3	2.2	2.1	3.9	2.7
Per Capita											
1952	108 kg	142 kg	84 kg	155 kg	85 kg	128 kg	174 kg	118 kg	227 kg	152 kg	164 kg
1946-1951 (average)	111 kg	142 kg	84 kg	183 kg	131 kg	176 kg	173 kg	102 kg	332 kg	137 kg	276 kg

a. Includes corn, oats, barley, grain sorghum, millet, and other miscellaneous grains.

b. 1928-1934, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1935-1952, present boundaries.

c. Includes Manchuria.

d. 1928-1934, prewar boundaries; 1935-1952, present boundaries.

e. 1928-1934, Soviet Zone and territories ceded to Poland and the USSR; 1935-1952, Soviet Zone of Germany.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

WHEAT a/

	Million Metric Tons										
	Bloc	USSR	China ^{b/}	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	57	22	22	12	0.03	1.3	1.4	1.7	2.7	1.6	3.1
1929	52	19	22	10	0.03	0.9	1.4	1.5	2.0	1.8	2.7
1930	63	27	22	13	0.03	1.6	1.4	1.7	2.3	2.2	3.6
1931	56	21	22	13	0.04	1.7	1.1	1.9	2.0	2.3	3.7
1932	54	21	24	10	0.04	1.3	1.5	2.2	1.8	1.3	1.5
1933	62	24	23	14	0.06	1.5	2.0	2.5	2.6	2.2	3.2
1934	60	27	23	10	0.04	1.1	1.4	2.0	1.8	2.1	2.1
1935	61	28	22	11	0.04	1.4	1.6	1.5	2.3	1.9	2.1
1936	65	29	24	12	0.03	1.8	1.5	1.4	2.4	2.0	2.8
1937	71	42	17	12	0.04	1.9	1.4	1.4	2.0	1.8	3.0
1938	70	34	21	15	0.04	2.3	1.8	1.9	2.7	2.1	3.8
1939	70	35	21	14	0.05	2.0	1.6	1.6	3.1	2.2	3.5
1940	69	38	21	10	0.03	1.6	1.3	1.3	2.1	1.7	2.0
1941	57	29	17	11	0.03	1.5	1.4	1.4	2.2	1.7	2.3
1942	54	23	22	9	0.04	1.1	1.2	1.1	2.0	1.7	1.6
1943	52	20	21	11	0.04	1.6	1.6	1.4	2.3	1.6	2.7
1944	57	22	25	10	0.04	1.6	1.3	1.2	2.2	1.5	2.2
1945	49	20	23	7	0.04	1.1	1.3	0.8	0.7	1.1	1.7
1946	53	21	23	9	0.06	1.8	1.4	0.8	1.3	1.1	2.0
1947	54	23	24	7	0.05	1.1	1.1	0.8	1.3	1.1	1.5
1948	63	26	26	10	0.07	2.0	1.4	1.2	1.7	1.5	2.6
1949	60	29	21	10	0.06	1.9	1.6	1.4	1.9	1.6	1.9
1950	64	31	22	11	0.06	1.9	1.4	1.4	2.0	1.7	2.1
1951	71	37	22	12	0.09	2.1	1.5	1.2	2.5	1.8	2.7
1952	73	40	22	10	0.07	1.8	1.4	1.1	2.0	1.6	2.0
Per Capita 1952	93 kg	191 kg	47 kg	108 kg	55 kg	239 kg	110 kg	57 kg	213 kg	64 kg	120 kg
1946-1951 (average)	79 kg	140 kg	48 kg	110 kg	55 kg	253 kg	112 kg	59 kg	194 kg	61 kg	133 kg
Plan ^{c/}					0.1		1.6		2.6	2.8	

a. 1947 boundaries.

b. Includes Manchuria.

c. Albania - 1955; Czechoslovakia - 1953; Hungary - 1954; Poland - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

RYE ^{a/}

	Million Metric Tons										
	Bloc	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Romania
Production											
1928	35	20		14.5	0.002	0.2	1.8	5.3	0.8	6.1	0.3
1929	37	21		15.2	0.002	0.2	1.8	5.0	0.8	7.0	0.3
1930	40	25		15.0	0.002	0.3	1.8	4.7	0.7	7.0	0.5
1931	35	23		12.4	0.002	0.3	1.4	4.1	0.6	5.7	0.4
1932	38	23		14.7	0.003	0.2	2.2	5.2	0.8	6.1	0.3
1933	38	22		16.2	0.005	0.2	2.1	5.4	1.0	7.1	0.4
1934	32	19		13.7	0.004	0.2	1.5	4.7	0.6	6.5	0.2
1935	33	21		11.9	0.003	0.3	1.6	2.0	0.7	7.1	0.2
1936	30	18		11.6	0.003	0.3	1.4	2.0	0.7	6.9	0.3
1937	40	29		10.6	0.004	0.3	1.5	1.9	0.6	6.1	0.3
1938	34	21		13.5	0.003	0.3	1.9	2.4	0.8	7.8	0.3
1939	36	22		13.4	0.003	0.3	1.5	2.3	0.9	8.2	0.3
1940	29	19		10.4	0.003	0.2	1.1	1.8	0.7	6.4	0.2
1941	29	18		11.4	0.004	0.1	1.3	2.0	0.7	7.0	0.2
1942	27	17		10.6	0.004	0.1	1.3	1.6	0.7	6.8	0.2
1943	32	21		10.7	0.003	0.1	1.4	2.3	0.8	5.9	0.2
1944	32	22		10.0	0.003	0.2	1.3	1.8	0.6	5.9	0.2
1945	28	21		6.8	0.002	0.1	1.2	1.3	0.3	3.8	0.1
1946	29	22		7.3	0.004	0.2	1.4	1.5	0.4	3.7	0.1
1947	32	24		7.5	0.003	0.2	1.1	1.6	0.4	4.2	0.1
1948	29	19		10.3	0.004	0.3	1.1	1.9	0.6	6.3	0.1
1949	30	19		10.8	0.003	0.3	1.3	2.2	0.6	6.4	0.1
1950	29	18		10.6	0.003	0.3	1.2	2.2	0.7	6.3	0.1
1951	32	21		10.9	0.004	0.3	1.2	2.5	0.8	6.1	0.1
1952	31	21		10.0	0.003	0.2	1.1	2.2	0.6	5.7	0.1
Per Capita											
1952	40 kg	100 kg		110 kg	2 kg	32 kg	87 kg	120 kg	63 kg	223 kg	6 kg
1946-1951 (average)	39 kg	104 kg		107 kg	3 kg	33 kg	97 kg	104 kg	64 kg	224 kg	7 kg
Plan c/					0.004		1.0		0.7	6.9	

a. 1947 boundaries.

b. Chinese production of rye is negligible.

c. Albania - 1955; Czechoslovakia - 1953; Hungary - 1954; Poland - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

CORN^{a/}

	Million Metric Tons										
	Bloc	USSR	China ^{b/}	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	16	3.3	8.1	4.9	0.1	0.5	0.2		1.3	0.08	2.8
1929	21	3.0	8.1	9.5	0.1	0.9	0.2		1.8	0.10	6.4
1930	18	2.7	8.1	7.1	0.1	0.8	0.2		1.4	0.08	4.5
1931	22	4.8	8.1	8.9	0.1	0.9	0.2		1.5	0.10	6.1
1932	22	3.4	8.7	9.8	0.1	0.9	0.3		2.4	0.11	6.0
1933	19	4.8	7.5	7.6	0.1	1.0	0.2		1.8	0.06	4.6
1934	19	3.8	7.2	8.1	0.1	0.8	0.2		2.1	0.08	4.8
1935	19	3.6	8.6	7.0	0.1	0.9	0.2	0	1.4	0.08	4.4
1936	25	7.7	8.2	8.6	0.1	1.0	0.3	0	2.6	0.05	4.6
1937	22	5.1	8.6	8.1	0.1	1.0	0.3	0	2.8	0.05	3.8
1938	20	3.4	9.1	7.9	0.1	0.6	0.4	0	2.6	0.08	4.1
1939	22	4.3	9.2	8.8	0.1	1.1	0.3	0	2.3	0.06	4.9
1940	21	2.8	9.4	8.5	0.1	1.0	0.1	0	3.0	0.04	4.2
1941	19	2.7	9.0	7.6	0.1	0.9	0.1	0	2.7	0.04	3.6
1942	19	2.5	8.7	7.4	0.1	0.5	0.2	0	2.8	0.04	3.7
1943	19	2.4	9.4	7.4	0.1	0.5	0.2	0	2.4	0.04	4.1
1944	19	2.8	9.7	6.7	0.1	0.8	0.2	0	2.2	0.04	3.3
1945	17	2.2	10.1	5.0	0.1	0.2	0.2	0	1.9	0.004	2.6
1946	16	2.0	10.2	3.7	0.1	0.4	0.2		1.4	0.004	1.6
1947	22	3.6	10.0	8.2	0.1	0.9	0.1		1.9	0.01	5.2
1948	22	3.5	10.8	8.1	0.1	0.9	0.3		2.7	0.01	4.1
1949	21	3.6	9.7	7.7	0.1	0.8	0.3		2.7	0.01	3.8
1950	21	3.7	10.8	5.8	0.1	0.6	0.3		1.9	0.01	2.9
1951	22	3.5	10.2	7.9	0.2	0.9	0.3 ^{c/}		2.4		4.1
1952	19	3.9	10.7	4.1	0.1	0.4	0.2 ^{c/}		1.2		2.1
Plan ^{d/}					0.2		0.3		2.5		4.0

- a. 1947 boundaries.
- b. Includes Manchuria.
- c. Corn and mixtures.
- d. Albania - 1955; Czechoslovakia - 1953; Hungary - 1954; Rumania - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

OATS ^{a/}

	Million Metric Tons										
	Bloc	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania
Production											
1928	27	17	0.8	9.0	0.01	0.09	1.5	3.5	0.4	2.5	1.0
1929	28	17	0.8	10.1	0.01	0.11	1.5	3.7	0.4	3.0	1.4
1930	26	18	0.8	8.0	0.01	0.11	1.3	2.8	0.3	2.3	1.2
1931	20	12	0.8	7.6	0.01	0.10	1.2	3.1	0.2	2.3	0.7
1932	21	12	0.8	8.5	0.01	0.10	1.7	3.3	0.3	2.4	0.6
1933	24	11	0.8	9.1	0.01	0.13	1.6	3.5	0.4	2.7	0.8
1934	26	17	0.9	7.4	0.01	0.07	1.2	2.7	0.3	2.6	0.6
1935	29	21	0.9	6.7	0.01	0.10	1.0	1.8	0.2	2.9	0.6
1936	24	16	0.9	7.3	0.01	0.16	1.2	1.9	0.3	3.0	0.8
1937	33	26	0.8	6.9	0.01	0.16	1.4	2.0	0.3	2.6	0.5
1938	28	20	0.9	7.6	0.01	0.10	1.4	2.3	0.3	3.0	0.4
1939	28	20	1.0	7.5	0.01	0.13	1.2	2.1	0.4	3.3	0.5
1940	28	20	0.9	7.4	0.01	0.12	1.2	2.1	0.4	3.0	0.5
1941	26	18	0.8	7.0	0.01	0.15	1.2	1.8	0.4	3.0	0.4
1942	24	16	0.9	7.0	0.01	0.12	0.9	2.2	0.4	3.0	0.4
1943	22	15	0.8	6.6	0.01	0.15	1.2	2.0	0.3	2.5	0.6
1944	22	16	0.8	5.8	0.01	0.09	1.1	1.6	0.3	2.2	0.4
1945	16	11	0.7	4.0	0.01	0.05	0.8	1.0	0.2	1.4	0.5
1946	16	11	0.7	5.1	0.01	0.11	1.0	1.3	0.2	1.9	0.5
1947	20	15	0.7	4.3	0.01	0.10	0.8	1.1	0.2	1.7	0.3
1948	17	12	0.7	5.0	0.01	0.13	0.9	1.0	0.3	2.2	0.5
1949	18	12	0.7	5.3	0.01	0.13	1.0	1.2	0.3	2.2	0.4
1950	17	11	0.7	5.1	0.01	0.13	0.9	1.2	0.3	2.2	0.4
1951	18	12	0.8	5.4	0.01	0.14	1.0	1.5	0.3	2.0	0.5
1952	18	12	0.8	5.3	0.01	0.10	1.0	1.3	0.2	2.4	0.3
Plan ^{c/}							1.1			2.8	

a. 1947 boundaries.

b. Manchurian oat production is included with miscellaneous grains.

c. Czechoslovakia - 1953; Poland - 1955.

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S-E-C-R-E-T

SECURITY INFORMATION

BARLEY a/

Million Metric Tons

	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	21	6.0	7.9	7.2	0.004	0.3	1.4	1.7	0.7	1.5	1.5
1929	24	7.8	7.9	8.3	0.004	0.2	1.4	1.6	0.7	1.7	2.7
1930	23	7.3	7.9	7.5	0.004	0.4	1.2	1.4	0.6	1.5	2.4
1931	20	5.8	7.9	6.3	0.005	0.3	1.1	1.5	0.5	1.5	1.4
1932	21	5.6	8.1	7.0	0.005	0.3	1.5	1.6	0.7	1.4	1.5
1933	22	7.3	7.4	7.6	0.009	0.4	1.4	1.7	0.8	1.4	1.9
1934	20	6.5	8.0	5.9	0.007	0.2	1.2	1.6	0.5	1.5	0.9
1935	22	8.8	7.9	5.4	0.005	0.3	1.1	1.0	0.6	1.8	0.6
1936	24	10.1	8.1	5.9	0.004	0.4	1.1	1.0	0.7	1.7	1.0
1937	23	11.5	6.3	5.4	0.006	0.4	1.2	1.1	0.6	1.7	0.6
1938	22	8.9	7.0	6.1	0.005	0.4	1.4	1.3	0.8	1.7	0.5
1939	22	9.0	7.3	5.9	0.005	0.4	1.2	1.1	0.8	1.8	0.5
1940	22	10.0	6.8	5.3	0.004	0.3	1.2	1.0	0.7	1.5	0.5
1941	19	8.3	5.9	5.2	0.005	0.2	1.2	0.9	0.7	1.5	0.5
1942	19	6.9	7.1	4.9	0.005	0.1	0.9	1.0	0.7	1.7	0.6
1943	17	5.6	6.5	4.8	0.006	0.3	1.1	0.8	0.6	1.4	0.7
1944	17	5.8	7.4	4.3	0.006	0.2	1.1	0.7	0.7	1.3	0.4
1945	15	4.8	6.4	3.3	0.005	0.1	0.9	0.6	0.5	0.8	0.4
1946	15	4.8	7.0	3.7	0.007	0.3	0.9	0.7	0.5	1.0	0.3
1947	18	7.0	7.6	3.7	0.005	0.3	0.8	0.6	0.5	1.3	0.3
1948	19	7.0	7.6	4.2	0.006	0.4	0.9	0.6	0.7	1.2	0.4
1949	18	7.0	6.6	4.5	0.006	0.4	1.1	0.6	0.7	1.3	0.4
1950	18	7.0	6.8	4.6	0.005	0.4	1.0	0.7	0.7	1.4	0.4
1951	18	7.0	6.7	4.4	0.009	0.4	1.1	0.6	0.8	1.1	0.5
1952	18	7.3	7.0	4.2	0.007	0.3	1.1	0.6	0.7	1.2	0.3
Plan b/					0.013		1.3			2.0	

a. 1947 boundaries.
b. Albania - 1955; Czechoslovakia - 1953; Poland - 1955.

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SECURITY INFORMATION

CHINESE PRODUCTION OF SELECTED GRAINS

	Million Metric Tons			
	Grain Sorghum a/	Millet a/	Proso Millet b/	Miscellaneous c/
1928	11	10	1.5	1.3
1929	11	10	1.5	1.6
1930	11	10	1.5	1.7
1931	11	9	1.5	1.9
1932	11	9	1.5	1.6
1933	11	10	1.5	1.8
1934	10	9	1.5	1.0
1935	11	10	1.6	1.1
1936	12	10	1.6	1.1
1937	10	9	1.3	1.0
1938	10	7	1.2	1.4
1939	10	7	1.3	1.3
1940	9	7	1.2	1.3
1941	10	7	1.4	1.3
1942	9	6	1.3	1.3
1943	10	6	1.5	1.3
1944	9	6	1.3	1.3
1945	9	7	1.1	1.3
1946	11	9	1.5	1.3
1947	11	9	1.3	1.3
1948	10	10	1.6	1.3
1949	10	9	1.3	1.3
1950	10	9	1.3	1.3
1951	10	9	1.3	1.3
1952	11	10	1.4	1.3

a. Includes Manchuria.
 b. China only.
 c. Manchuria only.

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SECURITY INFORMATION

III

POTATOES AND SUGAR

(Pages 21-22)

Potatoes and Sugar

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SECURITY INFORMATION

POTATOES

	Million Metric Tons										
	Bloc	USSR a/	China b/	European Satellites	Albania	Bulgaria c/	Czecho- slovakia c/	East Germany g/	Hungary g/	Poland	Rumania o/
Production											
1928	131	48	19	64		0.02	8.9	24	1.5	28	2.1
1929	139	49	19	70		0.04	11	23	2.2	32	2.5
1930	141	51	19	71		0.06	9.0	27	1.9	31	2.0
1931	138	49	19	69		0.06	9.7	25	1.4	31	2.0
1932	139	47	22	70		0.07	9.3	27	1.6	30	1.7
1933	141	54	22	65		0.08	8.2	25	1.9	28	1.5
1934	150	56	19	75		0.08	9.6	27	2.1	34	2.1
1935	164	74	22	68		0.12	7.7	24	1.4	32	2.0
1936	153	56	20	76		0.11	11	27	2.5	34	2.1
1937	186	71	26	89		0.15	12	32	2.6	40	2.1
1938	147	47	22	78	0.002 g/	0.06	9.8	29	2.1	35	1.8
1939	150	48	23	79		0.13	10	30	2.2	35	2.0
1940	174	69	24	80		0.12	8.2	32	2.4	37	0.7
1941	162	70	25	66		0.19	6.9	26	2.1	30	0.9
1942	157	55	26	76		0.17	7.8	31	1.8	34	1.2
1943	144	56	27	60		0.22	5.4	23	1.8	28	1.6
1944	149	57	28	64		0.18	6.8	24	2.6	29	1.8
1945	145	60	29	56		0.04	6.1	21	1.7	26	0.9
1946	130	63	28	39	0.004	0.06	9.2	9.3	1.1	19	0.7
1947	144	72	26	46	0.004	0.10	4.7	7.2	1.1	31	1.6
1948	157	78	29	49	0.005	0.10	6.6	12	2.7	27	1.2
1949	156	76	30	50	0.004	0.10	6.4	9.7	1.9	31	1.1
1950	168	79	30	59	0.004	0.08	7.5	13	1.2	37	0.8
1951	148	71	30	48	0.004	0.10	6.5	11 f/	1.6	27	1.1
1952	149	79	30	40	0.002	0.06	4.5	10	1.0	24	0.7
Per Capita											
1952	190 kg	375 kg	62 kg	437 kg	2 kg	8 kg	348 kg	551 kg	106 kg	924 kg	43 kg
1946-1951 (average)	196 kg	368 kg	60 kg	543 kg	4 kg	13 kg	547 kg	551 kg	173 kg	1,166 kg	67 kg
Plan g/							9.7*	17*		40*	2.8*

a. 1928-1945, postwar boundaries excepting territory acquired from Czechoslovakia, Germany, Rumania, and Poland; 1946-1952, present boundaries.
 b. Includes Manchuria. The above data are for sweet potatoes. Chinese production of other types is negligible.
 c. 1928-1945, prewar boundaries; 1946-1952, present boundaries.
 d. 1928-1945, Soviet Zone plus territories ceded to Poland and the USSR; 1946-1952, Soviet Zone.
 e. 1935-1939 average.
 f. Planned production for 1951 was 15.5 million metric tons.
 g. Czechoslovakia - 1953 7/ ; East Germany, Poland, and Rumania - 1955. 7/

S-E-C-R-E-T

SECURITY INFORMATION

SUGAR ^{a/}

	Million Metric Tons										
	Bloc	USSR ^{b/}	China ^{c/}	European Satellites	Albania	Bulgaria ^{d/}	Czecho-slovakia ^{d/}	East Germany ^{e/}	Hungary ^{d/}	Poland ^{d/}	Rumania ^{d/}
Production											
1928	4.9	1.23	0.16	3.5		0.03	1.06	1.30	0.22	0.75	0.16
1929	4.9	0.97	0.16	3.7		0.04	1.04	1.39	0.25	0.92	0.10
1930	5.8	1.51	0.16	4.2		0.05	1.14	1.78	0.23	0.78	0.20
1931	4.4	1.55	0.16	2.6		0.03	0.82	1.12	0.13	0.49	0.05
1932	3.1	0.88	0.18	2.0		0.03	0.64	0.76	0.10	0.42	0.06
1933	3.5	1.13	0.19	2.2		0.04	0.52	0.99	0.14	0.34	0.16
1934	4.2	1.62	0.16	2.4		0.01	0.62	1.15	0.12	0.44	0.11
1935	5.0	2.31	0.26	2.4	Negligible	0.02	0.55	1.16	0.12	0.44	0.13
1936	5.4	2.27	0.52	2.6	Negligible	0.01	0.70	1.25	0.14	0.45	0.07
1937	6.4	2.72	0.62	3.0	Negligible	0.03	0.75	1.52	0.12	0.56	0.07
1938	5.6	2.48	0.33	2.8	Negligible	0.02	0.51	1.44	0.14	0.54	0.15
1939	6.1	2.86	0.33	2.9	Negligible	0.02	0.62	1.58	0.13	0.42	0.13
1940	5.8	2.45	0.29	3.1		0.04	0.70	1.60	0.16	0.52	0.08
1941	3.9	0.71	0.29	2.9		0.04	0.66	1.36	0.21	0.58	0.08
1942	3.9	0.67	0.35	2.9		0.03	0.64	1.46	0.18	0.51	0.06
1943	4.1	0.82	0.44	2.8		0.05	0.52	1.46	0.18	0.47	0.15
1944	4.4	1.29	0.57	2.6		0.03	0.53	1.24	0.19	0.44	0.14
1945	3.0	1.09	0.75	1.2		0.02	0.45	0.48	0.01	0.20	0.03
1946	2.7	0.70	0.36	1.7	Negligible	0.03	0.59	0.53	0.07	0.43	0.03
1947	3.4	1.54	0.37	1.5	Negligible	0.02	0.35	0.42	0.16	0.50	0.08
1948	4.8	1.98	0.37	2.4	Negligible	0.07	0.63	0.68	0.24	0.69	0.11
1949	4.7	2.00	0.37	2.4	Negligible	0.05	0.63	0.56	0.26	0.74	0.11
1950	5.4	2.18 ^{f/}	0.23	3.0	0.001	0.05	0.88	0.78	0.25	0.96	0.11
1951	5.4	2.09	0.32 ^{g/}	2.9	0.006 ^{h/}	0.06	0.80	0.75	0.34	0.85	0.13
1952	4.6	2.27	0.38	1.9	0.005	0.04	0.43	0.51	0.20	0.66	0.08
Per Capita											
1952	6 kg	11 kg	1 kg	21 kg	4 kg	5 kg	34 kg	28 kg	21 kg	26 kg	5 kg
1946-1951 (average)	6 kg	9 kg	1 kg	26 kg	1 kg	7 kg	52 kg	33 kg	24 kg	28 kg	6 kg
Plan ^{i/}						0.12*	0.88*	0.99*		1.22*	
Inventory, 1951-1952				1.7	0	0.04	0.52	0.42	0.13 ^{j/}	0.55	0.02

a. Raw value; refined sugar is equal to approximately 90.1 per cent of raw sugar by weight.
 b. 1928-1944, includes Estonia, Latvia, Lithuania, and territory acquired from Finland, but does not include territories acquired after the war from Czechoslovakia, Germany, Rumania, and Poland; 1945-1952, present boundaries.
 c. Includes Manchuria.
 d. 1928-1944, prewar boundaries; 1945-1952, present boundaries.
 e. 1928-1944, Soviet Zone plus territories ceded to Poland and the USSR; 1945-1952, present boundaries.
 f. Planned production was 2.7 million metric tons.
 g. Planned production was 327,000* metric tons. ^{8/}
 h. Planned production was 13,000* metric tons. ^{7/}
 i. Bulgaria and Czechoslovakia - 1953 ^{7/} ; East Germany and Poland - 1955 ^{7/} A CIA conversion factor (see footnote a) was applied refined sugar data. ^{7/}
 j. As of 31 July 1951, ^{8/} stockpile of 36,800 metric tons was reported.

S-E-C-R-E-T

SECURITY INFORMATION

IV

LIVESTOCK, MEAT, AND FISH

(Pages 23-28)

Livestock, Meat, and Fish

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

HORSES

Inventory	Millions										
	Eloc	USSR a/	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany c/	Hungary	Poland	Romania
1928	49	33	5.7	10	0.06	0.48	0.75	2.08	0.92	4.05	1.94
1929	50	34	5.7	10	0.06	0.49	0.75	2.03	0.89	4.05	1.96
1930	45	30	5.7	10	0.06	0.50	0.75	1.97	0.86	4.10	1.81
1931	42	26	5.7	10	0.06	0.50	0.75	1.92	0.86	4.12	1.99
1932	39	23	5.7	10	0.06	0.51	0.73	1.88	0.84	3.94	2.03
1933	34	18	5.7	10	0.06	0.52	0.71	1.85	0.82	3.77	2.08
1934	32	17	5.7	10	0.07	0.52	0.70	1.86	0.80	3.76	2.12
1935	32	16	5.7	10	0.07	0.53	0.70	1.84	0.81	3.76	2.17
1936	32	17	5.7	10	0.07	0.53	0.70	1.85	0.79	3.82	2.02
1937	33	17	5.7	10	0.07	0.52	0.70	1.86	0.80	3.89	2.06
1938	33	17	5.7	10	0.06	0.52	0.69	1.87	0.81	3.92	2.05
1939	34	18	5.7	10	0.05	0.51	0.67	1.88	0.94	3.92	2.04
1940	32	19	4.6	9	0.05	0.51	0.66	1.66	0.99	3.92	1.10
1941	33	21	4.6	7	0.05	0.52	0.63	0.61	0.84	3.15	1.10
1942	26	14	4.6	7	0.05	0.61	0.64	0.60	0.90	2.71	1.11
1943	23	13	4.6	6	0.05	0.61	0.60	0.60	0.84	2.27	0.98
1944	21	12	4.6	5	0.05	0.54	0.61	0.60	0.78	1.83	0.86
1945	20	11	4.6	4	0.05	0.49	0.58	0.62	0.33	1.40	0.74
1946	19	10	3.8	5	0.05	0.49	0.65	0.59	0.40	1.73	0.86
1947	20	11	3.8	5	0.06	0.55	0.65	0.64	0.46	2.02	0.79
1948	21	11	3.8	5	0.06	0.55	0.63	0.65	0.52	2.30	0.80
1949	22	12	3.8	6	0.05	0.55	0.64	0.68	0.57	2.54	0.85
1950	23	13	3.8	6	0.05	0.55	0.64	0.72	0.60	2.70	0.88
1951	24	14 d/	3.8	6	0.05	0.52	0.63	0.76	0.58	2.78 e/	0.86
1952	25	15	3.8	6	0.05	0.52	0.63	0.76	0.62	2.86	0.92
Plan f/	15					0.61*	0.7*	0.73*	0.75*	3.0*	1.2*

- a. 1928-1940, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1941-1952, present boundaries.
- b. Manchuria is included but not Outer Mongolia, Sinkiang, Sikang, or Tibet. Inventory averages for Outer Mongolia were as follows: prewar - 1.7 million, postwar - 1.6 million. The abrupt changes indicated in the numbers of horses are the result of estimation based on incomplete data. Actual changes occurred more gradually.
- c. 1928-1940, non-West Germany, i.e., 1937 Germany minus 1951 West Zone; 1941-1952, Soviet Zone.
- d. Planned production was 15 million*. 2/ 10/
- e. Planned production was 2.9 million*. 7/ 10/
- f. USSR - January 1956; Bulgaria - 1953 7/; Czechoslovakia - 1953 7/; East Germany - 1955 7/; Hungary - 1954 7/; Poland - 1955 7/ 11/; Rumania - 1955. 7/

S-E-C-R-E-T

SECURITY INFORMATION

CATTLE

	Millions										
	Bloc	USSR a/	China b/	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany c/	Hungary	Poland	Rumania
Inventory											
1928	125	60	37	29	0.37	1.8	4.5	7.0	1.8	9.1	4.4
1929	122	57	37	29	0.37	1.8	4.5	7.0	1.8	9.1	4.3
1930	110	45	37	28	0.37	1.7	4.5	6.9	1.8	9.4	3.8
1931	108	42	37	29	0.37	1.7	4.5	7.1	1.8	9.8	4.1
1932	107	41	37	29	0.37	1.6	4.5	7.3	1.8	9.5	4.2
1933	99	34	37	29	0.38	1.6	4.3	7.3	1.7	9.0	4.2
1934	102	36	37	29	0.40	1.5	4.4	7.6	1.7	9.3	4.3
1935	108	42	37	29	0.39	1.5	4.3	7.4	1.7	9.8	4.3
1936	115	49	37	30	0.39	1.5	4.3	7.2	1.7	10.2	4.2
1937	118	50	37	31	0.41	1.5	4.6	7.7	1.8	10.6	4.2
1938	122	54	37	31	0.41	1.5	4.7	7.8	1.9	10.6	4.2
1939	119	51	39	31	0.41	1.5	4.8	7.6	2.4	10.6	4.3
1940	118	51	39	30	0.40	1.4	4.7	7.6	2.6	10.6	2.6
1941	110	54	33	23	0.40	1.8	4.6	3.0	2.0	7.5	3.6
1942	102	46	33	23	0.39	2.0	4.4	2.9	2.4	7.2	3.7
1943	96	41	33	22	0.37	2.1	4.4	2.9	1.9	6.9	3.9
1944	94	40	33	21	0.35	2.0	4.4	3.0	1.5	6.5	3.4
1945	96	43	33	20	0.34	2.0	4.2	3.1	1.1	6.3	3.1
1946	95	47	31	17	0.33	1.6	4.1	2.4	1.1	3.9	3.3
1947	96	47	31	18	0.37	1.7	4.0	2.8	1.4	4.7	3.1
1948	100	50	31	19	0.40	1.7	3.3	2.8	1.7	5.7	3.5
1949	105	54	31	20	0.40	1.7	3.7	2.9	1.7	6.4	3.4
1950	109	56	31	22	0.40	1.8	4.1	3.3	1.8	6.5	3.6
1951	110	57 <u>g/</u>	31	22	0.41	1.8	4.2	3.6 <u>g/</u>	1.8	6.5 <u>g/</u>	3.6
1952	112	59	31	22	0.42	1.8	4.2	3.7	1.9	6.5	3.7
Plan <u>g/</u>		68				2.2*	4.4*	4.4*	2.4*	9.5*	4.7*

a. 1928-1940, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1941-1952, present boundaries.
 b. The above figures include cattle and buffalo for China and Manchuria but not Outer Mongolia, Sinkiang, Sikang, or Tibet. Inventory averages for Outer Mongolia were as follows: prewar - 2.1 million; postwar - 1.4 million. The abrupt changes indicated in the numbers of cattle and buffalo are the result of estimation based on incomplete data. Actual changes occurred more gradually.
 c. 1928-1940, non-West Germany, i.e. 1937 Germany minus 1951 West Zone; 1941-1952, Soviet Zone.
 d. Planned production was 65 million * 2/
 e. Planned production was 3.9 million * 2/
 f. Planned production was 7.2 million * 10/
 g. USSR - January 1956; Bulgaria - 1953 7/; Czechoslovakia - 1953 1/; East Germany - 1955 1/; Hungary - 1954 1/; Poland - 1955 1/ 11/; Rumania - 1955. 2/

S-E-C-R-E-T

SECURITY INFORMATION

HOGS

	Millions										
	Bloc	USSR ^{a/}	China ^{b/}	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany ^{c/}	Hungary	Poland	Rumania
Inventory											
1928	110	23	63	25	0.021	1.00	2.8	10.7	2.7	4.8	2.8
1929	104	18	63	23	0.021	0.99	2.8	9.4	2.6	4.8	2.4
1930	99	13	63	24	0.021	0.97	2.8	9.3	2.4	6.0	2.3
1931	105	14	63	28	0.022	0.96	2.8	10.9	2.7	7.3	3.2
1932	102	13	63	26	0.023	0.94	2.6	11.1	2.4	5.8	3.0
1933	100	12	63	25	0.023	0.93	2.6	10.7	1.9	5.8	3.0
1934	105	14	63	28	0.024	0.92	3.4	11.2	2.5	7.1	3.0
1935	110	19	63	28	0.023	0.90	3.0	10.9	3.2	6.7	3.0
1936	118	28	63	27	0.024	0.87	2.7	10.7	2.6	7.1	3.0
1937	115	22	63	30	0.024	0.84	3.2	12.1	2.6	7.7	3.2
1938	120	28	63	29	0.019	0.81	3.6	11.1	3.1	7.5	3.2
1939	116	23	63	30	0.015	0.78	3.6	11.0	3.9	7.5	2.9
1940	120	25	63	32	0.014	0.75	3.3	13.6	4.6	7.5	1.8
1941	103	28	58	18	0.014	0.87	2.8	3.6	3.9	4.6	2.0
1942	96	20	58	18	0.014	1.11	3.1	3.0	4.7	3.8	2.4
1943	88	14	58	16	0.014	1.08	2.9	2.5	3.5	4.1	2.3
1944	81	8	58	14	0.014	0.70	3.3	2.7	2.3	3.5	1.9
1945	79	9	58	12	0.014	0.80	3.1	2.6	1.1	3.3	1.3
1946	81	10	59	11	0.015	0.80	2.4	1.2	1.3	4.0	1.4
1947	82	9	59	14	0.025	0.87	2.9	2.0	2.1	4.7	1.4
1948	86	12	59	14	0.025	0.82	2.6	2.1	2.4	5.1	1.5
1949	92	15	59	18	0.025	0.85	3.2	2.6	3.2	5.8	1.7
1950	100	19	59	21	0.025	0.90	4.1	3.3	3.7	7.4	2.0
1951	108	24	59	25	0.025	0.90	4.2	5.5	3.5	8.4*	2.0
1952	112	27	59	26	0.025	0.95	4.6	6.6	3.8	7.6	2.4
Plan ^{d/}		35				2.28*	4.0*	7.6*	6.0*	10.5*	4.5*

a. 1928-1940, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1941-1952, present boundaries.
 b. Manchuria is included but not Sinkiang, Sikang, or Tibet. The abrupt changes indicated in the numbers of hogs are the result of estimation based on incomplete data. Actual changes occurred more gradually.
 c. 1928-1940, non-West Germany, i.e., 1937 Germany minus 1951 West Zone; 1941-1952, Soviet Zone.
 d. USSR - January 1956; Bulgaria and Czechoslovakia - 1953 ^{1/}; East Germany - 1955 ^{1/}; Hungary - 1954 ^{1/}; Poland - 1955 ^{1/ 11/}; Rumania - 1955. ^{1/}

S-E-C-R-E-T

SECURITY INFORMATION

SHEEP AND GOATS

	Millions										
	Eloc	USSR ^{a/}	China ^{b/}	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany ^{c/}	Hungary	Poland	Rumania
Inventory											
1928	177	100	42	35	1.9	10.0	1.7	3.6	1.6	2.7	13.2
1929	176	100	42	34	1.9	10.0	1.7	3.3	1.6	2.8	12.8
1930	150	74	42	33	2.0	9.9	1.7	3.1	1.5	2.7	12.3
1931	129	54	42	34	2.2	9.9	1.7	3.1	1.5	2.8	12.8
1932	124	49	42	33	2.3	9.9	1.5	3.1	1.2	2.7	12.7
1933	110	35	42	33	2.4	9.8	1.3	3.0	1.1	2.8	12.6
1934	113	38	42	33	2.4	9.8	1.4	3.1	1.1	2.9	12.4
1935	118	42	42	33	2.5	9.8	1.5	3.1	1.3	3.2	12.2
1936	128	52	42	34	2.6	9.8	1.5	3.3	1.4	3.4	12.2
1937	133	56	42	36	2.6	9.8	1.7	3.6	1.5	3.6	12.8
1938	147	68	42	37	2.6	9.9	1.8	3.8	1.7	3.8	13.2
1939	148	69	42	37	2.5	9.9	1.7	3.8	1.9	3.8	13.2
1940	150	75	42	32	2.4	10.0	1.6	4.3	1.8	3.8	8.5
1941	157	92	36	29	2.4	9.8	1.6	4.9	1.3	2.8	9.6
1942	152	85	36	31	2.5	10.8	1.8	4.9	1.8	2.9	9.7
1943	136	71	36	29	2.5	9.5	1.9	4.9	1.3	3.1	9.0
1944	131	68	36	28	2.5	9.2	2.0	2.1	0.9	2.7	8.2
1945	127	69	36	22	2.6	7.7	2.2	1.6	0.4	1.1	6.8
1946	122	69	30	23	2.5	8.6	1.8	1.6	0.5	1.3	7.0
1947	124	69	30	25	2.6	9.7	1.6	1.6	0.6	1.6	7.3
1948	132	74	30	27	2.6	9.7	1.3	1.8	0.7	2.0	9.3
1949	145	85	30	30	2.6	9.7	1.4	2.1	0.8	2.2	11.3
1950	151	90	30	31	2.6	9.7	1.5	2.3	0.9	2.5	12.0
1951	159	99	30	31	2.6	9.2	1.5	2.4	0.8	2.8	11.4
1952	169	108 ^{d/}	30	32	2.7	9.4	1.6	2.5	1.0	3.1	12.1

- a. 1928-1940, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1941-1952, present boundaries.
 b. Manchuria is included, but not Outer Mongolia, Sinkiang, Sikang, or Tibet. Inventory averages for Outer Mongolia were as follows: prewar - 18.8 million; postwar - 20.1 million. The abrupt changes indicated in the numbers of sheep and goats are the result of estimation based on incomplete data. Actual changes occurred more gradually.
 c. 1928-1940, non-West Germany, i.e., 1937 Germany minus 1951 West Zone; 1941-1952, Soviet Zone.
 d. The planned inventory for January 1956 is 158 million.

S-E-C-R-E-T
SECURITY INFORMATION

MEAT ^{a/}

	Thousand Metric Tons										
	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany d/	Hungary	Poland	Romania
Production											
1928	11,147	3,809	4,745	2,593	11	145	408	1,075	208	445	301
1929	11,624	4,363	4,745	2,516	11	142	387	1,036	205	455	280
1930	10,402	3,218	4,745	2,439	12	140	379	998	192	457	261
1931	10,116	2,688	4,745	2,683	12	138	404	1,082	210	533	304
1932	9,594	2,244	4,745	2,605	13	136	391	1,048	192	528	297
1933	8,822	1,619	4,745	2,458	13	133	367	1,053	164	431	297
1934	9,124	1,664	4,745	2,715	14	131	416	1,175	192	490	297
1935	9,382	1,875	4,745	2,762	14	127	399	1,181	228	516	297
1936	9,902	2,434	4,745	2,723	14	127	372	1,157	199	559	295
1937	9,958	2,352	4,745	2,861	15	129	352	1,248	204	608	305
1938	10,815	3,148 ^{g/}	4,745	2,922	14	126	380	1,281	233	582	306
1939	10,255	2,627	4,745	2,883	14	124	375	1,197	291	582	300
1940	10,500	2,803	4,745	2,952	13	118	347	1,370	336	582	186
1941	9,498	3,203	4,366	1,929	13	124	300	432	283	593	184
1942	8,886	2,616	4,366	1,904	12	143	284	379	328	579	179
1943	8,198	2,108	4,366	1,724	11	140	257	332	244	565	175
1944	7,661	1,712	4,366	1,583	10	96	245	345	165	551	171
1945	7,639	1,817	4,366	1,456	9	93	227	333	91	537	166
1946	7,288	2,095	4,205	988	8	76	291 ^{f/}	156	84	219	154
1947	7,443	1,912	4,205	1,326	9	102	433 ^{f/}	224	121	283	154
1948	7,737	2,191	4,205	1,341	9	100	263 ^{f/}	229	137	420	183
1949	8,212	2,489	4,205	1,518	9	102	295 ^{f/}	264	177	479	192
1950	9,013	2,737	4,205	2,071	9	115	377 ^{f/}	428	213	724	205
1951	9,397	3,055	4,205	2,137	9	110	351 ^{f/}	490	179	801	197
1952	10,132	3,485	4,205	2,442	9	127	540 ^{f/}	619	246	659	242
For Capita											
1952	13 kg	17 kg	9 kg	27 kg	7 kg	17 kg	42 kg	33 kg	26 kg	26 kg	15 kg
1946-1951 (average)	11 kg	12 kg	9 kg	17 kg	7 kg	14 kg	27 kg	16 kg	16 kg	20 kg	11 kg
Plan ^{g/}											
Soviet Imports from Bloc ^{h/}	450		150 ^{i/}	300				1,357*		952*	

a. The table includes beef, veal, pork, lamb, mutton, goat, and buffalo meat but does not include slaughter fats, pork fat cuts, or bacon.
 b. 1928-1940, includes Estonia, Latvia, and Lithuania; 1941-1952 present boundaries.
 c. Manchuria is included but not Outer Mongolia, Sinkiang, Sikang, or Tibet. Production averages for Outer Mongolia were as follows: prewar - 51,000 metric tons; postwar - 197,000 metric tons. The abrupt changes indicated in the production of meat are the result of estimation based on incomplete data. Actual changes occurred more gradually.
 d. 1928-1940, prewar Germany minus West Germany; 1941-1952 East Germany.
 e. On a postwar boundary basis production would have been 3,465,000 metric tons.
 f. Includes horsemeat.
 g. East Germany - 1955 ^{1/}; Poland - 1955. ^{1/}
 h. Summer 1951 to Summer 1952.
 i. Includes imports of live animals from Outer Mongolia.

S-E-C-R-E-T

SECURITY INFORMATION

FISH

	Thousand Metric Tons										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Catch		900									
1928		956									
1929		1,283									
1930		1,441									
1931		1,335									
1932		1,303									
1933		1,547									
1934		1,550									
1935		1,620									
1936		1,609									
1937		1,560									
1938		1,490									
1939		1,400		71		3.0* b/	4.5* b/		6.5* b/	37* b/	20* b/
1940	1,471	1,200									
1941		1,070									
1942		1,233									
1943		1,300									
1944		1,060									
1945		1,170									
1946		1,500									
1947		1,629	1,530	99		7.2* b/	2.5* b/	15* b/	7.2* c/	60* b/	7.5* b/
1948		2,004	1,870	134		6.5* b/		28* b/	7.8* c/	72* b/	20* b/
1949		1,944	1,800 d/	144		6.0* b/		38* b/		80* b/	20* b/
1950		2,326	2,200	126				54* b/		72* e/	
1951		2,382	2,200	182						77* c/	
1952											
Per Capita											
1952		10 kg						6 kg		3 kg	
1948		8 kg				1 kg	0.2 kg	0.8 kg	0.8 kg	2.5 kg	0.5 kg
Plan f/						16.9	6.0	196		165	37

a. 1928-1940, prewar boundaries; 1941-1952, postwar boundaries.

b. 7/

c. Planned. 1/

d. Planned catch was 2.2 million metric tons.

e. 10/

f. Bulgaria and Czechoslovakia - 1953 1/ ; East Germany - 1955 1/ ; Poland - 1953 1/ ; Rumania - 1955. 1/

S-E-C-R-E-T

S E C R E T

SECURITY INFORMATION

V

FOOD BALANCE

(Pages 29-31)

Food Balance

S E C R E T

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SECURITY INFORMATION

USSR FOOD BALANCES, 1938-1939

	Million Metric Tons Unless Otherwise Indicated										
	Supply			Non-Food Uses				Supply For Food			
	Production	Stocks and/or Net Trade ^a	Total Supply	Seed and Waste	Feed	Industrial	Extraction Loss	Total Net Food	Kilograms Per Capita Per Year	Calories Per Day	Per Cent of Total Food ^c
GRAIN											
Wheat	35	- 2.7	32	7.1	0.022	0.10	3.7	21	108.80	1,043	34.8
Rye	21	- 1.7	19	3.5	0.13	0.89	2.2	13	65.30	610	30.3
Total Bread Grain	55	- 4.4	51	11	0.15	0.69	5.9	33	174.10	1,653	55.1
Barley	8.7	- 1.4	7.3	1.8	3.0	1.4	0.40	0.74	3.80	35	1.2
Oats	20	- 1.2	19	3.5	15		0.33	0.27	1.40	15	0.5
Corn	3.5	- 0.26	3.3	0.29	0.53	0.69	0.12	1.6	8.50	84	2.8
Other (Except Rice)	8.5	- 0.084	7.9	1.7	3.2		0.30	2.7	14.20	129	4.3
Total Coarse Grains	40	- 2.9	37	7.2	21	2.1	1.2	5.4	27.90	263	8.8
Rice	0.35	- 0.079	0.27	0.033			0.071	0.17	0.90	9	0.3
Total Grain	96	- 7.4	88	18	22	2.8	7.1	39	202.90	1,925	64.2
MEAT											
Beef and Veal	1.5		1.5					1.5	7.78	32	1.1
Pork	1.6		1.6					1.6	8.34	76	2.5
Mutton and Goat	0.46		0.46					0.46	2.42	19	0.6
Total Meat	3.6		3.6					3.6	18.54	127	4.2
POTATOES	77		77	21	18	1.3		36	187.84	360	12.0
SUGAR (Raw Value)	2.5		2.5				0.25	2.2 ^b	11.62	123	4.1
EDIBLE FATS AND OILS											
Edible Vegetable Oils	0.86		0.86			0.36		0.49	2.56	62	2.1
Butter (Creamery)	0.25		0.25					0.25	1.30	32	1.1
Slaughter Fat	0.40		0.40					0.40	2.10	49	1.6
Whale Oil	0.003		0.003			0.001		0.002	Negligible		
Total Fats and Oils	1.5		1.5			0.37		1.1	5.96	143	4.8
EDIBLE OILSEEDS	5.4	Negligible	5.4	0.86	0.079	4.1		0.42	2.20	21	0.7
OTHER FOOD ^c										300	10.0
TOTAL FOOD										2,999	100.0

a. Caloric basis.

b. Refined.

c. Includes milk, eggs, cheese, vegetables, fish, and other less important items.

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SECURITY INFORMATION

USSR FOOD BALANCES, 1951-1952

	Supply		Non-Food Uses					Million Metric Tons Unless Otherwise Indicated			
	Production	Stocks and/or Net Trade ±	Total Supply	Seed and Waste	Feed	Industrial	Extraction Loss	Total Net Food	Per Capita Kilograms Per Year	Calories Per Day	Per Cent of Total Food a/
GRAIN											
Wheat	37	- 1.9	35	7.5	1.1	0.10	3.9	22	108.90	1,044	38.0
Rye	21	- 0.20	21	4.1	0.46	1.4	2.3	13	63.40	592	21.5
Total Bread Grain	58	- 2.1	56	12	1.5	1.5	6.2	35	172.30	1,636	59.5
Barley	7.0	- 0.70	6.3	1.4	3.5	0.50	0.32	0.59	2.90	27	1.0
Oats	12	- 0.30	11	2.4	8.7		0.19	0.16	0.80	8	0.3
Corn	3.5	- 0.50	3.0	0.29	0.97		0.12	1.6	8.00	79	2.9
Other (Except Rice)	5.8	- 0.050	5.8	1.5	2.0		0.22	2.0	9.80	89	3.2
Total Coarse Grain	28	- 1.6	27	5.7	15	0.50	0.86	4.4	21.50	203	7.4
Rice	0.37		0.37	0.036			0.10	0.23	1.10	11	0.4
Total Grain	87	- 3.7	83	17	17	2.0	7.2	40	194.90	1,850	67.3
MEAT											
Beef and Veal	1.4	- 0.12	1.3					1.3	6.34	26	0.9
Pork	1.2	- 0.12	1.0					1.6	8.34	76	2.5
Mutton and Goat	0.58	- 0.020	0.56					0.56	2.70	21	0.8
Total Meat	3.2	- 0.25	2.9					2.9	14.08	93	3.4
POTATOES	77		71	21	18	1.5		31	148.83	285	10.4
SUGAR (Raw Value)	2.1	+ 0.10	2.2	2.0			0.22	2.0	9.49	101	3.7
EDIBLE FATS AND OILS											
Edible Vegetable Oils	0.83	+ 0.030	0.86			0.39		0.47	2.32	57	2.1
Butter (Creamy)	0.36	- 0.035	0.33					0.33	1.61	39	1.4
Slaughter Fat	0.29	- 0.090	0.20					0.20	0.98	23	0.8
Whale Oil	0.035		0.035			0.012		0.023	0.11	3	0.1
Total Fats and Oils	1.5		1.5			0.37		1.1	5.96	122	4.4
EDIBLE OILSEEDS	4.9	- 0.60	5.5	0.81	0.10	4.1		0.45	2.20	21	0.8
OTHER FOOD b/										275	10.0
TOTAL FOOD										2,747	100.0

a. Caloric basis.

b. Includes milk, eggs, cheese, vegetables, fish, and other less important items.

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S-E-C-R-E-T

SECURITY INFORMATION

USSR FOOD BALANCES, 1952-1953

	Supply		Non-Food Uses					Million Metric Tons Unless Otherwise Indicated			
	Production	Stocks and/or	Total Supply	Seed and Waste	Non-Food Uses			Total Net Food	Supply For Food		Per Cent of Total Food a/
		Net Trade ±			Feed	Industrial	Extraction Loss		Kilograms Per Year	Calories Per Day	
GRAIN											
Wheat	40	- 4.2	36	8.2	0.81	0.14	4.0	23	110.30	1,058	37.6
Rye	21	- 0.20	21	4.0	0.24	2.0	2.2	12	59.90	560	19.9
Total Bread Grain	61	- 4.4	57	12	1.1	2.1	6.2	35	170.20	1,618	57.4
Barley	7.3	- 0.59	6.7	1.3	4.0	0.36	0.34	0.64	3.10	28	1.0
Oats	12	- 0.10	12	2.3	9.3		0.21	0.17	0.80	8	0.28
Corn	3.9	- 0.50	3.4	0.31	1.1		0.14	1.8	8.70	86	3.1
Other (Except Rice)	6.7	- 0.10	6.6	1.6	2.4		0.25	2.3	11.00	100	3.5
Total Coarse Grains	30	- 1.3	29	5.6	17	0.36	0.94	4.9	23.60	222	9.7
Rice	0.37		0.37	0.039			0.099	0.23	1.10	11	0.4
Total Grain	92	- 5.7	86	18	18	2.5	7.3	40	194.90	1,851	65.7
MEAT											
Beef and Veal	1.5	- 0.14	1.3					1.3	6.31	26	0.9
Pork	1.3	- 0.14	1.1					1.1	5.41	49	1.7
Mutton and Goat	0.64	- 0.020	0.62					0.62	2.96	23	0.8
Total Meat	3.4	- 0.30	3.1					3.1	14.68	98	3.4
POTATOES	79		79	24	16	1.7		37	174.54	335	11.9
SUGAR (Raw Value)	2.3	+ 0.10	2.3				0.23	2.0	9.72	103	3.6
EDIBLE FATS AND OILS											
Edible Vegetable Oils	0.88	+ 0.030	0.91			0.39		0.53	2.49	60	2.1
Butter (Creamy)	0.39	- 0.050	0.34					0.34	1.62	39	1.3
Slaughter Fats	0.32	- 0.10	0.22					0.22	1.06	25	0.9
Whale Oil	0.035		0.035			0.012		0.023	0.11	3	0.1
Total Fats and Oils	1.6	- 0.12	1.5			0.40		1.1	5.28	127	4.5
EDIBLE OILSEEDS	5.3	+ 0.40	5.7	0.83	0.10	4.3		0.66	2.20	21	0.7
OTHER FOOD b/										282	10.0
TOTAL FOOD										2,817	100.0

a. Caloric basis.

b. Includes milk, eggs, cheese, vegetables, fish, and other less important items.

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SECURITY INFORMATION

VI

FIBERS, TEXTILES, AND BOOTS AND SHOES

(Pages 33-43)

Fibers, Textiles, and
Boots and Shoes

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SECURITY INFORMATION

RAW COTTON

	Thousand Metric Tons										
	Eloc	USSR g/	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		821									
1929		864									
1930		1,113									
1931		1,220									
1932		1,271									
1933		1,315									
1934		1,176									
1935		1,680									
1936		1,937									
1937		2,323									
1938	4,862	2,517	2,322	23		22.8					0.5
1939		2,738									
1940		2,495									
1941		1,708									
1942		1,483									
1943		1,115									
1944		1,186									
1945		1,244									
1946		1,449									
1947		1,595									
1948		2,027									
1949		2,095									
1950		2,821 b/									
1951	5,112	3,085	1,959	68		37.2			8.1		22.5
1952	4,600	2,700	1,827	74		39.0			12.0		22.5
Plan c/		4,400	2,119			60.0			47.9		230.0
Trade with the West, 1952											
Imports			140	131.4							
Exports											
Soviet Trade with Eloc, 1952											
Imports											
Exports				537							
Consumption, 1952	4,871	2,000									

a. Ginned cotton as a percentage of raw cotton averaged 29.33 per cent during the period 1938-1940. Estimates of raw cotton production for the years 1941-1945 were obtained as follows: known ginned - 29.33; as unknown raw - 100.
 b. Planned production for 1950 was 3.1 million metric tons.
 c. Plan data are for the following years: USSR and Rumania - 1955; China and Bulgaria - 1953; Hungary - 1954.

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SECURITY INFORMATION

PRODUCTION OF GINNED COTTON ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		244									
1929		261									
1930		328									
1931		400									
1932		388									
1933		379									
1934		420									
1935		439									
1936		583									
1937		695									
1938	1,241	732	501	8	0	7.0	0	0	0	0	0.7
1939		814									
1940		728									
1941		501									
1942		435									
1943		327									
1944		348									
1945		365									
1946	900	470	420	10	0	8.8	0	0	0	0	0.9
1947	989	517	465	7	0	6.1	0	0	0	0	1.1
1948	1,135	657	469	9	0	6.5	0	0	0	0	2.1
1949	1,060	679	370	10	0.2	7.5	0	0	Negligible	0	2.8
1950	1,459	914	529	16	0.6	8.1	0	0	1.0	0	6.0
1951	1,648	972	653	23	1.0	12.5	0	0	2.4	0	7.5
1952	1,500	874	609	17	0.7	10.0	0	0	0.8	0	5.5

a. Postwar boundaries.

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SECURITY INFORMATION

GINNED COTTON POSITION OF THE USSR

Year	Production	Imports	Exports	Net Trade	Thousand Metric Tons	
					Mill Consumption	Net Surplus(+) Or Deficit (-)
1928	244					
1929	261	115	3	+ 112	380	- 7
1930	328	58	10	+ 48	325	+ 51
1931	400	54	41	+ 13	349	+ 64
1932	388	24	18	+ 6	407	- 13
1933	379	22	0	+ 22	405	- 4
1934	420	25	7	+ 18	444	- 6
1935	439	44	0	+ 44	417	+ 66
1936	583	17	0	+ 17	528	+ 72
1937	695	22	38	- 16	585	+ 94
1938	732	17	8	+ 9	626	+115
1939	814		7		626	+182
1940	728	32			649	+111
1941	501					
1942	435					
1943	327					
1944	348					
1945	365					
1946	470					
1947	517					
1948	657					
1949	679					
1950	914					
1951	972					
1952	874					

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SECURITY INFORMATION

PRODUCTION OF COTTON LINT

Thousand Metric Tons

	Eloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928	790	254	534	0.7	0	0.7	0	0	0	0	
1929	737	277	459	0.9	0	0.9	0	0	0	0	
1930	878	345	533	0.8	0	0.8	0	0	0	0	
1931	788	400	387	0.9	0	0.9	0	0	0	0	
1932	894	403	490	1.4	0	1.3	0	0	0	0	0.1
1933	958	364	591	2.8	0	2.4	0	0	0	0	0.4
1934	1,088	408	677	3.4	0	3.2	0	0	0	0	0.2
1935	1,077	490	581	6.7	0	6.5	0	0	0	0	0.2
1936	1,590	741	842	6.7	0	6.5	0	0	0	0	0.2
1937	1,591	806	774	11.7	0	11.3	0	0	0	0	0.4
1938	1,336	827	501	7.7	0	7.0	0	0	0	0	0.7
1939	1,288	871	410	7.8	0	6.7	0	0	0	0	1.1
1940	1,175	653	512	9.3	0	7.8	0	0	0	0	1.5
1941	1,030	501	524	5.0	0	3.5	0	0	0	0	1.5
1942	913	435	479	3.5	0	2.4	0	0	0	0	1.1
1943	855	327	527	2.1	0	1.7	0	0	0	0	0.4
1944	699	348	348	2.8	0	2.4	0	0	0	0	0.4
1945	769	370	396	2.6	0	2.2	0	0	0	0	0.9
1946	913	488	420	5.3	0	4.4	0	0	0	0	1.1
1947	995	522	465	7.2	0	6.1	0	0	0	0	1.7
1948	1,043	566	469	8.2	0	6.5	0	0	0	0	1.7
1949	964	588	370	5.6	0	2.2	0	0	0.09 b/	0	3.3
1950	1,255	718	529	8.0	0	1.7	0	0	3.0 b/	0	3.3
1951	1,517	827	675 c/	11.7	0	3.3	0	0	7.5 b/	0	3.9

a. Includes Manchuria.
 b. Planned production.
 c. Planned production for 1953 is 706,000 metric tons.

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SECURITY INFORMATION

COTTON YARN a/

Production	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928	962	329	363	270		2.3	120	58	12	67	10
1929	981	354	363	264		2.8	114	58	12	67	10
1930	891	287	363	241		3.5	89	58	14	66	10
1931	927	314	394	219		4	78	58	14	55	10
1932	963	355	394	214		5	68	58	17	54	12
1933	1,001	367	394	240		7	75	58	22	62	16
1934	1,049	388	394	257		10	89	58	24	70	16
1935	1,043	379	394	270		12	88	58	24	72	16
1936	1,155	480	394	281		15	88	58	25	78	16
1937	1,209	533	394	282		15	89	58	26	78	16
1938	1,103	559	300	244	Negligible	15	70	58	20	64	16
1939	1,114	596	300	218		15	50	58	29	50	16
1940	1,088	595	300	193		10	50	58	23	40	12
1941	843	450	300	93		6	15	40	12	15	5
1942	742	380	300	62		4	8	30	8	8	3.5
1943	619	280	300	39		4	8	10	5.6	8	3.5
1944	586	250	300	36		4	8	10	2.8	8	3.5
1945	606	254	300	52		4	15	10	2.8	16	3.5
1946	707	299	300	108	Negligible	6	35	14	12	33	8
1947	868	398	299	171	Negligible	8	59 <u>b/</u>	14	19	59	11
1948	1,029	493	336	200	Negligible	12	68 <u>b/</u>	4	22	82	12
1949	1,050	562	260	228	Negligible	15	76	7	26	91	12
1950	1,173	607	325	241	0.2	15	75	17	28	92	14
1951	1,235	630	354	251	0.3 <u>c/</u>	15	75	25	28	92	16
1952	1,265	650	354	261	0.7	15	75 <u>b/</u>	34	28	92	16

a. Present boundaries. No homespun is included.

b. Planned production for 1953 is 114,000* metric tons. 7/ Planned production for 1947 and 1948 was 53,000* and 73,000* metric tons, respectively. 9/c. Planned production was 580* metric tons. 7/

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF WOOL ^{a/}

	Thousand Metric Tons										
	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany d/	Hungary	Poland	Rumania
1928	274	178	35	60	1.4	10	1.7	9.0	5.2	4.4	29
1929	276	179	35	62	1.4	10	1.7	8.4	5.2	4.7	30
1930	234	139	35	60	1.6	10	1.7	7.8	5.9	4.4	29
1931	196	98	41	58	1.8	12	0.9	7.8	5.8	4.4	25
1932	162	66	41	55	1.9	11	0.5	7.7	4.9	4.3	25
1932	162	66	41	56	1.9	12	0.4	7.6	4.2	4.4	25
1933	158	62	41	54	2.0	13	0.4	7.8	5.0	4.4	21
1934	159	65	41	53	2.0	13	0.5	7.8	5.9	4.9	18
1935	168	74	41	52	2.1	13	0.5	8.3	6.6	3.1	18
1936	185	92	41	53	2.0	13	0.4	9.0	6.8	3.1	18
1937	200	106	41	53	2.0	13	0.4	9.5	6.2	3.1	18
1938	224	130	41	53	2.0	13	0.4	9.5	5.1	3.1	18
1939	222	132	39	52	1.9	13	0.4	9.5	5.1	3.1	18
1940	233	143	39	51	1.9	12	0.4	10.6	4.6	3.1	18
1941	247	155	39	54	1.8	14	0.6	4.8	5.7	4.5	22
1942	228	136	39	53	1.7	14	0.6	4.7	5.9	4.1	22
1943	202	114	39	49	1.8	13	0.6	4.9	3.9	3.6	21
1944	190	108	34	47	1.9	11	0.6	5.3	3.7	3.4	22
1945	185	110	34	41	1.8	9	0.6	4.1	1.0	3.2	22
1946	182	111	34	37	2.2	11	0.6	3.0	1.1	1.1	18
1947	185	110	34	40	2.2	12	0.8	3.0	1.5	1.5	19
1948	195	119	34	42	2.2	12	0.8	3.0	2.0	2.2	20
1949	204	126	34	44	2.2	13	1.0	3.0	2.2	2.2	20
1950	219	140	34	45	2.2	13	1.2	2.9	2.2	2.2	21
1951	228	146	34	48	2.3	13	1.2	3.3	2.8	2.7	22
1952	235	151	34	50	2.4	13	1.2	3.7	3.7	3.2	23

a. Grease weight.

b. 1928-1940, postwar boundaries excepting territories acquired from Czechoslovakia, Germany, Rumania, and Poland; 1941-1952, present boundaries.

c. Manchuria is included but not Outer Mongolia. The average production of Outer Mongolia, 1946-1950, was 6,200 metric tons.

d. 1928-1940, non-West Germany, i.e., 1937 Germany minus 1951 West Zone; 1941-1952, Soviet Zone.

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S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF WOOL YARN ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Rumania
1928	110	50	1.0	90		1.5	30	30	3.3	23	2.0
1929	118	57	1.0	90		1.5	30	30	3.3	23	2.0
1930	162	71	1.0	90		1.5	30	30	3.3	23	2.0
1931	168	73	2.0	93		1.5	30	30	4.1	25	2.0
1932	162	71	2.5	89		1.5	30	30	4.1	21	2.0
1933	172	67	2.5	102		1.5	30	40	5.0	24	2.0
1934	175	61	2.5	112		1.5	35	40	5.8	27	3.0
1935	184	65	2.5	116		3.0	30	42	8.1	30	3.0
1936	183	73	2.5	107		4.0	16	42	7.6	33	5.0
1937	200	78	2.5	120		4.0	27	42	6.6	34	6.0
1938	205	78	2.5	124	Negligible	4.0	27	42	10.2	34	7.0
1939	199	78	2.5	119		4.0	20	42	11.6	34	7.0
1940	185	78	2.5	104		3.0	15	42	13.2	25	6.0
1941	110	65	2.0	43		1.5	10	8	11.7	10	1.5
1942	87	55	2.0	30		1.5	8	6	5.0	8	1.5
1943	77	45	2.0	30		1.5	8	6	5.0	8	1.5
1944	56	30	2.0	24		1.5	8	4	1.2	8	1.5
1945	57	32	2.0	22		1.5	8	2	1.2	8	1.5
1946	90	44	2.5	43	Negligible	1.5	17	3	1.2	19	1.5
1947	124	56	2.5	66	Negligible	1.5	30	4	4.0	24	2.0
1948	157	71	2.5	83	Negligible	3.0	32	4	8.2	33	2.5
1949	182	85	2.5	94	Negligible	3.0	35	4	10.0	39	3.0
1950	186	88	3.0	95	Negligible	3.0	30	5	11.0	42	4.0
1951	192	90	3.0	99	Negligible	4.0	30	7	11.0	42	4.6
1952	191	92	3.0	95	Negligible	4.5	27 ^{b/}	8	11.0	40	5.2

a. Present boundaries. Homespun yarn not included.

b. Planned production for 1953 is 42,000* metric tons. 7/

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF HEMP FIBER

	Thousand Metric Tons										
	Eloc	USSR a/	China b/	European Satellites	Alcania	Bulgaria	Czecho- slovakia	East Germany c/	Hungary	Poland d/	Rumania d/
1928	415	354	10	51		1.2	7.1	0.6	5.4	20	16
1929	381	315	10	56		1.3	6.2	0.4	6.4	22	19
1930	336	275	10	51		1.5	4.1	0.3	7.0	21	17
1931	297	228	10	53		1.5	4.2	0.3	5.0	20.2	27
1932	240	174	10	55		1.7	6.0	0.8	6.4	14	26
1933	220	156	10	53		2.1	5.3	1.4	8.1	10	26
1934	199	134	10	55		2.7	6.0	2.2	8.7	10	25
1935	204	140	10	54		3.4	5.8	3.0	6.7	12	23
1936	216	140	10	66		3.3	5.8	3.7	12	12	29
1937	216	140	9	66		4.6	4.9	5.6	13	12	27
1938	208	120	12	76	Negligible	4.1	5.0	9.8	14	12	30
1939	206	110	15	82		4.0	2.9	10.2	14	12	39
1940	207	137	12	58		6.3	3.8	3.7	11	9.0	24
1941	185	100	10	75		6.3	4.1	3.3	12	8.8	40
1942	170	80	10	80		5.8	3.5	2.9	12	8.4	48
1943	157	60	10	87		4.1	4.9	2.8	17	8.6	49
1944	135	65	8	62		3.1	5.0	2.9	6.7	6.1	38
1945	124	70	8	46		1.7	2.3	1.2	6.7	3.6	31
1946	131	73	9	49	Negligible	2.9	3.5	1.5	7.4	3.6	30
1947	133	91	10	32	Negligible	4.2	2.7	1.7	7.5	2.6	14
1948	208	142	11	56	Negligible	5.0	3.6	1.7	14.2	4.2	27
1949	246	174	11	61	Negligible	5.5	3.8	1.5	17	5.6	28
1950	247	174	11	62	Negligible	5.0	3.7	1.5	17	5.6	29
1951	248	174	11	63	Negligible	5.0	4.1	1.5	17	5.6	30
1952	282 e/	176		62	Negligible	5.0	3.7	1.7	17	5.6	29

a. 1928-1939, prewar USSR; 1940-1952, postwar boundaries.

b. Manchuria only. Production for China and Manchuria is estimated at 44,000 metric tons annually for 1938 and 1946-1952.

c. 1928-1939, non-West Germany, i.e., Soviet Zone plus territory ceded to Poland and the USSR; 1940-1952, Soviet Zone only.

d. 1928-1939, prewar boundaries; 1940-1952, present boundaries.

e. Includes China and Manchuria; see footnote b.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF RAW SILK a/

	Thousand Metric Tons										
	Eloc	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928	11.0	0.6	10.2	0.2		0.2		0			
1929	11.1	0.7	10.2	0.2		0.2		0			
1930	8.7	0.8	7.8	0.1		0.1		0			
1931	7.7	0.8	6.8	0.1		0.1		0			
1932	5.0	0.7	4.2	0.1		0.1		0			
1933	7.2	0.9	6.2	0.1		0.1		0			
1934	5.6	1.1	4.4	0.1		0.1		0			
1935	7.3	1.6	5.6	0.1		0.1		0			
1936	6.2	1.7	4.4	0.1		0.1		0			
1937	6.7	1.7	4.9	0.1		0.1		0			
1938	5.7	1.7	3.9	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1939	5.4	1.7	3.6	0.1		0.1		0			
1940	5.3	1.7	3.5	0.1		0.1		0			
1941	4.5	1.4	3.0	0.1		0.1		0			
1942	4.5	1.4	3.0	0.1		0.1		0			
1943	4.5	1.4	3.0	0.1		0.1		0			
1944	4.5	1.4	3.0	0.1		0.1		0			
1945	4.5	1.4	3.0	0.1		0.1		0			
1946	5.4	1.5	3.8	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1947	5.7	1.5	4.1	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1948	6.4	1.5	4.8	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1949	6.0	1.5	4.4	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1950	6.1	1.5	4.5	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1951	6.1	1.5	4.5 <u>c/</u>	0.1	Negligible	0.1	Negligible	0	Negligible	Negligible	Negligible
1952	6.4	1.6	4.6	0.2	Negligible	0.2	Negligible	0	Negligible	Negligible	Negligible

a. All data pertains to present boundaries.
 b. 1928-1945, export data; 1946-1952, production data. Production in 1936 was 15,500 metric tons.
 c. Planned production was 4,800* metric tons. 2/ This plan figure was obtained by applying a CIA conversion factor to the planned production of silk cocoons.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF FLAX ^{a/}

Thousand Metric Tons

	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria	Czecho- slovakia d/	East Germany e/Hungary	Poland d/	Rumania d/	
1928	467	381	15	71		0.1	10	5.0	1.3	53	1.8
1929	527	426	15	86		0.1	9.4	4.6	3.6	66	2.7
1930	548	469	15	64		0.1	5.8	3.9	7.1	44	2.7
1931	655	586	15	54		0.2	3.4	3.0	6.0	34	7.1
1932	581	528	15	39		0.1	3.3	1.8	2.3	26	5.6
1933	640	584	15	42		0.1	3.6	1.8	3.4	27	6.3
1934	643	578	15	50		0.3	5.6	3.1	2.7	31	7.5
1935	700	618	15	66		0.4	6.8	7.8	2.1	40	9.5
1936	731	636	15	79		0.1	9.5	17	3.9	37	12
1937	696	601	15	80		0.5	11	19	3.0	38	8.7
1938	695	601	9	85	Negligible	0.3	19	17	3.5	40	6.3
1939	779	689	9	81		0.4	19	18	2.9	36	5.7
1940	789	698	9	82		0.4	19	18	3.8	36	5.4
1941	778	689	9	80		1.2	16	13	3.5	30	16
1942	438	338	9	91		1.0	17	16	7.9	33	15
1943	378	284	9	85		0.8	12	16	9.1	31	17
1944	435	350	9	76		0.9	13	16	9.0	28	8.5
1945	421	382	9	30		0.3	5.8	4.2	0.9	12	7.3
1946	436	395	9	32	Negligible	0.4	9.5	3.0	0.9	6.5	12
1947	432	400	9	23	Negligible	0.4	6.5	2.4	1.0	11	1.7
1948	473	410	9	54	Negligible	0.4	11	3.6	2.2	32	3.7
1949	600	529	9	62	Negligible	0.4	12	5.0	2.6	38	4.0
1950	617	540	9	68	Negligible	0.7	12	8.0	3.9	38	5.4
1951	617	540	9	68	Negligible	0.7	12	8.0	3.9	38	5.0
1952	618	540	9	69	Negligible	0.7	12	8.0	3.9	38	5.7

a. Scythed.

b. 1938-1940, includes prewar USSR, Latvia, Lithuania, and Estonia; 1941-1952, present boundaries.

c. Manchuria only.

d. 1928-1940, prewar boundaries; 1941-1952, present boundaries.

e. 1928-1940, prewar Germany minus West Germany; 1941-1952, present Soviet Zone.

S-E-C-R-E-T

SECURITY INFORMATION

BOOTS AND SHOES ^{a/}

	Million Pairs										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	133	72		61		1.9	23	15	4.6	12.3	3.9
1929	141	80		61		1.9	23	15	4.6	12.3	3.9
1930	161	97		64		1.9	23	15	4.6	15.8	3.9
1931	170	103		67		2.0	23	18	4.6	15.8	3.9
1932	155	89		66		2.0	25	18	4.6	12.0	3.9
1933	148	80		68		2.0	30	18	4.6	9.0	3.9
1934	153	76		77		2.0	35	20	4.6	11.7	3.9
1935	170	90		80		2.0	40	20	4.6	9.3	3.9
1936	217	125		92		2.0	50	22	4.6	9.3	4.5
1937	265	166		98		2.0	55	22	4.7	10.3	4.5
1938	287	190		98	Negligible	2.0	50	25	4.7	11.3	4.5
1939	284	195		89		2.0	40	25	4.8	12.3	4.5
1940	275	205		70		1.7	21	25	4.6	14.1	4.0
1941	232	180		52		1.5	15	20	3.0	10.3	2.0
1942	135	100		35		0.9	10	15	2.0	5.0	1.7
1943	117	88		29		0.9	10	12	1.0	3.0	1.7
1944	117	88		29		0.9	10	12	1.0	3.0	1.7
1945	122	88		34		0.9	15	12	1.5	2.0	2.4
1946	154	99		55	Negligible	1.0	31	16	3.0	2.0	2.4
1947	238	161		76	Negligible	1.0	50	15	4.7	2.6	2.4
1948	299	206		93	Negligible	1.3	64	15	4.9	4.8	2.8
1949	357	255		102	0.07	1.6	64	20	5.3	7.3	3.5
1950	406	311		96	0.27	1.7	54	21	6.0	8.4	4.5
1951	458	357		101	0.30	2.0	54	22	6.2	11.1	5.5
1952	480	374		106	0.32	2.2	54	24	7.1	12.0	6.5
Per Capita											
1952		1.8 pr		1.2 pr	0.2 pr	0.3 pr	4.2 pr	1.3 pr	0.8 pr	0.5 pr	0.4 pr
1946-1951 (average)		1.2 pr		1.0 pr	0.1 pr	0.2 pr	4.2 pr	1.0 pr	0.5 pr	0.2 pr	0.2 pr

a. Includes factory-made footwear of leather, rubber, canvas, and other fabrics.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

VII

TIMBER PRODUCTS

(Pages 45-47)

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ROUNDWOOD ^{a/}

	Million Cubic Meters (Roundwood)										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928	318	251		67		3.0	15.5		2.0	27	20
1929	312	246		66		3.0	17.0		2.6	24	20
1930	313	252		61		3.0	18.2		3.2	18	19
1931	324	267		57		2.8	16.0		3.2	17	18
1932	320	265		55		3.1	15.0		3.5	16	17
1933	315	262		53		2.5	14.0		3.7	16	16
1934	327	275		52		3.5	11.4		3.4	17	17
1935	330	276		54		4.8	11.6		3.4	17	17
1936	335	281		54		4.5	11.9		2.8	17	18
1937	364	308		56		4.1	12.9		3.1	18	19
1938	412	322	20	70	1.0	3.7	13.0	13.0	3.1	17	19
1939											
1940											
1941											
1942											
1943											
1944											
1945											
1946	440	350	20	70	1.0	4.0	11.1	18.9	4.4	12	18
1947	437	355	20	62	1.2	5.2	10.5	18.9	3.0	12	12
1948	440	360	20	60	1.5	6.0	10.5	15.4	3.0	11	12
1949	455	365	20	59	1.7	6.5	11.8	11.7	3.0	12	12
1950	356	370	25	60	2.0	7.0	12.0	12.0	3.0	12	12
1951	464	375	25	64	2.2	8.4	11.8	12.0	3.0	13	14
1952	471	380	25	66	2.3	9.6	11.5	11.5	3.0	13	15

a. Satellite boundaries are defined as follows: 1928-1938, postwar boundary equivalents; 1946-1952, postwar boundaries. Data are comparable since territorial changes have had little effect on the total wood production of any country for which prewar years are shown.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF INDUSTRIAL WOOD g/

	Million Cubic Meters (Roundwood)										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928	73	40		33		0.80	10.0		0.25	11.0	7.6
1929	78	45		33		0.80	11.0		0.30	12.5	8.0
1930	80	50		30		0.76	11.6		0.40	9.5	7.5
1931	83	55		28		0.68	10.0		0.40	9.5	7.5
1932	87	60		27		0.74	9.5		0.48	9.5	7.0
1933	92	65		27		0.66	9.0		0.50	9.5	7.1
1934	95	70		25		1.00	6.9		0.29	9.6	7.0
1935	105	80		25		0.95	7.1		0.37	10.0	7.0
1936	117	90		27		1.00	8.5		0.37	10.0	7.0
1937	127	100		27		1.00	9.2		0.40	10.2	6.6
1938	155	110	10	35	0.02	0.70	9.5	7.5	0.40	10.0	7.0
1939											
1940											
1941											
1942											
1943											
1944											
1945											
1946	200	160	7	33	0.10	1.00	7.0	9.3	0.78	8.8	6.0
1947	213	175	7	31	0.10	1.30	6.8	9.7	0.60	8.5	4.0
1948	223	185	7	31	0.15	1.50	7.2	9.7	0.70	8.7	3.5
1949	228	190	7	31	0.17	2.00	8.0	7.2	0.80	9.0	3.5
1950	233	190	10	33	0.20	2.00	8.5	8.0	0.80	9.0	4.5
1951	239	193	10	36	0.40	2.35	8.5	8.0	0.80	10.0	5.6
1952	253	205	10	38	0.60	2.70	8.5	8.0	0.90	10.0	7.2

a. Satellite boundaries are defined as follows: 1928-1938, postwar boundary equivalents; 1946-1952, postwar boundaries. Data are comparable, since territorial changes have had little effect on the total wood production of any country for which prewar years are shown.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF FUELWOOD ^{a/}

	Million Cubic Meters (Roundwood) ^{b/}										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928	245	211		34		2.2	5.5		1.8	13.0	12.0
1929	235	201		34		2.2	6.0		2.2	11.5	11.8
1930	233	202		31		2.2	6.6		2.8	8.5	11.3
1931	241	212		29		2.1	6.0		2.8	7.5	10.9
1932	233	205		28		2.3	5.5		3.1	6.5	10.4
1933	223	197		26		1.8	5.0		3.2	6.5	9.4
1934	232	205		27		2.5	4.5		3.1	7.0	10.2
1935	224	196		28		3.9	4.5		3.0	7.0	9.7
1936	218	191		27		3.5	3.4		2.5	7.0	11.0
1937	237	208		29		3.1	3.7		2.7	7.5	12.0
1938	257	212	10	35	1.0	3.0	3.5	5.5	2.7	7.0	12.0
1939											
1940											
1941											
1942											
1943											
1944											
1945											
1946	240	190	13	37	0.9	3.0	4.1	9.6	3.6	3.7	12.0
1947	224	180	13	31	1.1	3.9	3.6	9.2	2.4	3.0	8.0
1948	216	175	13	28	1.4	4.5	3.3	5.7	2.3	2.5	8.5
1949	216	175	13	28	1.5	4.5	3.8	4.5	2.2	2.8	9.0
1950	222	180	15	27	1.8	5.0	3.5	4.0	2.2	3.0	8.0
1951	225	182	15	28	1.8	6.0	3.3	4.0	2.2	3.0	8.0
1952	218	175	15	28	1.7	6.9	3.0	3.5	2.1	3.0	7.5

a. Satellite boundaries are defined as follows: 1928-1938, postwar boundary equivalents; 1946-1952, postwar boundaries. Data are comparable, since territorial changes have had little effect on the total wood production of any country for which prewar years are shown.

S-E-C-R-E-T

SECURITY INFORMATION

Electric Power, Fuels,
and Lubricants

VIII

ELECTRIC POWER, FUELS, AND LUBRICANTS

(Pages 49-59)

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

ANTHRACITE AND BITUMINOUS COAL

	Million Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	144	32	25	86		0.07	15	4.0	0.8	66	0.40
1929	158	37	25	96	0	0.08	17	4.2	0.8	74	0.37
1930	150	43	26	80	0	0.07	14	3.6	0.8	61	0.30
1931	161	57	27	77	0	0.09	13	3.1	0.8	60	0.29
1932	148	58	26	64	0	0.10	11	3.1	0.9	48	0.19
1933	158	67	28	62	0	0.08	11	3.1	0.8	47	0.20
1934	182	83	33	66	0	0.08	11	3.4	0.8	51	0.23
1935	198	95	36	68	0	0.09	11	3.4	0.8	52	0.28
1936	222	110	39	73	0	0.10	12	3.5	0.8	56	0.29
1937	235	110	37	88	0	0.12	17	3.7	0.9	66	0.30
1938	237	114	32	90	0	0.15	16	3.5	1.0	69	0.30
1939	252	124	39	89	0	0.16	19	3.3	1.1	66	0.29
1940	289	139	47	103	0	0.22	21	2.9	1.2	77	0.30
1941	270	109	59	102	0	0.21	21	3.0	1.3	76	0.26
1942	226	49	65	111	0	0.22	23	2.9	1.2	84	0.28
1943	244	61	63	121	0	0.20	24	2.9	1.4	91	0.31
1944	261	85	62	114	0	0.12	23	2.5	1.0	87	0.20
1945	168	107	19	42	0	0.06	12	2.0	0.7	27	0.21
1946	198	116	17	65	0	0.06	11	2.5	0.7	47	0.17
1947	231	131	20	79	0	0.07	16	2.8	1.1	59	0.16
1948	263	150	20	92	0	0.16	18	2.8	1.2	70	0.19
1949	291	170	25	96	0	0.19	17	3.0	1.4	74	0.19
1950	323	190 ^{a/}	32	101	0	0.21	18	2.8	1.4	78	0.20
1951	346	205	36 ^{b/}	106	0	0.29	18 ^{c/}	3.2	1.6	82	0.25
1952	372	220	42	110	0	0.38	20 ^{c/}	2.9 ^{d/}	2.0	84 ^{e/}	0.25
Plan ^{f/}			65			0.50*	21	3.2	1.5*	100	
Imports		3 ^{g/}									
Exports			3 ^{h/}							27* ^{i/}	
Availability		232 ^{j/}	39 ^{j/}								
Consumption		238* ^{k/}	36 ^{l/}							55* ^{i/}	
Inventory, 1951		30									
Known Reserves		1,686* ^{k/}	273 ^{j/}								

a. Planned production of hard coal was 187 million* metric tons. ^{12/}

b. Planned production was 42 million metric tons.

c. Planned production quotas for 1951 and 1952 were 20,050,000 and 21,408,000 metric tons, respectively.

d. Planned production was 3,565,000 metric tons.

e. Planned production was 86 million metric tons.

f. China - 1954; Bulgaria - 1953 ^{7/}; Czechoslovakia - 1953; East Germany - 1954 ^{7/}; Poland - 1955.

g. 1952 imports from China.

h. 1952 exports to the USSR.

i. 1951. ^{13/}

j. 1952.

k. 1950, all coal. ^{14/}

l. 1951.

S-E-C-R-E-T

SECURITY INFORMATION

LIGNITE

	Million Metric Tons										
	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	34	<u>3</u>		31	0.003	1.4	21		6.5		2.6
1929	37	<u>3.5</u>		34	0.004	1.6	23		7		2.7
1930	33	<u>4.5</u>		29	0.004	1.5	19		6		2.1
1931	33	<u>6</u>		27	0.003	1.4	18		6		1.6
1932	37	<u>7</u>		30	0.003	1.7	16		6	5.5	1.5
1933	39	<u>9</u>		30	0.003	1.5	15		6	5.9	1.3
1934	42	<u>11</u>		31	0.002	1.6	15		6	6.5	1.6
1935	43	14		29	0.002	1.6	15		7	4.2	1.7
1936	149	17		132	0.003	1.6	16	101	7	4.9	1.7
1937	167	18		149	0.004	1.7	18	114	8	5.2	1.9
1938	172	18		154	0.004	1.9	16	120	8	5.8	2.1
1939	205	21		184	0.016	2.1	19	145	10	6.4	2.2
1940	239	27		212	0.020	2.6	21	169	10	7.0	2.4
1941	240	28		212	0.020	2.8	22	167	11	6.9	2.2
1942	242	28		214	0.020	3.4	23	166	12	6.9	2.4
1943	254	37		216	0.010	3.8	27	165	11	6.9	2.6
1944	237	41		196	0.005	2.9	26	150	8	6.2	2.1
1945	150	42		107	0.009	3.5	15	83	3.6	0.04	1.8
1946	190	49		142	0.017	3.4	19	110	5.6	1.5	1.8
1947	195	53		143	0.011	3.9	22	102	8	4.3	2.1
1948	214	59		155	0.022	4.0	24	111	9	5.0	2.4
1949	240	66		174	0.045	5.0	27	124	10	4.6	2.6
1950	262	72 b/		190	0.060 e/	5.4	28	138	12	4.8	2.8
1951	291	78		213	0.070	6.1	29 d/	156 e/	14	4.6	3.3
1952	325	82		243	0.100	7.0 f/	32 d/	178 g/	17	4.8 h/	4.2
Plan i/						6.6*	32	225	28	8.4	7.7*

- a. Lignite or brown coal historically represents less than 1 per cent of total coal output in China. It is included with production of anthracite and bituminous coal, owing to the fragmentary nature of available data pertaining to brown coal extraction.
- b. Planned production of brown coal was 63 million* metric tons. 12/
- c. Planned production was 58,500 metric tons.
- d. Planned production quotas for 1951 and 1952 were 29,000,000 and 31,121,000 metric tons, respectively.
- e. Planned production was 145,126,000* metric tons. 9/
- f. Planned production of lignite and hard coal was 5,700,000* metric tons. 7/
- g. Planned production was 171,400,000 metric tons.
- h. Planned production was 5,495,000 metric tons.
- i. Bulgaria - 1953 9/ ; Czechoslovakia - 1953; East Germany - 1955; Hungary - 1954; Poland - 1955; Rumania - 1955. 15/

PRODUCTION OF PEAT IN THE USSR g/

		Million Metric Tons							
1928	5.3	1933	12.9	1938	26	1943	22	1948	34
1929	6.9	1934	17.2	1939	29	1944	23	1949	36
1930	8.2	1935	18.5	1940	32	1945	23	1950	36
1931	10.9	1936	22.4	1941	27	1946	27	1951	42
1932	13.7	1937	25	1942	15	1947	31	1952	39

a. Peat production in China and the European Satellites is negligible.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF METALLURGICAL COKE

	Thousand Metric Tons										
	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia b/	East Germany	Hungary	Poland	Rumania
1928	6,016	3,200					2,816*				
1929							3,163*				
1930							2,712*				
1931				2,083			2,045*				38
1932	10,089	8,300	488	1,301			1,277*				24
1933			483	1,287			1,259*				28
1934			560	1,397			1,345*				52
1935			685	1,597			1,551*				46
1936			743	2,018			1,955*				63
1937	21,814	17,565	891	3,358	0	0	3,280*		0		78
1938	24,733	20,000	1,043	3,690	0	0	2,618*		0	986	86
1939			1,407	3,309	0	0	3,221*		0		88
1940	27,077	21,900	1,358	3,819	0	0	3,733*		0		86
1941			1,790								
1942	12,084	6,085	2,024	3,975	0	0	3,889*		0		86
1943	16,294	9,700	2,230	4,364	0	0	4,280*		0		84
1944	17,258	11,000	1,681	4,577	0	0	4,528*		0		49
1945	15,517	12,500		3,017	0	0	1,870	143		967	37
1946	18,066	14,000	200	3,866	0	0	2,104	175	0	1,537	50
1947	21,642	15,300	300	6,042	0	0	3,850	224	0	1,920	47
1948	25,965	18,000	400	7,565	0	0	5,224	227	0	2,064	50
1949	29,580	20,200	500	8,880	0	0	6,171	241	0	2,408	60
1950	36,077	25,380	1,338	9,359	0	0	6,545	250	0	2,494	70
1951	40,410	29,000	1,765	9,645	0	0	6,732	263	0	2,580	70
1952	45,085	33,000	2,151	9,934	0	0	7,000	264	0	2,600	70

a. Manchuria only.
 b. 1928-1944. 16/

S-E-C-R-E-T

SECURITY INFORMATION

ELECTRIC POWER GENERATION ^{a/}

	Billion Kilowatt Hours									
	bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland b/ Rumania
1928	15	5.0	2.1* ^{a/}	7.6		0.065	2.7		0.80	0.54
1929	14	6.2		7.6		0.085	3.0		0.87	0.57
1930	16	8.4		7.5		0.096	3.0		0.89	2.9* 0.55
1931	18	11		7.0		0.099	2.9		0.88	2.6* 0.52
1932	20	14		6.4		0.12	2.7		0.85	2.3* 0.54
1933	26	16	2.5	6.7		0.13	2.7		0.90	2.4* 0.59
1934	31	21	2.2	7.4		0.14	2.9		1.0	2.6* 0.75
1935	36	26	2.3	8.0		0.14	3.1		1.1	2.8* 0.87
1936	57	33	2.4	22		0.17	3.4	13	1.2	3.1* 0.96
1937	47	36		10		0.20	4.1		1.3	3.6* 1.1
1938	54	40	3.1* ^{a/}	11		0.23	4.1		1.4	4.0 1.1
1939	53	44		9.6		0.27	4.6		1.5	2.1 1.2
1940	56	48		8.0		0.30	4.9		1.7	1.1
1941	59	50		8.6		0.30	5.3		1.8	1.2
1942	43	33		9.4		0.32	5.8		2.0	1.3
1943	72	36		36		0.34	6.7	25	2.1	1.6
1944	54	40		14		0.31	6.8	4.4	2.1	
1945	57	43		13		0.40	4.4	6.4	0.84	
1946	76	48	3.2	25		0.44	5.6	11	1.3	5.7 0.70
1947	88	55	3.5	30		0.49	6.7	13	1.7	6.6 1.0
1948	102	64	3.7	34	0.061	0.55	7.5	15	1.9	7.5 1.5
1949	118	76	4.0	38		0.66	8.3	17	2.2	8.1 1.9
1950	138	90 ^{a/}	4.3	43	0.021	0.80	9.2	19	2.6	9.4 2.1
1951	156	103	5.2	49	0.030	1.0	10	21	3.1	10 2.5
1952	180	117	6.3	56	0.055 ^{f/}	1.4 ^{a/}	12 ^{a/}	23 ^{b/}	4.1 ^{a/}	13 ^{b/} 2.9 ^{a/}
Plan ^{d/}						1.8	11	33	6.0	19 4.7

- a. Gross electric power generation.
- b. 1930-1937 and 1939. ^{16/}
- c. ^{17/}
- d. ^{18/}
- e. Planned production was 82 billion kwh.
- f. Estimated range of accuracy, plus or minus 30 per cent.
- g. Estimated range of accuracy, plus or minus 20 per cent.
- h. Estimated range of accuracy, plus or minus 15 per cent. Planned production was 23.2 billion kwh.
- i. Estimated range of accuracy, plus or minus 20 per cent. Planned production was 12.5 billion kwh.
- j. Bulgaria - 1953 ^{1/} ; Czechoslovakia - 1953 ^{1/} ; East Germany - 1955 ^{1/} ; Hungary - 1954 ^{1/} ; Poland - 1955 ^{1/} ; Rumania - 1955. ^{1/}

S-E-C-R-E-T

SECURITY INFORMATION

NATURAL GAS ^{a/}

	Million Cubic Meters										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	925	312	0	613		0		0			613
1929	1,161	354	0	807		0		0			807
1930	2,292	553	0	1,739		0		0			1,739
1931	3,130	909	0	2,221		0		0			2,221
1932	3,069	1,099	0	1,970		0		0			1,970
1933	5,367	1,167	0	4,200		0		0			4,200
1934	4,429	1,677	0	2,752		0		0			2,752
1935	4,544	1,975	0	2,569		0		0			2,569
1936	4,477	2,347	0	2,130		0		0			2,130* b/
1937		2,381	0			0		0			
1938	4,489	2,453	0	2,036		0		0			2,036
1939			0	1,847		0		0			1,847
1940	4,571	2,813	0	1,758		0		0			1,758
1941			0	1,693		0		0			1,693
1942			0	1,966		0		0			1,966
1943			0	2,042		0		0			2,042
1944			0	1,474		0		0			1,474
1945	4,766	2,810	0	1,956		0		0			1,956
1946	5,424	3,200	0	2,224		0		0		119	2,075
1947	6,289	3,900	0	2,389		0		0		148	2,241
1948	6,897	4,290	0	2,607		0		0		162	2,445
1949	7,308	4,420	0	2,888		0		0		158	2,730
1950	8,095	4,730 ^{c/}	0	3,365	0	0	0	0	100 ^{d/}	175	3,090
1951	9,070	5,110	0	3,960	0	0	0	0	150	180	3,630
1952	9,576	5,486	0	4,090	Negligible	Negligible	Negligible	0	200	190	3,700
Plan ^{e/}										480	3,900

a. Natural gas excludes shale gas. Reported prewar figures for the USSR in metric tons have been converted to cubic meters on the assumption that 865 cubic meters of gas is equivalent to 1 metric ton of oil in British thermal unit (Btu) content. The Btu content of natural gas is assumed to be 37,958 Btu per cubic meter. These are US factors.

b. ^{15/}
 c. Planned production was 8,400 million* cubic meters. ^{12/}
 d. Planned production was 175 million* cubic meters. ^{12/}
 e. Poland - 1955 ^{2/ 11/} ; Rumania - 1955. ^{2/}

PRODUCTION OF MANUFACTURED GAS ^{a/}

	Million Cubic Meters										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1945		0	0	0	0	0	0	0	0	0	0
1946		0	0	0	0	0	0	0	0	0	0
1947		0	0	0	0	0	0	0	0	0	0
1948		200	0	0	0	0	0	0	0	0	0
1949		300	0	0	0	0	0	0	0	0	0
1950		600	0	0	0	0	0	0	0	0	0
1951		900	0	0	0	0	0	0	0	0	0

a. These estimates are gas from oil shale only. Gas from coal or other manufactured gas is not included. Shale gas has an estimated 18,500 British thermal units (Btu) per cubic meter or about half the Btu content of natural gas.

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SECURITY INFORMATION

CRUDE PETROLEUM ^{a/}

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	15,799	11,630	0	4,169	0	0	14	0	0		4,155
1929	18,397	13,690	0	4,707	0	0	14	0	0		4,693
1930	22,923	17,280	0	5,643	0	0	23	0	0		5,620
1931	29,043	22,390	0	6,653	0	0	20	0	0		6,633
1932	28,705	21,420	0	7,285	0	0	19	0	0		7,266
1933	28,798	21,480	0	7,318	6	0	18	0	0		7,294
1934	32,628	24,210	0	8,418	12	0	26	0	0		8,380
1935	33,462	25,240	0	8,322	24	0	20	0	0		8,278
1936	36,662	27,890	0	8,772	49	0	19	0	0		8,704
1937	36,777	29,510	0	7,267	95	0	18	0	1		7,153
1938	36,962	30,190	3	6,769	102	0	19	0	38		6,610
1939	36,261	29,710	8	6,543	141	0	18	0	144		6,240
1940	37,473	31,150	8	6,315	227	0	24	0	254		5,810
1941	38,036	31,900	27	6,109	202	0	27	0	427		5,453
1942	28,784	22,100	66	6,618	243	0	40	0	670		5,665
1943	23,063	16,700	67	6,296	152	0	29	0	842		5,273
1944	22,292	17,800	71 b/	4,421	51	0	27	0	813		3,530
1945	24,819	19,400	68	5,351	40	0	13	0	658		4,640
1946	26,902	21,700	72	5,130	60	0	29	0	674	117	4,250
1947	30,518	25,800	53	4,665	80	0	31	0	567	127	3,860
1948	34,210	29,200	75	4,935	100	0	30	0	510	140	4,155
1949	38,884	33,400	102	5,382	198	0	31	0	503	150	4,500
1950	43,627	37,500 c/	142	5,985	250	00	50	0	510	175	5,000
1951	48,168	41,000 d/	183	6,985	250	0	50	0	510	175	6,000
1952	52,611	44,000 d/	235	9,376 e/	310	20	60	0	600	186	7,200
Plan f/					263*		150*	1,577*	850*	394*	10,000*
Availability, 1950 g/	40,139	33,682	130	6,327	40	60	463	1,015	415	314	4,000
Stockpiles, 1951								1,000			
Known Reserves, 1951									3,200*h/		

a. Crude petroleum estimates exclude natural gas liquids and natural gasoline except for the USSR figures for 1945-1950 when small quantities of these products may be included.
 b. Manchurian crude oil refining capacity during World War II was 296,000* metric tons. 19/
 c. Planned production was 35.4 million* metric tons. 12/
 d. In addition, natural gas liquids were produced in the following quantities: 1952 - 3 million metric tons; 1951 - 1.5 million metric tons.
 e. The Soviet Zone of Austria, in addition, produced 3.2 million metric tons.
 f. Albania - 1955 20/; Czechoslovakia - 1953 1/; East Germany - 1955, crude and synthetic oil 1/; Hungary - 1954 2/; Poland - 1955 1/ 11/; Rumania - 1955. 2/
 g. Natural and synthetic petroleum products. 2/
 h. 21/

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SECURITY INFORMATION

DIESEL FUEL

	Million Metric Tons										
	bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		0.187									
1929		0.001									
1930		0.064									
1931		0.102									
1932		0.031									
1933		0.165									
1934		0.436									
1935		0.365									
1936		0.398									
1937		0.411									
1938								0.09* a/			
1939											
1940											
1941											
1942											
1943											
1944											
1945											
1946		0.7	0.001* b/								
1947			0.003* b/								
1948	2.2	1.21	0.003	1.00			0.08* a/	0.30* a/	0.08* a/	0.04* a/	0.50* a/
1949	2.6	1.60		0.99 a/				0.30* a/			0.69* a/
1950								0.40* a/			
1951								0.45* a/			
1952											
Plan d/								0.65*			
Capacity								0.5* e/			

a. Prewar figure not necessarily 1938. 1/

b. 22/

c. In addition, the Soviet Zone of Austria produced the following: 1949 - 0.33 million metric tons, 1950 - 0.50 million metric tons. 1/

d. East Germany - 1955. 1/

e. 1952. 6/

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SECURITY INFORMATION

LUBRICANTS

	Millions Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		0.33									
1929		0.38									
1930		0.49									
1931		0.65									
1932		0.68									
1933		1.1									
1934		1.4									
1935		1.3									
1936		1.5									
1937		1.6									
1938								0.27* <u>a/</u>			
1939		1.2									
1940		2.1* <u>a/</u>									
1941											
1942											
1943											
1944											
1945											
1946		1.0									
1947		1.3									
1948	1.7	1.4		0.29			0.030* <u>a/</u>	0.060* <u>a/</u>	0.050* <u>a/</u>	0.040* <u>a/</u>	0.11* <u>a/</u>
1949	1.8	1.6		0.17				0.060* <u>a/</u>			0.11* <u>a/</u>
1950	2.7	2.4 <u>b/</u>		0.27	0	0	0.086	0.10	0.010	0.065	0.012
1951		2.9* <u>a/</u>									
1952											

a. 1/
 b. Planned production was 2.4 million* metric tons. 12/

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SECURITY INFORMATION

KEROSENE

	Million Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		1.91									
1929		2.32									
1930		3.23									
1931		3.86									
1932		3.56									
1933		3.82									
1934		4.46									
1935		4.88									
1936		5.43									
1937		6.13									
1938											
1939		6.45									
1940											
1941											
1942											
1943											
1944											
1945											
1946		4.4									
1947		5.52									
1948	7.27	6.46		0.81			0.05* <u>a/</u>		0.13* <u>a/</u>	0.03* <u>a/</u>	0.60* <u>a/</u>
1949		7.56		<u>b/</u>							0.80* <u>a/</u>
1950				<u>b/</u>							
1951							0.15				
1952											

a. 1/
 b. In addition, the Soviet Zone of Austria produced the following: 1949 - 0.25 million* metric tons; 1950 - 0.25 million* metric tons. 1/

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SECURITY INFORMATION

SHALE OIL ^{a/}

	Thousand Metric Tons		
	Eloc ^{b/}	USSR	China
Production			
1938		140	
1939		180	
1940			
1941			126
1942			139
1943			51
1944			71
1945			
1946	117	102	15
1947	137	120	17
1948	177	157	20
1949	211	188	23
1950	253	213	40
1951	304	250	54
1952	345	275	70
Reserves		800,000 ^{c/}	

- a. These estimates can be considered as estimates of crude shale oil before refining and, hence, comparable to crude petroleum.
 b. There is no production of shale oil in the European Satellites.
 c. This figure is the equivalent of 3.9 billion barrels of petroleum.

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SECURITY INFORMATION

SYNTHETIC LIQUID FUEL g/

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1938								1,100* <u>b/</u>			
1939											
1940											
1941											
1942											
1943											
1944								1,800* <u>c/</u>			
1945		0	0		0	0			0	0	0
1946	525	0	0	525	0	0	150	375	0	0	0
1947	760	0	0	760	0	0	195	565	0	0	0
1948	840	0	0	840	0	0	215	625	0	0	0
1949	970	0	0	970	0	0	240 <u>d/</u>	730	0	0	0
1950	1,245	0	0	1,245	0	0	250	995	0	0	0
1951	1,385	0	0	1,385	0	0	285	1,100* <u>e/</u>	0	0	0
1952	1,625	0	15	1,610	0	0	295	1,300	0	15	0
Plan <u>f/</u>								1,577*			
Capacity		1,200* <u>g/</u>									

a. Synthetic liquid fuel estimates are in terms of final products. If it is desired to make synthetic liquid fuel production comparable with crude petroleum, it can be converted to crude oil equivalent by multiplying by the factor 1.15.

b. Prewar year, not necessarily 1938. 7/

c. Capacity during World War II. 2/

d. Planned.

e. Planned production was 1,100,000* metric tons. 23/

f. 1955. 23/

g. 1952. 23/

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SECURITY INFORMATION

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Mining

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MINING

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SECURITY INFORMATION

IRON ORE

Million Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria a/	Czecho-slovakia b/	East Germany	Hungary c/	Poland d/	Rumania e/
Production											
1928	11	0	2.0	2.6			1.7*		0.19*	0.62*	0.08*
1929	13	8	2.0	2.7			1.8*		0.21*	0.50*	0.09*
1930	15	11	2.3	2.3			1.0*		0.15*	0.40*	0.09*
1931	14	11	2.2	1.0			1.2*		0.08*	0.22*	0.06*
1932	15	12	2.2	0.72			0.60*		0.05*	0.06*	0.009*
1933	17	14	2.3	0.64			0.42*		0.05*	0.15*	0.013*
1934	25	22	2.5	0.94			0.54*		0.10*	0.23*	0.90*
1935	31	27	3.1	1.4			0.74*		0.18*	0.32*	0.10*
1936	34	28	3.4	1.9			1.1*		0.27*	0.45*	0.12*
1937	32	26	3.2	3.0	0		1.0		0.30	0.74*	0.14*
1938	31	27	3.2	1.4	0	0.020			0.32*	0.87	0.14
1939	34	27	4.6	2.4	0	0.020* f/	1.7*		0.60*		
1940	39	30	7.2	2.0	0		2.0*				
1941	42	31	8.2	2.5	0		2.1*		0.24*		0.18*
1942	25	12	9.7	2.5	0		2.0*		0.25*		0.22*
1943	30	17	10*	2.4	0		1.9*		0.26*		0.24*
1944	29	21	5.6	2.1	0		1.0*		0.17*		
1945	25	21	4.2	0.6	0		0.27		0.07	0.10	0.14
1946	23	21	0.015	2.0	0	0.011	1.1	0.24	0.13	0.43	0.10
1947	27	25	0.019	2.5	0		1.3	0.28	0.21	0.54	0.12
1948	32	29	0.25	2.8	0	0.033	1.4	0.27	0.25	0.63	0.18
1949	38	35		3.2	0	0.038	1.5	0.40	0.25	0.70	0.33
1950	48	43 g/	1.9	3.4	0	0.040	1.5	0.45	0.30	0.80	0.35
1951	55	48	2.6	3.6	0	0.040	1.5	0.50	0.35	0.82	0.40
1952	63	55	4.2	3.8	0	0.045	1.5	0.55 h/	0.40	0.90 i/	0.45*
						0.08*	3.7*	3.0*	1.2	3.0*	0.74*
Plan j/								0.6 k/			
Capacity											
Exports		1.7 l/									
Consumption		40 l/									
Inventory		9 m/									
Changes in Stocks		n/									
Known Reserves		12,795*o/	1,103*o/								

- a. Metal content of Bulgarian ore is believed to be approximately 60 per cent.
- b. Czechoslovakian ore is assumed to have a metal content of approximately 33.33 per cent. This assumption was the basis for deriving ore figures from metal content data for the following years: 1928-1929 17/ ; 1930-1936 24/ ; 1939-1944. 16/
- c. Metal content data of Hungarian ore is assumed to be approximately 37 per cent. This assumption was the basis for deriving ore figures from metal content data for the following years: 1928-1929 17/ ; 1930-1936, 1938-1939 24/ ; 1941-1944. 16/
- d. Polish ore is assumed to have a metal content of approximately 33.33 per cent. This assumption was the basis for deriving ore figures from metal content data for the following years: 1928-1929 17/ ; 1930-1937. 24/
- e. Rumanian ore has a metal content of from 30 to 60 per cent. The medium of this range, 45 per cent, was used as the basis for deriving ore figures from metal content data for the following years: 1928-1929 17/ ; 1930-1937 24/ ; 1941-1943. 16/
- f. 1/
- g. Planned production was 40 million metric tons.
- h. Planned production was 750,000* metric tons. 7/
- i. Planned production was 1,060,000* metric tons. 1/
- j. Bulgaria and Czechoslovakia - 1953 1/ ; East Germany - 1955 1/ ; Hungary - 1952; Poland - 1955 1/ 11/ ; Rumania - 1955. 1/
- k. 1952.
- l. 1950.
- m. Early 1952. Estimated range of accuracy, plus or minus 11 per cent.
- n. It is estimated that 1.5 million to 2.0 million metric tons of ore were stockpiled annually in the years 1950-1952.
- o. 1952. 25/

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SECURITY INFORMATION

MANAGNESE ORE

Production	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria a/	Czecho-slovakia b/	East Germany	Hungary c/	Poland	Rumania d/
1928	82h	702	63	59		Negligible*			22*		37*
1929	1,530	1,409	61	60		Negligible*			19*		41*
1930	1,50h	1,385	70	49		Negligible*			9*		40*
1931	935	88h	31	20		Negligible*			1.2*		19*
1932	859	832	21	6.5		Negligible*			1.5*		5*
1933	1,039	1,021	10	8		Negligible*			5*		3*
1934	1,83h	1,821	2			Negligible*					11*
1935	2,4h2	2,385	31	26		Negligible*			6*		20*
1936	2,9h6	2,8h0	h3	63					28*		35*
1937	2,911	2,752	79	80	0	3			25*	0	52*
1938	3,48h	3,400	2	82	0				22*	0	60
1939	2,968	2,800	1	167	0	2	106		16	0	43*
1940	2,838	2,800	3	35	0					0	35*
1941	2,416	2,400	1	15	0					0	15*
1942	1,831	1,800	1	30	0					0	30*
1943	5h3	500	4	39	0					0	39*
1944	556	500	10	46	0	28 g/		18 f/		0	
1945	2,30h	2,250	16	38	0				7	0	
1946	2,25h	2,210	10	3h	0		31		15	0	19
1947	2,438	2,400	20	18	0				18	0	
1948	2,872	2,690	22	160	0	3	90		22	0	45
1949	3,438	3,200		238	0	3	135 g/		30	0	70
1950	3,829	3,550 h/		279	0	4	170		35	0	70
1951	4,19h	3,850	20	32h	0	4.5	185	20 i/	40	0	75
1952	4,599	4,250	20	329	0	4.6	188	20 i/	41	0	76
Capacity, 1952		5,000	50								
Inventory, 1951		3,500 j/	Negligible					30 i/	56	0	9h
Changes in Stocks		k/				Negligible	Negligible	Negligible	Negligible	0	Negligible

- a. Bulgarian ore is believed to have a metal content ranging from 35 to 50 per cent. 1928-1935. 2h/
- b. Czechoslovakian ore is believed to have a metal content of approximately 50 per cent.
- c. Hungarian ore is assumed to have a metal content of approximately 40 per cent. This assumption was the basis for deriving ore figures from metal content data for the following years: 1928-1929 1i/; 1930-1933, 1935-1938. 2h/
- d. Rumanian ore is assumed to have a metal content of approximately 35 per cent. This assumption was the basis for deriving ore figures from metal content data for the following years: 1928-1929 1i/; 1930-1937 2h/; 1939-1943. 16/
- e. This figure is for a World War II year, not necessarily 1944, and has an estimated range of accuracy of plus or minus 9 per cent.
- f. This figure is for a World War II year, not necessarily 1944, and has an estimated range of accuracy of plus or minus 9 per cent.
- g. Estimated range of accuracy, plus or minus 11 per cent.
- h. Planned production was 4.2 million metric tons.
- i. The metal content of the ore is believed to be approximately 35 per cent.
- j. Early 1952. Estimated range of accuracy, plus or minus 1h per cent.
- k. Stockpile accretions are estimated to range from 1.2 million to 1.4 million metric tons annually during the period 1950-1952.

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SECURITY INFORMATION

CHROMITE

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1938					3* a/	4* a/					
1940											
1941											
1942		400* b/									
1943		325									
1944	305	300				5 g/					
1945	305	300		5		5	0	0	0		
1946	306	300		5.5		5.5	0	0	0		
1947	506	500		6		6	0	0	0		
1948	622	600		22	15	7	0	0	0	0	0.2
1949	391	350		41	25	8	0	0	0	0	8
1950	570	500		70	52	10	0	0	0	0	8
1951	686	600		86	66	11	0	0	0	0	9
1952	751	650	0	101	79	12	0	0	0	0	10
Capacity, 1952		900							0		11
Inventory, 1951		700 d/				0	0		0	0	0
Changes in Stocks		e/									

a. 1/

b. 26/

c. World War II year, not necessarily 1944.

d. Early 1952. Estimated range of accuracy, plus or minus 14 per cent.

e. It is estimated that stockpile accretions are at the rate of 200,000 to 250,000 metric tons annually.

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SECURITY INFORMATION

BAUXITE

	Thousand Metric Tons									
	Bloc	USSR	China	European Satellites	Albania a/ Bulgaria	Czecho- slovakia a/	East Germany a/ Hungary	Poland a/	Rumania	
Production										
1928				399	2.7		396		0.7	
1929				394	3.6		389		0.9	
1930				38	5.7		32		0.7	
1931	103	12		91	1.4		90		0.4	
1932	152	37		115	2.8		112		0.6	
1933	127	51		76	2.7		72		1.2	
1934	250	61		169	2.8		185		1.5	
1935	351	132		219	1.6		211		6.2	
1936	546	203		343	3.1		329		11	
1937	773	230		543			533		11	
1938	802	250		552			540		12	
1939	766	270		496			485		11	
1940	872	300		572			562		10.0	
1941	1,158	325		833			823		10.0	
1942	1,202	198		1,004			989		15.0	
1943	1,327	313		1,014			1,001		13.0	
1944	1,113	355					758			
1945	435	400					35			
1946	527	425		102			101		1.0	
1947	815	475					340			
1948	1,000	500					500			
1949	1,063	533					530			
1950	1,341	566		775			760		15	
1951	1,615	600		1,015			1,000		15	
1952	1,845	625		1,220			1,200		20	
Plan, 1955		800 b/								
USSR Imports from Bloc, 1952							800			

a. Little, or no, production.

b. It is expected that an additional 1.2 million metric tons will be imported to meet requirements.

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SECURITY INFORMATION

PRODUCTION OF ASBESTOS IN THE USSR a/

		Thousand Metric Tons										
1928		1933	72		1938	86		1943	45		1948	90
1929		1934	92		1939	83		1944	40		1949	95
1930		1935	96		1940	84		1945	29		1950	100
1931	65	1936	125		1941	86		1946	54		1951	110
1932	32	1937	125		1942	80		1947	75		1952	120

a. There is no asbestos production in the European Satellites.

PRODUCTION OF GYPSUM

		Thousand Metric Tons									
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928				0	0	0	0	0	0	0	0
1929				0	0	0	0	0	0	0	0
1930				0	0	0	0	0	0	0	0
1931				0	0	0	0	0	0	0	0
1932				0	0	0	0	0	0	0	0
1933		371		0	0	0	0	0	0	0	0
1934		495		0	0	0	0	0	0	0	0
1935		856		0	0	0	0	0	0	0	0
1936		1,195		0	0	0	0	0	0	0	0
1937		1,212		0	0	0	0	0	0	0	0
1938	1,007	999	8	0	0	0	0	0	0	0	0
1939		726		0	0	0	0	0	0	0	0
1940		725		0	0	0	0	0	0	0	0
1941		1,027		0	0	0	0	0	0	0	0
1942		956		0	0	0	0	0	0	0	0
1943		392		0	0	0	0	0	0	0	0
1944		350		0	0	0	0	0	0	0	0
1945		252		0	0	0	0	0	0	0	0
1946		476		0	0	0	0	0	0	0	0
1947		652		0	0	0	0	0	0	0	0
1948		924		0	0	0	0	0	0	0	0
1949		1,232		0	0	0	0	0	0	0	0
1950	1,888	1,470	50	368	0	0	0	341	0	27	0
1951	2,186	1,736	50	400	0	0	0	367	0	33	0
1952	2,388	1,900		488				455		33	

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SECURITY INFORMATION

PRODUCTION OF FLUORSPAR

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania
1928											
1929											
1930											
1931		<u>16</u>									
1932		<u>11</u>									
1933		<u>19</u>									
1934		17	24					23			
1935		87	48					38			
1936		103	65					38			
1937		109	70					39			
1938		123	75	2.8	45	0	0	0	45	0	0
1939		125	80					45			
1940		126	85					41			
1941		126	83					43			
1942		132	75					56			
1943		121	60					61			
1944		109	55					54			
1945		104	50					54			
1946		64	50					14			
1947		96	75					21			
1948		132	100					32			
1949		164	125					39			
1950		194	150	5.0				39			
1951		186	150					36			
1952			160								

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SECURITY INFORMATION

PYRITES AND SULPHUR

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czech- slovakia	East Germany	Hungary	Poland	Rumania
PYRITES											
Production											
1937							18* <u>g/</u>				
1938	1,081	978		103						92* <u>g/</u>	11* <u>g/</u>
1939											
1940											
1941											
1942											
1943											
1944											
1945							1.0* <u>g/</u>				
1946											
1947			64.9* <u>g/</u>								
1948			42.9* <u>g/</u>	70			5* <u>g/</u>	65* <u>g/</u>			
1949				188	0	15	25	70	10	40	28
1950				283	22	38	40	80	12	45	46
1951	3,515	3,100		415	25	68	90 <u>g/</u>	102 <u>g/</u>	14	50	66
1952				489	30	102	100	105	16	55	81
Bloc Imports from West, 1951		0			0	0	170	164	2	50	9
Bloc Exports to West, 1951		0			0	0	0	0	0	0	0
Intra-Bloc Imports, 1951		8		0	0	0	52	17	46	17	0
Intra-Bloc Exports, 1951		12		6	64	0	0	16	0	0	42
Consumption, 1951					0 <u>g/</u>	4	312	262	60	117 <u>g/</u>	33
SULPHUR											
Production											
1951	193	100		93	0	0	Negligible	78* <u>g/</u>	Negligible	15	Negligible

- a. 17/
- b. 21/
- c. Planned production was 100,000 metric tons.
- d. Planned production for 11 months in 1951 was 110,000 metric tons; it is 122,000* metric tons for 1952, 7/
- e. Albania is not known to consume any pyrites. Apparent consumption for 1951, however, was 19,000 metric tons, as estimated production was 25,000 metric tons, and only 6,000 metric tons were reported as exports.
- f. Consumption in 1952 was estimated at 110,000 metric tons.
- g. 27/

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SECURITY INFORMATION

X

RUBBER AND RUBBER PRODUCTS

(Pages 69-72)

Rubber and Rubber
Products

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SECURITY INFORMATION

ESTIMATED SOVIET RUBBER SITUATION

Year	Rubber Supply				Rubber Consumption			Thousand Metric Tons	
	Natural Imports	Synthetic Imports (Mainly from East Germany)	Production a/	Total	Transportation	Nontransportation	Total	Rubber to Stockpile	Stockpile (Cumulative)
	1940	20		108	128	63	66	128	
1945	17	9.1							
1946	10		61	71	59.6	29.8	89		
1947	36	0.1	73	109	77.8	38.9	117		
1948	102	1.01	121	224	104.5	52.2	157	67	67
1949	107	5.0	160	272	134.5	67.2	202	70	137
1950	84	16.0	190	290	165.6	82.8	248	42	179
1951	64	21.0	224	309	184.5	92.2	277	32	211
1952	102		245	347	201.5	100.7	302	45	256

a. Includes synthetic rubber, domestic natural rubber, and reclaimed rubber.

NATURAL RUBBER

	Thousand Metric Tons										
	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1947		0.40									
1948		0.80									
1949	1.6	1.5					0.056				
1950	2.4	2.3					0.11				
1951	2.6	2.5					0.12				
1952	2.8	2.7					0.14				
Imports											
1945		17									
1946	24	10	12	2.5			0.8		0.3	1.4	
1947	78	36	23	20		0.3	1.5		2.4	2.2	0.1
1948	156	102	21	33		0.15	24		0.9	3.7	1.0
1949	187	107	28	53		0.9	28		1.7	8.6	1.3
1950	192	84	71	36		0.8	23		0.5	6.6	0.6
1951	171	64	74	33		0.3	11		9.4	0.2	11.7
1952		102									0.6

a. China's capacity to produce rubber, as of 1950, has been estimated at 70,000* metric tons per annum, 28/

PRODUCTION OF RECLAIMED RUBBER

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1940		24									
1946		21			0						
1947	24	23		0.9	0					0.9	
1948	32	30		1.9	0					1.9	
1949	45	37		8.3	0	0.1	6.0			2.2	
1950	63	45 a/	5	12.6	0	0.1	6.5	3.0		3.0	
1951	68	50	5	12.9	0	0.1	7.0	1.8		4.0	
1952	75	55	5	15.2	0	0.2	8.0	2.5		4.5	

a. Planned production was 56,000 metric tons.

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SECURITY INFORMATION

SYNTHETIC RUBBER

Thousand Metric Tons

	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928											
1929											
1930											
1931											
1932		a/									
1933		2									
1934		11									
1935		26									
1936		44									
1937		49									
1938		56			0	Negligible			Negligible	Negligible	Negligible
1939		64					0.4* b/				
1940		74									
1941											
1942											
1943											
1944											
1945											
1946	64	40	Negligible		0	0	Negligible	24	0	Negligible	0
1947	88	50	Negligible		0	0	Negligible	38	0	Negligible	0
1948	121	90	Negligible		0	0	Negligible	31	0	Negligible	0
1949	148	122	Negligible		0	0	Negligible	26	0	Negligible	0
1950	187	143 c/	Negligible	44	0	Negligible	0.3	42	Negligible	2.0	Negligible
1951	224	172	Negligible	52	0	Negligible	0.6	49	Negligible	3.0	Negligible
1952	243	187		56	0	Negligible	0.7	52	Negligible	3.3	Negligible
Plan, 1955								70 d/		15* e/	
Imports f/											
1945		9.1									
1946											
1947		0.1									
1948		1.0									
1949		5.0									
1950		16.0									
1951		21.0									

a. Production was 50 metric tons in 1932.

b. ✓

c. Planned production was 149,000 metric tons.

d. Estimated range of accuracy, plus or minus 14 per cent.

e. ✓

f. Imports of synthetic rubber by the Soviet Union during the years 1948-1951 were primarily from East Germany

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SECURITY INFORMATION

RUBBER TIRES

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		82									
1929		142									
1930		354									
1931		554									
1932		544									
1933		672									
1934		1,535									
1935		2,077									
1936		2,197									
1937	3,289	2,698					591* a/				
1938		3,548			0				38		
1939		b/									
1940		b/									
1941		b/									
1942		c/									
1943		1,792 d/									
1944		2,280 d/									
1945		2,133 e/									
1946		2,975									
1947		3,871					512* f/			78* a/	
1948		5,205					703* a/		28* a/	120* a/	
1949		6,694					828* a/				
1950	10,373	8,240		2,133	0	43	1,250	450	100	200	90
1951	11,615	9,185		2,430	0	50	1,300	610 g/	130	250	90
1952	12,911	10,051		2,860	0	60	1,500	750 g/	150	300	100
Plan h/						400*	5,200*	1,200*			
Capacity, 1952-1953 i/			1,067*			60*	1,700*	707*	170*		110*

a. 7/

b. Only production of the Yaroslavl' tire factory has been observed for the period 1939-1941. Approximate annual capacity, based on observed production, was as follows:

Year	Minimum Estimate	Estimate of Maximum Likelihood
1939	486,000	574,000
1940	678,000	848,000
1941	155,000	194,000

c. The 1942 production of two factories, Yaroslavl' and Omsk, has been observed. Estimates of combined annual productive capacity are as follows: minimum estimate - 406,000; estimate of maximum likelihood - 628,000.

d. These data are the combined estimates of maximum likelihood of annual productive capacity, based on observed production of the Yaroslavl' and Omsk factories. Minimum estimates are as follows: 1943 - 1,728,000; 1944 - 2,268,000.

e. This figure is an estimate of maximum likelihood based on observed production of five factories, Yaroslavl', Omsk, Red Triangle, and factories using the trademarks "T" and "X." The minimum estimate equals 2,088,000.

f. 9/

g. Planned production figures for 1951 and 1952 were 596,000 and 730,000 tires respectively.

h. Bulgaria and Czechoslovakia - 1953 7/; East Germany - 1955. 7/

i. 29/

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SECURITY INFORMATION

PRODUCTION OF RUBBER FOOTWEAR

	Million Pairs										
	Floc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1938									1.3		
1939											
1940		68									
1941											
1942											
1943											
1944											
1945		15* a/									
1946		30* a/									
1947		50* a/									
1948		69* a/									
1949		88* a/									
1950	135	103 b/		32			29	0.65 c/	2.5 c/		
1951		114						0.85 d/			
1952		125 c/						1.0 c/			e/

- a. 7/
- b. Planned production was 88.6 million pairs.
- c. Planned production.
- d. Planned production was 950,000 pairs.
- e. Planned production for 1955 is 2.7 million pairs.

SOVIET RUBBER CONSUMPTION

	Thousand Metric Tons					
Year	Tire Casings	Inner Tubes	Other Transportation Uses	Total Transportation Uses	Non- Transportation Uses	Total All Uses
1946	44	11	4.4	60	30	89
1947	58	14	6	78	39	117
1948	78	19	8	104	52	157
1949	100	24	10	134	67	202
1950	123	30	12	166	83	248
1951	138	33	14	184	92	277
1952	150	36	15	202	101	302

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SECURITY INFORMATION

XI

CHEMICALS

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Chemicals

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SECURITY INFORMATION

SULPHURIC ACID a/

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		211			0	0					
1929		265			0	0					
1930		396			0	0					
1931		<u>464</u>			0	0					
1932		<u>552</u>			0	0					
1933		<u>627</u>			0	0					
1934		<u>782</u>			0	0					
1935	1196	996			0	0	200				
1936	1804	1200		604	0	0	234	370			
1937	1710	1400		310	0	0	250		60		
1938	1865	1600		265	0	0			40	180* <u>b/</u>	45
1939		1800			0	0					
1940		2000			0	0					
1941					0	0					28
1942					0	0					28
1943					0	0					28
1944	1883	1100* <u>c/</u>	350 <u>d/</u>	433	0	0		380 <u>d/</u>	40 <u>d/</u>		13
1945	1218	1200			0	0					18
1946	1652	1280		372	0	0	113* <u>e/</u>	111		124	23
1947	2075	1560		515	0	0	192	125	18	155	25
1948	2586	1950		636	0	0	206	152	30	221	27
1949	3153	2340		818	0	0	221	237	45* <u>e/</u>	278	37
1950	3718	2900		918	0	0	260	280	50	288	40
1951	4368	3250	90	1028	0	0	265	<u>363</u>	50	300	50
1952	4829	3627	90	1112	0	0	300	372 <u>f/</u>	60	330	50
Plan <u>g/</u>						6*		552		540*	143*
Capacity			200* <u>h/</u>		0 <u>i/</u>		500 <u>i/</u>	500 <u>i/</u>		475 <u>i/</u>	

a. 100 per cent acid.

b. 7/

c. 8/

d. World War II year, not necessarily 1944.

e. Planned production. 7/

f. Planned production was 387,000 metric tons.

g. Bulgaria - 1953 7/; East Germany - 1955; Poland - 1955 7/; Rumania - 1955 7/

h. 1950. 20/

i. 1952.

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SECURITY INFORMATION

NITRIC ACID a/

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		12			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		25			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0					
1937		150			0	0					
1938					0	0					
1939					0	0					
1940		400			0	0					
1941					0	0					
1942		300			0	0					
1943		400			0	0					
1944		360			0	0					
1945		500			0	0					
1946	630	605			0	0		25			
1947		710			0	0					
1948	879	820			0	0		59			
1949		930			0	0					
1950	1,215	1,035			0	0		180			
1951	1,416	1,065	15 <u>b/</u>	336	0	0		234		50	52 <u>c/</u>
1952	1,554	1,172		382	0	68		247 <u>d/</u>	68 <u>e/</u>		
Plan <u>e/</u>								400			
Capacity				36* <u>f/</u>							

- a. 100 per cent acid.
- b. Includes North China and Manchuria.
- c. Capacity converted to 100 per cent nitric acid.
- d. Planned production was 247,000 metric tons.
- e. East Germany - 1955.
- f. 30/

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SECURITY INFORMATION

SYNTHETIC AMMONIA ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928					0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		18			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0					
1937		212			0	0					
1938				107	0	0	24		2	80* ^{b/}	
1939					0	0		385			
1940		275			0	0					
1941		200			0	0					
1942		175			0	0					
1943		225			0	0					
1944	753	250	75	428	0	0	28 ^{c/}	385 ^{c/}	14 ^{c/}		1.1 ^{c/}
1945		300			0	0					
1946	385	323			0	0		62			
1947	512	368		144	0	0	22	122			
1948	685	440		245	0	0	22	180	8	34	1.0
1949	753	489	8	256	0	0	26	230			
1950	858	534		324	0	0	28	236	14	46	
1951	938	550	25	363	0	0	32	265 ^{d/}	15	51	
1952	1012	590	25	397	0	15	33	280	15	54	
Capacity					0 ^{e/}						11.5 ^{f/}

- a. Nitrogen content.
b. Prewar, not necessarily 1938. ^{7/}
c. World War II year, not necessarily 1944.
d. Planned production was 265,000 metric tons.
e. 1951 - 1952.
f. 1951.

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SECURITY INFORMATION

CAUSTIC SODA

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		57			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		49			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936	236	112			0	0		124			
1937	124	118			0	0			6.0		
1938	195	126			0	0	22		2.9	30* a/	11.
1939		132			0	0					
1940		185			0	0					
1941	126	110			0	0					16
1942	74	55			0	0					18
1943	94				0	0					20
1944	100				0	0					7
1945	130	112			0	0				9* a/	9
1946	198	122			0	0		66			10
1947	254	152			0	0		87	2.9		12
1948	402	190		212	0	0	37* a/	110	3.6	47* a/	14
1949	504	241		263	0	0	47* a/	136	5.5 b/	55* a/	20
1950	576	277 c/		299	0	0	49 d/	149	6.0	75	20
1951	681	300	14 e/	367	0	0	56 d/	184 f/		94 g/	33 d/
1952	719	333		386	0	0	57 d/	205 h/		100	24 i/
Plan j/						4*		300		162*	52*
Capacity			8*k/						8.0 l/		

- a. 7/
- b. Planned production was 6,000* metric tons. 1/
- c. Planned production was 390,000 metric tons.
- d. Planned production.
- e. Includes North China and Manchuria. Production was divided as follows: North China - 7,600 metric tons; Manchuria - 6,000 metric tons.
- f. Planned production was 168,800* metric tons. 12/
- g. Planned production was 77,000* metric tons. 17/
- h. Planned production was 203,000 metric tons.
- i. Estimated domestic requirements.
- j. Bulgaria - 1953 7/; East Germany - 1955; Poland - 1955 1/; Rumania - 1955. 1/
- k. China only. 30/
- l. 1952. Estimated capacity for 100 per cent caustic soda.

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SECURITY INFORMATION

SODIUM CARBONATE

	Thousand Metric Tons										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928											
1929											
1930											
1931											
1932											
1933											
1934											
1935											
1936											
1937											
1938		530					166* b/			89* b/	
1939											
1940		530									
1941											
1942											
1943											
1944											
1945		230*									111* b/
1946		250*									
1947		392*									
1948		565*					102* b/				197* b/
1949		740*					9/			1110* b/	
1950		866 d/						103			
1951		944						122			
1952								200 e/			
Plan f/						85*		640		389*	57*

- a. 1945-1949. 1/
- b. 1/
- c. Planned production was 105,000* metric tons. 1/
- d. Planned production was 800,000* metric tons. 12/
- e. Planned production was 270,600 metric tons.
- f. Bulgaria - 1953 1/; East Germany - 1955; Poland - 1955 1/ 11/; Rumania - 1955. 1/

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SECURITY INFORMATION

CHLORINE

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928					0	0					
1929					0	0					
1930		8			0	0					
1931		15			0	0					
1932		15			0	0					
1933		15			0	0					
1934		25			0	0					
1935		38			0	0					
1936		50			0	0					
1937		65			0	0					
1938		85			0	0		83	3		
1939		95			0	0					
1940		105			0	0				3	
1941					0	0					
1942					0	0			5		
1943					0	0					
1944			18 <u>a/</u>	261	0	0	25 <u>a/</u>	210 <u>a/</u>	8		18 <u>a/</u>
1945		95			0	0				3	
1946	163	105			0	0		58			
1947	198	115			0	0		82			
1948	255	135		120	0	0		106	3		11
1949	300	170			0	0		130			
1950	352	205		147	0	0		142	5		
1951	514	235	8	271	0	0	50	177	8	15	21
1952	560	261	8	291	0	0	50	198		20	23
Capacity					0 <u>b/</u>		60 <u>b/</u>		12 <u>b/</u>		

a. World War II year, not necessarily given years.
b. 1952.

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SECURITY INFORMATION

CALCIUM CARBIDE

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria a/ slovakia	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		<u>3.4</u>			0						
1929		<u>7</u>			0						
1930		<u>22</u>			0						
1931		<u>23</u>			0						
1932		<u>22</u>			0						
1933		<u>30</u>			0						
1934		<u>41</u>			0						
1935		<u>46</u>			0						
1936					0						
1937		60			0						
1938	150	80			0					64	6.0
1939	420	100			0			320			
1940		120			0						
1941		145			0						
1942					0						
1943					0						
1944			30 <u>b/</u>	498	0	1 <u>b/</u>	35 <u>b/</u>	160 <u>b/</u>	2.2 <u>b/</u>		
1945					0					220	3.0
1946					0			227			
1947				336	0			309		27	
1948				623	0	1.5	50	412		153	5.4
1949	891	200		691	0			529		162	
1950	1,113	233		880	0	2.5	68	628		173	9.0
1951	1,218	267	15	936	0	3.0	68	676	2.0	185	
1952	1,273	300	15	958	0	2.7	68	692		195	
Plan <u>g/</u>						8*		640		280*	
Capacity, 1952					0		75	750	8.7	210	6.5

a. Bulgarian production, except for years given, is negligible.
 b. World War II year, not necessarily 1944.
 c. Bulgaria - 1953 7/ ; East Germany - 1955; Poland - 1955. 7/

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SECURITY INFORMATION

PRODUCTION OF REFINED PHOSPHORUS

											Thousand Metric Tons
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1944					0	0		15.2			
1945					0	0					
1946					0	0		1.05			
1947					0	0		0.26			
1948					0	0		0.26			
1949					0	0		0.80			
1950					0	0		1.6			
1951		35.5			0	0		1.3			
1952		35.5			0	0					

NITROGEN FERTILIZER

												Thousand Metric Tons
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania	
Production												
1937							116* a/			220* a/		
1938									36* b/			
1939												
1940												
1942												
1943												
1944												
1945												
1946							13* b/					
1947							132* a/	135* b/		238* a/		
1948							160* a/	174* b/				
1949		1,423						213* b/	66* b/	244* a/		
1950								230* b/	94* b/	260* a/		
1951								252* a/				
1952												
Plan c/						40*	214*	300*	306*			

a. 7/
 b. 2/
 c. Bulgaria and Czechoslovakia - 1953 7/ ; East Germany - 1955 7/ ; Hungary - 1954. 7/

PRODUCTION OF AMMONIUM SULPHATE IN THE USSR

																Thousand Metric Tons
1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	
142			210								118	130	150			

PRODUCTION OF DYE IN THE USSR

																Thousand Metric Tons
1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	
			35					16	20	28	36	42	46 a/	53		

a. Planned production was 43,000 metric tons.

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SECURITY INFORMATION

SUPERPHOSPHATE

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		155* a/									
1929		203* b/									
1930		475* g/									
1931											
1932		614* d/									
1933											
1934		811* b/									
1935		1,164* g/									
1936		1,257* f/									
1937		1,432* d/									
1938				439			128* g/		63* g/	228* g/	20* g/
1939											
1940		4,158* h/									
1941											
1942											
1943											
1944							1* g/				
1945				160					1* g/	159* g/	
1946											
1947				188				8* g/	16* g/	164* g/	
1948		2,857						20* g/			
1949				34			32* g/				2* g/
1950				56			32* g/	24* g/			
1951								34* g/			
1952											
Plan i/							68*	140*		250*	

a. 31/ The figure 147,200* metric tons has also been given. 32/
 b. 33/
 c. 31/
 d. 31/
 e. 35/
 f. 25/
 g. 7/
 h. 31/
 i. Czechoslovakia - 1953 1/ ; East Germany - 1955 1/ ; Poland - 1955. 1/

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SECURITY INFORMATION

PRODUCTION OF RAYON

	Thousand Metric Tons										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia b/	East Germany	Hungary b/	Poland b/	Rumania b/
1928	16	0.6	0	15	0		2.3	10	0.3	2.7	0
1929	16	0.6	0	15	0		2.3	10	0.3	2.7	0
1930	16	0.6	0	15	0		2.3	10	0.3	2.7	0
1931	18	1.6	0	17	0		2.8	10	0.1	3.6	0
1932	18	2.6	0	16	0		2.5	10	0.1	3.5	0
1933	22	4.7	0	18	0		2.7	11	0.1	3.8	0
1934	28	5.4	0	23	0		2.6	16	0.1	4.7	0
1935	36	6.3	0	30	0		2.8	21	0.1	5.7	0.1
1936	48	7.9	0	40	0		3.4	30	0.1	6	0.2
1937	76	9.3	0	67	0		4.5	54	0.1	8	0.6
1938	100	10.9	0	89	0	Negligible	2.7	76	0.1	10	0.8
1939	120	12.7	0	108	0		2.7	94	0.1	10	1.2
1940	138	15.0	0	123	0		3	106	0.1	12	2.3
1941	162	11.3	0	151	0		4	129	0.1	14	3.4
1942	166	0.9	0	166	0		6	138	0.1	17	4.5
1943	171	0.9	0	170	0		7	138	1.4	20	4.5
1944	134	2.3	0	132	0		6	103	1.8	17	4.7
1945	48	4.5	0	43	0		6	30	0.4	5.4	1.8
1946	52	8.6	0	44	0	Negligible	12	26	0.5	3.5	1.4
1947	70	6.8	0	63	0	Negligible	18	38	0.5	5.6	1.4
1948	92	19.1	0	73	0	Negligible	23	41	0.6	7	1.5
1949	125	24.9	Negligible	100	0	Negligible	25	64	0.7	9	1.5
1950	141	34.0	Negligible	107	0	Negligible	26	68	1.3	10	1.5
1951	177	37.6	Negligible	140	0	Negligible	28	98	1.5	11	1.5
1952	184	41.2	Negligible	143	0	Negligible	30	98	1.7	12	1.5

a. 1928-1945, prewar boundaries; 1946-1952, present boundaries.
 b. Present boundaries.

PRODUCTION OF PLASTICS

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1941		14 a/									
1942											
1943											
1944											
1945		16									
1946		18									
1947		20									
1948		23									
1949		25									
1950		28 b/						30* c/			
1951								40* c/			

a. Planned output.
 b. Planned production was 36,000 tons.
 c. 38/

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SECURITY INFORMATION

PENICILLIN AND STREPTOMYCIN

	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
PENICILLIN (Billion Units)											
Production											
1952	12,000	7,500	60	4,000	0	0	900	1,800	650	600	0
Possible Consumption a/											
1952	38,000										
Imports from US b/											
1952											
1951							9				
1950	1,300	0.1	640	680	3.5	10	18		640	0.34	7
Imports from West c/											
1952	70,000										
Stocks, end 1952	71,000										
STREPTOMYCIN (Metric Tons)											
Production											
1952	Negligible										
Possible Consumption a/											
1952	12										
Imports from US b/											
1951				6.016		0.003	0.003			0.010	
1950	2.2	0.0006	0.38	1.8	0.010	0.032	0.28		0.18	1.3	0.028
Imports from West c/											
1952	70										
Stocks, end 1952	50										

a. This is based on a consuming population of 20,000,000 people at the US rate of consumption in 1952.
 b. Imports from the US were negligible for 1951 and 1952, being limited by US licensing requirements to some gift packages only.
 c. West is defined as all countries outside the Soviet Bloc excepting the US. In addition, 15 metric tons of miscellaneous antibiotics were imported from the West.

PRODUCTION OF ETHYL ALCOHOL IN THE USSR

		Million Gallons									
1928		1933	100	1938	244	1943		1948	191		
1929	46	1934	125	1939	245	1944		1949	239		
1930		1935	166	1940	235	1945		1950	254		
1931		1936	183	1941		1946	130	1951	262		
1932	96	1937	209	1942		1947	130	1952	310		

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SECURITY INFORMATION

PRODUCTION OF VEGETABLE OILS
(Equivalent Basis) ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928	4,824	829	3,869	127	1.0	25	7	5	12	32	46
1929	4,761	752	3,869	140	1.0	16	9	4.5	12	40	56
1930	4,798	767	3,885	145	1.0	20	6.4	3.7	17	35	62
1931	5,082	1,042	3,885	154	1.0	32	7	2.9	16	38	58
1932	5,108	914	4,070	123	1.0	18	7.4	1.8	14	26	54
1933	5,163	931	4,092	141	1.5	22	8	2.2	16	29	62
1934	4,682	803	3,724	155	1.0	28	9	9	16	34	58
1935	4,600	842	3,540	218	2.1	52	9	18	14	44	70
1936	5,120	954	3,929	237	1.8	55	12	24	14	47	83
1937	4,982	1,014	3,743	226	3.2	50	11	22	14	48	78
1938	4,452	907	3,300	244	2.0	42	16	29	18	53	85
1939	4,635	892	3,512	230	3.3	52	15	20	18	51	71
1940	4,718	882	3,654	182	1.8	44	17	23	17	31	48
1941	4,301	525	3,522	255	2.5	56	24	58	23	29	63
1942	3,805	500	3,069	235	1.8	28	24	38	60	38	46
1943	4,207	595	3,264	348	2.6	26	28	121	76	49	47
1944	4,346	634	3,364	349	1.9	26	40	111	79	39	51
1945	4,018	632	3,207	179	3.0	10	18	45	36	13	54
1946	4,194	634	3,681	179	1.4	21	14	45	55	12	32
1947	4,845	768	3,836	241	3.2	33	10	47	54	22	72
1948	5,007	832	3,899	276	2.2	33	13	43	94	25	67
1949	4,628	886	3,427	315	3.9	33	13	73	94	41	58
1950	5,042	994	3,798	251	2.3	28	12	51	70	40	48
1951	5,388	1,091	4,009	288	4.0	33	13	53	98	32	56

a. Data represent oil content of vegetable oil seeds produced. To convert to maximum potential oil production deduct a 20 per cent waste and direct consumption factor from data for the USSR and the European Satellites. A 40 per cent factor should be subtracted from the data for China.

ESTIMATED ACTUAL PRODUCTION OF VEGETABLE OILS ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania b/	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Prewar	2,801	858 ^{c/}	1,800 ^{d/}	143	2.7	47	11	20	12	20	30
1950	2,718	775	1,700	243	2.7	34	13	49	43	54	47
1951	2,848	828	1,705	315	5.2	40	16	53	83	54	64
1952	2,811	885	1,690	236	2.6	29	13	52	39	51	49
Plan ^{e/}						51*		88*			72*

a. Excludes production of vegetable oils from tree crops (except olive) and grains. Present boundaries for all countries.
 b. Wide fluctuations are caused by cyclical patterns of olive crop.
 c. 1938 processing year.
 d. 1931-1937 average.
 e. Bulgaria - 1953 ^{7/} ; East Germany - 1955 ^{7/} ; Rumania - 1955. ^{7/}

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ANIMAL FATS a/

	Thousand Metric Tons										
	Bloc	USSR b/	China c/	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany d/	Hungary	Poland	Rumania
1928	2721	599	1032	1090	2	39	135	515	93	255	51
1929	2677	608	1032	1037	2	39	134	474	91	251	46
1930	2482	418	1032	1032	2	38	138	467	85	259	43
1931	2588	412	1032	1144	2	37	138	520	94	301	52
1932	2512	381	1032	1099	2	37	132	507	85	286	50
1933	2461	376	1032	1053	2	36	129	521	71	243	51
1934	2602	396	1032	1174	2	35	139	575	87	285	51
1935	2719	477	1032	1210	2	33	138	581	105	300	51
1936	2873	608	1032	1233	2	33	141	598	89	319	51
1937	2865	553	1032	1280	2	34	139	624	91	338	52
1938	3059	724	1032	1303	2	33	162	615	105	333	53
1939	2964	609	1032	1323	2	32	160	613	132	333	51
1940	3127	659	1032	1436	2	31	147	738	154	333	31
1941	2301	597	949	755	2	31	128	187	111	264	32
1942	2168	474	949	745	2	35	125	167	127	259	32
1943	2000	367	949	684	2	35	118	150	94	253	32
1944	1877	291	949	637	2	26	117	153	63	246	30
1945	1844	311	949	584	1	29	99	151	34	242	28
1946	1601	425	842	334	1	17	109	62	31	86	28
1947	1704	423	842	439	1	20	115	80	45	151	27
1948	1876	555	842	481	1	19	90	82	51	208	30
1949	2017	618	842	557	1	21	110	91	69	232	33
1950	2210	681	842	687	1	23	127	100	70	330	36
1951	2301	769	842	690	1	23	123	135	72	299	37
1952	2408	851	842	715	1	25	121	195	80	251	42

- a. Includes butter, beef, lamb, mutton, goat, and pork fats, except where otherwise indicated.
b. Non-creamery butter is not included. 1928-1940, includes Estonia, Latvia, and Lithuania; 1940-1952, postwar boundaries.
c. Includes Manchuria; pork fat only. The abrupt changes indicated in the production of animal fats are the result of estimation based on incomplete data. Actual changes occurred more gradually.
d. 1928-1940, non-West Germany (i.e., 1937 Germany minus West Zone 1951); 1941-1952, Soviet Zone only.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF CRUDE BENZOL

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		21			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		73			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0					
1937		196			0	0					
1938					0	0				36* a/	
1939					0	0					
1940		238			0	0					
1941					0	0					
1942					0	0					
1943		104			0	0					
1944					0	0					
1945					0	0					
1946		110			0	0					
1947		124			0	0					
1948		150			0	0					
1949		176			0	0		13		45* a/	
1950	383	230 b/		153	0	0	64	15	1.4	73	
1951	430	270 b/		168	0	0	70	17 c/		81	
1952	492	305 b/		187			80	29 c/		88	

a. 9/
 b. These figures include only crude benzol produced as a by-product of coke; they do not include production from petroleum.
 c. Planned production for 1951 and 1952 was 16,000 and 18,000 metric tons, respectively.

S-E-C-R-E-T
SECURITY INFORMATION

PRODUCTION OF REFINED BENZOL

	Thousand Metric Tons										
	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		15			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		54			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	18				
1937	179	146			0	0	33				
1938					0	0				31	
1939					0	0					
1940		177			0	0					
1941					0	0					
1942					0	0					
1943		77			0	0					
1944					0	0					
1945					0	0					
1946		85			0	0					
1947		92			0	0					
1948	184	112		72	0	0	37				35
1949	224	131		93	0	0	41	7			45
1950	283	171		112	0	0	48	8			55
1951	324	200		124	0	0	53	10 ^{a/}			61
1952	365	228		137	0	0	60	11 ^{a/}			66

a. Planned production for 1951 and 1952 was 9,000 and 11,000 metric tons, respectively.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF TOLUOL

Thousand Metric Tons											
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		4			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		13			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	2.3				
1937	39	35			0	0	3.5				
1938					0	0					
1939					0	0					
1940		43			0	0					
1941					0	0					
1942					0	0					
1943		19			0	0					
1944					0	0					
1945					0	0					
1946		20			0	0					
1947		22			0	0					
1948	34	27		7	0	0	5			2	
1949	42	32		10	0	0	6	1.5		3	
1950	56	42 <u>a/</u>		14	0	0	7	2.4		5	
1951	66	49 <u>a/</u>		17	0	0	8	3 <u>b/</u>		6	
1952	76	56 <u>a/</u>		20			9	4 <u>b/</u>		7.5	

a. These figures include only toluol produced as a by-product of coke; they do not include production from petroleum.
 b. Planned production for 1951 and 1952 was 2,000 and 3,000 metric tons, respectively.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF REFINED PHENOL

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		0.7			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		2.5			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	0.6				
1937	8	6.8			0	0	1.0				
1938					0	0					
1939					0	0					
1940		8.2			0	0					
1941					0	0					
1942					0	0					
1943		3.6			0	0					
1944					0	0					
1945					0	0					
1946		4.0			0	0					
1947		4.3			0	0					
1948	8	5.0		2.5	0	0	2.0			0.5	
1949	9	6.0		3.2	0	0	2.5			0.7	
1950	11	8.0 <u>a/</u>		3.5	0	0	2.7			0.8	
1951	13	9.3 <u>a/</u>		3.8	0	0	2.8			1.0	
1952	16	10.6 <u>a/</u>		4.9	0	0	2.9			2.0	

a. These figures include only phenol produced as a by-product of coke. They do not include production of synthetic phenol which is thought to be 2 or 3 times as high.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF CRESOLS

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		1.1			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		4.0			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	1.0				
1937	12	10.7			0	0	1.6				
1938					0	0					
1939					0	0					
1940		13.0			0	0					
1941					0	0					
1942					0	0					
1943		5.7			0	0					
1944					0	0					
1945					0	0					
1946		6.0			0	0					
1947		6.8			0	0					
1948	11	8.0		2.9	0	0	2.3			0.6	
1949	13	9.5		3.8	0	0	3.0			0.8	
1950	17	12.6		4.1	0	0	3.1			1.0	
1951	20	14.8		4.9	0	0	3.2			1.7	
1952	23	17.0		5.6	0	0	3.3			2.3	

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF XYLOL

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		1.4			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		4.7			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	0.4				
1937	13	13			0	0	0.8				
1938					0	0					
1939					0	0					
1940		15			0	0					
1941					0	0					
1942					0	0					
1943		6.7			0	0					
1944					0	0					
1945					0	0					
1946		7.0			0	0					
1947		8.0			0	0					
1948		9.7		2.5	0	0	1.2				1.3
1949	14	11		3.3	0	0	1.4	0.4			1.5
1950	18	15		4.0	0	0	1.6	0.7			1.7
1951	21	17		4.4	0	0	1.7	0.9			1.8
1952	25	20		4.7	0	0	1.8	1.0			1.9

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF NAPHTHALENE

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Romania
1928		3.4			0	0					
1929					0	0					
1930					0	0					
1931					0	0					
1932		12			0	0					
1933					0	0					
1934					0	0					
1935					0	0					
1936					0	0	5.9				
1937	40	32			0	0	8.0				
1938					0	0				3.8	
1939					0	0					
1940		39			0	0					
1941					0	0					
1942					0	0					
1943		17			0	0					
1944					0	0					
1945					0	0					
1946		18			0	0					
1947		20			0	0					
1948		24		20	0	0	8.1			12.0	
1949	56	29		28	0	0	9.8	3.2		14.5	
1950	68	38		30	0	0	11.0	3.4		16.0	
1951	78	44		34	0	0	13.0	3.7		17.0	
1952	90	50		39	0	0	17.0	4.9		17.5	

S E C R E T

SECURITY INFORMATION

XII

BRICKS, GLASS, AND CEMENT

(Pages 93-95)

Bricks, Glass,
and Cement

S E C R E T

S-E-C-R-E-T
SECURITY INFORMATION

UNGLAZED BRICKS

Million of Bricks

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		1,785* a/									
1929		2,880* a/									
1930		5,100* a/									
1931										1,068* b/	
1932	5,833	4,928* c/								905* b/	
1933	4,249	3,255								994* b/	
1934	6,537	4,367		2,170			912* b/			1,258* b/	
1935	6,514	5,200								1,314* b/	
1936	8,415	6,800								1,615* b/	
1937	11,642	8,666		2,976			1,128* b/			1,848* b/	
1938	10,979	8,700		2,279					432* b/	1,847	
1939		8,000									
1940		7,200									
1941		6,000									
1942	3,543	3,000							543* b/		
1943	2,749	2,300							449* b/		
1944		2,000									
1945	1,663	1,600							63* b/		
1946		3,000									
1947	5,865	4,400		1,465			754	355			356
1948	9,622	6,864		2,758			1,208	656	258		636
1949	10,881	8,000		2,881			1,278		350		1,253
1950	14,085	9,600 d/		4,485			1,424	1,600			1,461
1951	16,792	12,300		4,492			1,592	1,400			1,500
1952	21,300	15,990		5,310		500	1,730	1,680			1,400
Plan e/								3,300			3,756

a. 24/
b. 16/
c. 39/
d. Planned production was 9.6 billion.
e. 1955.

S-E-C-R-E-T

SECURITY INFORMATION

FLAT GLASS

	Million of Square Meters										
	Belg	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1945		24 a/			0						
1946		43			0						
1947		51			0						
1948		61			0						7
1949		75			0		19			11	
1950		80 b/			0						
1951		83			0			13		12	
1952		90			0			15		14	
Plan g/					0.02	6.4					15

- a. Production in 1933 and 1940 was 30 million and 50 million square meters, respectively.
 b. Planned production was 80 million square meters.
 c. Albania - 1955; Bulgaria - 1953; Poland - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

CEMENT (HYDRAULIC)

	Thousand Metric Tons										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria b/	Czecho- slovakia c/	East Germany	Hungary d/	Poland e/	Rumania f/
Production											
1928	4,673	1,900*		2,773		108*	809*		426*	1,098*	332*
1929	5,361	2,232*		3,129		151*	1,250*		403*	1,008*	317*
1930	5,932	3,006*		2,926		174*	1,195*		329*	832*	396*
1931	5,678	3,336*		2,342		104*	1,200*		296*	546*	196*
1932	6,137	3,481	622	2,034		139*	1,081		197*	354	263*
1933	5,061	2,720	558	1,783		121*	850		181*	411	220*
1934	6,663	3,533	840	2,290		130*	900		225*	721	314*
1935	8,083	4,470	1,026	2,587		124*	958		280*	842	382*
1936	9,900	5,845	1,244	2,811		122*	1,050		215*	1,048	376*
1937	10,178	5,459	1,060	3,659		154*	1,360		392*	1,289	464*
1938	12,008	5,703	1,049	5,256	14* g/	180		2,500* g/	395*	1,719	448
1939	6,790	5,184	1,075								531*
1940	6,683	5,252	1,017		14						400*
1941	7,344	5,345	1,189				810*				
1942	6,971	5,400	1,571								
1943	4,336	2,800	1,536								
1944	4,912	2,500	1,137	1,275		126*	823*				326*
1945	2,638	1,800	42	796		245*				301	250*
1946	6,406	3,400	208	2,798			920		164	1,399	315
1947	9,864	4,800	608	4,456			1,404	900	209	1,522	421
1948	12,770	6,600	700	5,470	25* g/	369	1,650	800	350	1,824	452
1949	15,732	8,800	466	6,466		468	1,738	1,100	400	2,200	560
1950	19,095	10,500 h/	720	7,875	15	740	1,850	1,300	550	2,520	900
1951	22,405	12,400	1,500	8,505		740	1,850	1,621	655	2,689	950
1952	24,270	14,500	1,750	8,020			1,980	1,740		2,700	1,600
Plan i/		24,100	2,047		58	650	2,600	2,600	1,000	4,950	2,830

- a. 1928, 40/; 1929-1931, 41/
b. 1928-1937, 1944, 1945, 3/ 16/
c. 1928, 1929, 17/; 1930, 1931, 24/; 1941, 1944, 3/ 16/
d. 1928-1938, 3/ 16/
e. 1928-1932, 3/ 16/
f. 1928-1933, 1935-1937, 1939, 1940, 1944, 1945, 3/ 16/; 1934, 9/
g. 7/
h. Planned production was 10.5 million metric tons.
i. USSR - 1955; China - 1953; Albania - 1955; Bulgaria - 1953; Czechoslovakia - 1953; East Germany - 1955; Hungary - 1954; Poland - 1955; Rumania - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

XIII

FERROUS METALS

(Pages 97-111)

Ferrous Metals

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PIG IRON

Million Metric Tons

	<u>Bloc</u>	<u>USSR</u>	<u>China</u>	<u>European Satellites</u>	<u>Albania</u>	<u>Bulgaria</u>	<u>Czecho-slovakia e/</u>	<u>East Germany</u>	<u>Hungary a/</u>	<u>Poland b/</u>	<u>Rumania c/</u>
Production											
1928	6.4	<u>3.4</u>	0.43	2.6	0	0	1.6*		0.23*	0.68*	0.070*
1929	7.5	<u>4.3</u>	0.44	2.8	0	0	1.6*		0.37*	0.71*	0.072*
1930	7.7	<u>5.0</u>	0.47	2.2	0	0	1.4*		0.26*	0.48*	0.069*
1931	7.1	<u>4.9</u>	0.48	1.7	0	0	1.2*		0.16*	0.35*	0.026*
1932	7.4	<u>6.2</u>	0.52	0.72	0	0	0.45*		0.066*	0.20*	0.009*
1933	8.6	<u>7.1</u>	0.61	0.90	0	0	0.50*		0.093*	0.31*	0.002*
1934	12	<u>10</u>	0.63	1.2	0	0	0.60*		0.11*	0.38*	0.062*
1934	12	<u>10</u>	0.63	1.2	0	0	0.81*		0.19*	0.40*	0.082*
1935	15	<u>12</u>	0.56	1.5	0	0	0.81*		0.19*	0.40*	0.082*
1935	15	<u>12</u>	0.56	1.5	0	0	1.1*		0.31*	0.59*	0.097*
1936	17	<u>14</u>	0.57	2.1	0	0	1.7		0.36	0.72*	0.13*
1937	18	<u>14</u>	0.67	2.9	0	0	1.3*		0.34*	0.88	0.13
1938	18	<u>15</u>	0.97	2.7	0	0	1.3*		0.34*	0.88	0.13
1938	18	<u>15</u>	0.97	2.7	0	0	1.6*	0.23* d/	0.41*	0.65*	0.12*
1939	19	<u>14</u>	1.4	3.0	0	0	1.6*		0.43*		0.12*
1940	19	<u>15</u>	1.6	2.2	0	0	1.6*		0.43*		0.12*
1940	19	<u>15</u>	1.6	2.2	0	0	1.6*		0.43*		0.12*
1941	16	<u>12</u>	1.7	2.1	0	0	1.6*		0.42*		0.16*
1942	8.7	<u>4.5</u>	2.0	2.2	0	0	1.6*		0.42*		0.23*
1943	10	<u>5.9</u>	2.0	2.3	0	0	1.7*		0.42*		0.23*
1943	10	<u>5.9</u>	2.0	2.3	0	0	1.6*		0.30*		0.14*
1944	12	<u>7.7</u>	2.4	2.0	0	0	1.6*		0.30*		0.14*
1944	12	<u>7.7</u>	2.4	2.0	0	0	0.50		0.045	0.23	0.055
1945	10	<u>9.0</u>	0.49* g/	0.83	0	0	0.95	0.12	0.16	0.73	0.065
1946	12	<u>10</u>		2.0	0	0	0.95	0.12	0.16	0.73	0.065
1946	12	<u>10</u>		2.0	0	0	1.1	0.13	0.32	0.87	0.090
1947	14	<u>12</u>	0.006	2.8	0	0	1.1	0.13	0.32	0.87	0.090
1947	14	<u>12</u>	0.006	2.8	0	0	1.7	0.27	0.40	1.1	0.13
1948	18	<u>14</u>	0.047* g/	3.6	0	0	1.7	0.27	0.40	1.1	0.13
1948	18	<u>14</u>	0.047* g/	3.6	0	0	1.8	0.25	0.40	1.2	0.19 f/
1949	21	<u>17</u>	0.13	3.8	0	0	1.8	0.25	0.40	1.2	0.19 f/
1949	21	<u>17</u>	0.13	3.8	0	0	1.9	0.34	0.42	1.5	0.22 h/
1950	25	<u>20* g/</u>	1.1	4.4	0	0	2.0	0.40	0.45	1.6	0.28 i/
1950	25	<u>20* g/</u>	1.1	4.4	0	0	2.0	0.40	0.45	1.6	0.28 i/
1951	28	<u>22</u>	1.5	4.7	0	0	2.0	0.56	0.48	1.6 j/	0.30 l/
1951	28	<u>22</u>	1.5	4.7	0	0	2.0	0.56	0.48	1.6 j/	0.30 l/
1952	32	<u>25 k/</u>	1.8	5.0	0	0	2.0	0.56	0.48	1.6 j/	0.30 l/
1952	32	<u>25 k/</u>	1.8	5.0	0	0	0.02*	2.7*	2.0*	1.3*	3.5*
Plan m/		<u>34*</u>									

a. 1928-1930 3/ ; 1931-1936, 1938-1944. 16/
 b. 1928-1930 3/ ; 1931-1937, 1939. 16/
 c. 1928-1930 3/ ; 1931-1937, 1939-1944. 16/
 d. 7/
 e. 9/
 f. Estimated range of accuracy, plus or minus 7 per cent.
 g. 16/
 h. Estimated range of accuracy, plus or minus 6 per cent.
 i. Estimated range of accuracy, plus or minus 9 per cent.
 j. Planned production was 25 million* metric tons. 12/
 k. Estimated range of accuracy, plus or minus 3 per cent.
 l. Estimated range of accuracy, plus or minus 8 per cent.
 m. USSR - 1955 43/ ; Bulgaria - 1953 7/ ; Czechoslovakia - 1953 7/ ; East Germany - 1955 7/ ; Hungary - 1954 7/ ; Poland - 1955 7/ ; Rumania - 1955. 7/

S-E-C-R-E-T

SECURITY INFORMATION

RAW STEEL

												Million Metric Tons
Production	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Rumania	
1928		<u>4.3</u>										
1929		<u>4.7</u>										
1930		<u>5.8</u>										
1931		<u>5.6</u>										
1932		<u>5.2</u>										
1933		<u>6.8</u>										
1934		<u>9.7</u>										
1935		<u>13</u>	0.26									
1936		<u>16</u>	0.41									
1937	21	<u>18</u>	0.56									
1938	21	<u>18</u>	0.58	2.4	0	0	2.3					
1939	22	<u>18</u>	0.53	4.0					0.65	1.5	0.28	
1940	21	<u>18</u>	0.54				2.3* a/	1.7* b/				
1941	20	<u>17</u>	0.57				2.4* a/					
1942	10	<u>6.5</u>	0.74	3.2			2.4* a/		0.78* e/			
1943	14	<u>7.7</u>	0.85	5.8			2.4* a/		0.78* e/			
1944	14	<u>9.9</u>	0.76	3.6			2.6* a/		0.78* e/	2.4		
1945	14	<u>12</u>	0.15	1.7	0	0	2.5* a/		0.69* a/		0.32 g/	
1946	16	<u>13</u>		3.4	0	0	1.0	d/	0.13	0.5	0.14	
1947	19	<u>14</u>	0.06	4.8	0	0	1.6	0.10	0.35	1.2	0.15	
1948	24	<u>18</u>		5.7	0	0	2.3	0.11	0.60	1.6	0.18	
1949	29	<u>22</u>	0.11	6.4	0	0	2.5	0.40	0.75	1.8	0.22	
1950	34	<u>26 f/</u>	0.61	7.0	0	0	2.6	0.58	0.78 g/	2.2	0.24 e/	
1951	39	<u>31</u>	0.87	7.5	0	0	2.7 g/	0.97	0.80	2.2	0.26 h/	
1952	44	<u>34 i/</u>	1.2	8.4	0	0	2.9 e/	1.2	0.80	2.3	0.29 g/	
Plan h/		<u>45*</u>			0	0	3.0 j/	1.8	0.82	2.4	0.31 g/	
Capacity l/					0	0	4.6*	3.1*	2.2*	4.6*	1.2*	
							3.3	1.8	0.92	2.9	0.50	

a. 16/
 b. 7/
 c. World War II year, not necessarily 1944.
 d. East German production in 1945 was 600 metric tons.
 e. Estimated range of accuracy, plus or minus 3 per cent.
 f. Planned production was 25.4 million metric tons.
 g. Estimated range of accuracy, plus or minus 4 per cent.
 h. Estimated range of accuracy, plus or minus 5 per cent.
 i. Planned production was 35 million* metric tons. 42/
 j. Estimated range of accuracy, plus or minus 2 per cent.
 k. USSR - 1955 13/; Bulgaria - 1953 1/; Czechoslovakia - 1953 1/; East Germany - 1955 1/; Hungary - 1954 1/; Poland - 1955 1/; Rumania - 1955. 1/
 l. 1951-1952.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

IRON CASTINGS ^{a/}

	Thousand Metric Tons										
	Flac	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		802									
1929		1077									
1930		1170									
1931		1199									
1932		1981									
1933		2050									
1934		3112									
1935		3231									
1936											
1937											
1938	3280	2984		296	0	0	236		60		
1939											
1940											
1941											
1942											
1943											
1944											
1945					0	0				18	
1946				137	0	0		111		26	
1947				119	0	0	67 ^{b/}			52	
1948				314	0	0	78 ^{b/}	206		60	
1949				470	0	0	90 ^{b/}	320		60	
1950				571	0	0	106 ^{b/}	405		60	
1951	10492	9820		672	0	0	146 ^{b/}	466		60	
1952					0	0				60	
Plan ^{g/}								555*			

a. Gray iron castings and malleable iron castings.
 b. Plan figures.
 c. 1955. ^{b/}

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

ROLLED STEEL

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		3500									
1929		3800									
1930		4600									
1931		4100									
1932		4300									
1933		5062									
1934		7044									
1935		2000	26								
1936		12100	135								
1937		13000	370		0	0	1630				
1938	a/	13300			0	0			350	1000	200
1939		13100									
1940		13100									
1941		13100									
1942		4500	458								
1943		5600	486								
1944		7000	282								
1945	9070	7900		1170	0	0	670		70	330	100
1946	11246	8900		2346	0	0	1160	76	200	800	110
1947	13630	10300		3330 b/	0	0	1628 b/	92	375 c/	1100	135
1948	16992	13200		3791	0	0	1800	192	450	1175	175 d/
1949	21106	16700		4406 e/	0	0	1875 b/	129	500	1400 f/	202 g/
1950	24862	19500 h/	325	5037 b/	0	0	1950	712	525	1625	225
1951	28458	22500	583	5375	0	0	2100	750	550	1700	275
1952	32310	25100	1044	6166	0	0	2200	1178	575	1925	288
Plan i/		38425*				13*	2900*	2235*		3200*	828*
Capacity								1350			
Imports			357 j/								
Exports		357 k/									
Availability		24743	1401								

a. Total Bloc production estimated at 16,850,000 metric tons on the basis of data available for the years 1937 and 1938; total production of European Satellites estimated at 3,180,000 metric tons.
 b. Estimated range of accuracy, plus or minus 1 per cent.
 c. Estimated range of accuracy, plus or minus 6 per cent.
 d. Estimated range of accuracy, plus or minus 14 per cent.
 e. Estimated range of accuracy, plus or minus 3 per cent.
 f. Estimated range of accuracy, plus or minus 7 per cent.
 g. Estimated range of accuracy, plus or minus 16 per cent.
 h. Planned production was 17,800,000 metric tons.
 i. USSR - 1955 42/; Bulgaria - 1953 1/; Czechoslovakia - 1953 1/; East Germany - 1955 1/; Poland - 1955 1/; Rumania - 1955. 1/
 j. 1952; from USSR.
 k. 1952; to China.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF RAILS

	Thousand Metric Tons										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>352</u>									
1929		<u>335</u>									
1930		<u>398</u>									
1931		<u>454</u>									
1932		<u>427</u>									
1933		<u>517</u>									
1934		<u>787</u>									
1935											
1936											
1937											
1938	1,404	1,112		292 b/	0 b/	0 b/	130 b/		40 b/	110 b/	12 b/
1939											
1940											
1941		1,072									
1942											
1943											
1944											
1945				104	0	0	54		8	36	6
1946	922	712		210	0	0	93		23	88	7
1947	1,126	824		302	0	0	130 g/		43 d/	121	8
1948	1,390	1,055		334	0	0	144		51	129	10 e/
1949	1,721	1,335		386	0	0	150 g/	14 f/	57	154 d/	12 g/
1950	1,987	1,560 h/		427	0	0	156 i/	20 f/	60	179 j/	13 k/
1951	2,230	1,800		430	0	0	164 j/		63	187	16
1952		2,010									

- a. Railroad rail production in the USSR is approximately 85 per cent of total rail production.
- b. This figure is for the pre-World War II period, not necessarily 1938.
- c. Estimated range of accuracy, plus or minus 1 per cent.
- d. Estimated range of accuracy, plus or minus 7 per cent.
- e. Estimated range of accuracy, plus 20 per cent or minus 10 per cent.
- f. The figure for 1949 includes 2,000 metric tons of narrow-gauge rails and 12,000 metric tons of standard-gauge rails; the figure for 1950 represents heavy rail production with some accessories included.
- g. Estimated range of accuracy, plus or minus 16 per cent.
- h. Planned production was 1,350,000 metric tons of rails.
- i. Estimated range of accuracy, plus or minus 3 per cent.
- j. Estimated range of accuracy, plus or minus 2 per cent.
- k. Estimated range of accuracy, plus or minus 8 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF PLATES AND SHEETS ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>755</u>									
1929		<u>513</u>									
1930		<u>972</u>									
1931		<u>756</u>									
1932		<u>692</u>									
1933		<u>697</u>									
1934		<u>950</u>									
1935											
1936											
1937 ^{b/}				779	0	0	380		101	250	48
1938											
1939											
1940											
1941		<u>2,491</u>									
1942											
1943											
1944											
1945				282	0	0	150		20	82	24
1946				585	0	0	271		58	200	26
1947	3,299	2,503		794	0	0	379 ^{c/}		108 ^{d/}	275	32
1948	4,093	3,208		885	0	0	419		130	294	42 ^{e/}
1949	5,214	4,058		1,156	0	0	437 ^{c/}	177	144	350 ^{f/}	48 ^{g/}
1950	5,938	4,739		1,199	0	0	454 ^{h/}	135	151	406 ^{c/}	52 ^{i/}
1951	6,765	5,468		1,297	0	0	478 ^{j/}	170	158	425	66
1952	7,453	6,000		1,353	0	0	500 ^{i/}	178 ^{k/}	165	435	75

- a. Plates and sheets are listed above as a single category because separation is impossible on the basis of available information. Carbon steel plates are considered to be those flat, hot-rolled, finished steel products that come within the following dimensional and weight limitations:
 0.180 to 0.230 inches thick, at least 48 inches wide;
 0.230 inches or thicker, at least 6 inches wide;
 7.53 to 9.62 pounds, at least 48 inches wide;
 9.62 pounds or heavier, at least 6 inches wide.
- Sheets are defined as flat rolled material, 3/16 inches or less in thickness and at least 24 inches in width.
- b. Data are for pre-World War II period, not necessarily 1937.
 c. Estimated range of accuracy, plus or minus 1 per cent.
 d. Estimated range of accuracy, plus or minus 6 per cent.
 e. Estimated range of accuracy, plus or minus 14 per cent.
 f. Estimated range of accuracy, plus or minus 7 per cent.
 g. Estimated range of accuracy, plus or minus 15 per cent.
 h. Estimated range of accuracy, plus or minus 3 per cent.
 i. Estimated range of accuracy, plus or minus 8 per cent.
 j. Estimated range of accuracy, plus or minus 2 per cent.
 k. Data are for plants controlled directly by the Ministry of Smelting and Ore Mining.

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S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF TIN PLATE ^{a/}

	Thousand Metric Tons									
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary b/	Poland
1928										
1929										
1930										
1931										
1932										
1933										
1934										
1936										
1937										
1938 ^{e/}	80	61		19	0	0	6.8		10	2.5
1939										
1940										
1941		<u>77</u>								
1942										
1943										
1944										
1945				7	0	0	2.8	Negligible	3.3	1.2
1946				14	0	0	4.9	Negligible	8	1.4
1947	123	103		20	0	0	6.8 ^{d/}	Negligible	11	1.7
1948	154	132		22	0	0	7.6	Negligible	12	2.2 ^{e/}
1949	191	167		24 ^{f/}	0	0	7.9 ^{d/}	Negligible	14	2.5 ^{g/}
1950	222	195		27 ^{h/}	0	0	8.2 ^{h/}	Negligible	16 ^{h/}	2.7 ^{f/}
1951	254	225		29	0	0	8.6 ^{h/}	Negligible	17	3.4
1952	281	250		31	0	0	9.0	Negligible	18	3.6

- a. Tin plate is defined as a thin sheet of steel coated with tin.
- b. It is believed that Hungary produces some tin plate by the hot-dip method.
- c. Data are for the pre-World War II period, not necessarily 1938.
- d. Estimated range of accuracy, plus or minus 1 per cent.
- e. Estimated range of accuracy, plus or minus 14 per cent.
- f. Estimated range of accuracy, plus or minus 7 per cent.
- g. Estimated range of accuracy, plus or minus 16 per cent.
- h. Estimated range of accuracy, plus or minus 2 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF PIPES AND TUBES ^{a/}

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>182</u>									
1929		<u>199</u>									
1930		<u>228</u>									
1931		<u>222</u>									
1932		<u>219</u>									
1933		<u>251</u>									
1934		<u>300</u>									
1935											
1936											
1937											
1938 ^{b/}	1,086	764		322	0	0	185		34	90	13
1939											
1940											
1941		<u>1,230</u>									
1942											
1943											
1944											
1945				119	0	0	76		6.8	30	6.5
1946				231	0	0	132		19	72	7.2
1947	922	592		329	0	0	185 ^{c/}		36 ^{d/}	99	8.8
1948	1,124	759		365	0	0	204		44	106	11 ^{e/}
1949	1,369	960		409	0	0	213 ^{c/}	8.6	48	126 ^{d/}	13 ^{f/}
1950	1,584	1,121		463	0	0	222 ^{g/}	30	51	146 ^{c/}	14 ^{d/}
1951	1,788	1,294		495	0	0	233 ^{g/}	38	53	153	18
1952	1,972	1,445		527	0	0	244	37	56	170	20

- a. Includes both seamless and welded items.
- b. Data are for the pre-World War II period, not necessarily 1938.
- c. Estimated range of accuracy, plus or minus 1 per cent.
- d. Estimated range of accuracy, plus or minus 7 per cent.
- e. Estimated range of accuracy, plus or minus 13 per cent.
- f. Estimated range of accuracy, plus or minus 15 per cent.
- g. Estimated range of accuracy, plus or minus 2 per cent.

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SECURITY INFORMATION

PRODUCTION OF WIRE AND WIRE RODS

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania
1928		<u>250</u>									
1929		<u>289</u>									
1930		<u>311</u>									
1931		<u>296</u>									
1932		<u>289</u>									
1933		<u>312</u>									
1934		<u>354</u>									
1935											
1936											
1937											
1938 ^{a/}	1,112	640		472	0	0	318		35	100	18
1939											
1940											
1941		<u>214</u>									
1942											
1943											
1944											
1945				180	0	0	131		7	33	9
1946				337	0	0	227		20	80	10
1947	1,178	700		478	0	0	318 ^{b/}		38 ^{c/}	110	12
1948	1,428	898		530	0	0	352		45	118	16 ^{d/}
1949	1,721	1,136		584	0	0	366 ^{b/}	10	50	140 ^{d/}	18 ^{e/}
1950	1,976	1,326		650	0	0	381 ^{f/}	35	52	162 ^{g/}	20 ^{g/}
1951	2,221	1,530		691	0	0	400 ^{g/}	41	55	170	25
1952	2,440	1,710		730	0	0	420 ^{g/}	50	56 ^{g/}	175	28

- a. Data are for the pre-World War II period, not necessarily 1938.
- b. Estimated range of accuracy, plus or minus 1 per cent.
- c. Estimated range of accuracy, plus or minus 7 per cent.
- d. Estimated range of accuracy, plus or minus 12 per cent.
- e. Estimated range of accuracy, plus or minus 17 per cent.
- f. Estimated range of accuracy, plus or minus 3 per cent.
- g. Estimated range of accuracy, plus or minus 2 per cent.

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S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF STRUCTURAL SHAPES

	Thousand Metric Tons										
	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>1,201</u>									
1929		<u>1,336</u>									
1930		<u>1,570</u>									
1931		<u>1,380</u>									
1932		<u>1,258</u>									
1933		<u>1,302</u>									
1934		<u>1,695</u>									
1935											
1936											
1937											
1938 ^{a/}				274	0	0	116		39	100	20
1939											
1940											
1941											
1942											
1943											
1944											
1945				98	0	0	48		8	33	10
1946				196	0	0	82		22	80	11
1947	2,650	2,369		281	0	0	115		42 ^{b/}	110	14
1948	3,349	3,036		313	0	0	128		50	118	18 ^{c/}
1949	4,273	3,841		432	0	0	131 ^{d/}	85	56	140 ^{b/}	20 ^{e/}
1950	4,967	4,485		482	0	0	138 ^{d/}	95	59	162 ^{f/}	28
1951	5,717	5,175		542	0	0	146 ^{d/}	137	62	170	28
1952	6,192	5,775		417	0	0	150		64	175	28

a. Data are for the pre-World War II period, not necessarily 1938.
 b. Estimated range of accuracy, plus or minus 7 per cent.
 c. Estimated range of accuracy, plus or minus 14 per cent.
 d. Estimated range of accuracy, plus or minus 2 per cent.
 e. Estimated range of accuracy, plus or minus 17 per cent.
 f. Estimated range of accuracy, plus or minus 1 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF STRIP ^{a/}

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>64</u>									
1929		<u>110</u>									
1930		<u>115</u>									
1931		<u>107</u>									
1932		<u>158</u>									
1933		<u>138</u>									
1934		<u>237</u>									
1935											
1936											
1937											
1938 ^{b/}	361	241		120	0	0	49		17	50	4.0
1939											
1940											
1941		<u>754</u>									
1942											
1943											
1944											
1945				42	0	0	20		3.4	16	2.0
1946				87	0	0	35		10	40	2.2
1947	680	556		124	0	0	48 ^{c/}		18 ^{d/}	55	2.7
1948	850	713		137	0	0	54		22	59	3.5 ^{e/}
1949	1,100	902		198	0	0	56 ^{f/}	44	24	70 ^{d/}	4.0 ^{e/}
1950	1,297	1,053		244	0	0	58 ^{f/}	75	26	81 ^{e/}	4.3 ^{d/}
1951	1,434	1,215		220	0	0	61 ^{f/}	41	27	85	5.5
1952	1,540	1,355		185	0	0	64 ^{f/}		28	88	6

- a. Strip is defined as rolled steel not more than 0.175 inches thick and less than 24 inches wide.
- b. Data are for the pre-World War II period, not necessarily 1938.
- c. Estimated range of accuracy, plus or minus 1 per cent.
- d. Estimated range of accuracy, plus or minus 8 per cent.
- e. Estimated range of accuracy, plus or minus 15 per cent.
- f. Estimated range of accuracy, plus or minus 2 per cent.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF BARS

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		<u>118</u>									
1929		<u>168</u>									
1930		<u>266</u>									
1931		<u>458</u>									
1932		<u>742</u>									
1933		<u>1,006</u>									
1934		<u>1,459</u>									
1935											
1936											
1937											
1938 a/	2,675	1,937		738	0	0	366		84	240	48
1939											
1940											
1941		<u>2,444</u>									
1942											
1943											
1944											
1945				270	0	0	150		17	79	24
1946				527	0	0	261		48	192	26
1947	1,472	721		751	0	0	365 b/		90 c/	264	32
1948	1,760	924		836	0	0	404		108	282	42 d/
1949	2,183	1,169		1,014	0	0	420 e/	89	120	336 f/	48 g/
1950	2,561	1,365		1,196	0	0	438 e/	190	126	390 f/	52 g/
1951	2,690	1,575		1,115	0	0	460 f/	49	132	408	66
1952	2,878	1,760		1,119	0	0	486 e/		138	420	75

- a. Data are for the pre-World War II period, not necessarily 1938.
- b. Estimated range of accuracy, plus or minus 1 per cent.
- c. Estimated range of accuracy, plus or minus 7 per cent.
- d. Estimated range of accuracy, plus or minus 14 per cent.
- e. Estimated range of accuracy, plus or minus 3 per cent.
- f. Estimated range of accuracy, plus or minus 2 per cent.
- g. Estimated range of accuracy, plus or minus 8 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

NICKEL

	Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		Negligible* <u>c/</u>									
1929		Negligible* <u>a/</u>									
1930		Negligible* <u>a/</u>									
1931		Negligible* <u>a/</u>									
1932		Negligible* <u>a/</u>									
1933		Negligible* <u>a/</u>									
1934		863									
1935		1,040									
1936		2,200									
1937		2,700									
1938		3,000									
1939		10,000									
1940		11,000									
1941		16,000									
1942		11,000									
1943		11,160									
1944		13,000			0 <u>b/</u>	0 <u>b/</u>	0 <u>b/</u>	0 <u>b/</u>	0 <u>b/</u>	0 <u>b/</u>	0 <u>b/</u>
1945		13,400			0	0	0	0	0	0	0
1946		16,200	0		0	0	0	0	0	0	0
1947		21,000	0		0	0	0	0	0	0	0
1948		25,000	0		0	0	0	0	400	0	0
1949		25,000 <u>d/</u>	0		0	0	0	0	480	0	0
1950		27,500 <u>d/</u>			0	0	0	0	0	0	0
1951		29,000	Negligible		0	0	0	0	0	0	0
1952		31,000	0		0	0	0	0	0	0	0
Capacity, 1952		35,000 <u>a/</u>	Negligible		Negligible	0	0	0	0	0	0
Inventory, 1951		22,000	Negligible		Negligible	0	Negligible	Negligible	Negligible	Negligible	0
Stockpile (strategic)		32,500 <u>f/</u>									

s. 17/

b. World War II year, not necessarily 1944.

c. Consumption for 1949 was 10,000 metric tons.

d. Planned production was 34,000 metric tons.

e. Mid-1952.

f. 1952. Estimated range of accuracy, plus or minus 8 percent.

S-E-C-R-E-T

SECURITY INFORMATION

TUNGSTEN ^{a/}

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania
Production											
1928			5.0								
1929			5.0								
1930			3.5								
1931			3.4								
1932			1.1								
1933			2.9								
1934			3.2								
1935			7.5								
1936			5.0								
1937			7.2								
1938			7.3								
1939			6.1								
1940			4.8								
1941	7.7	1.2	6.4								
1942	6.8	0.6	6.2								
1943			4.6								
1944			1.7		0				0		
1945	2.4	1.0	1.4		0	0			0	0	0
1946	3.7	1.2	2.5		0	0			0	0	0
1947	4.3	1.2	3.1		0	0			0	0	0
1948	7.0	1.8	5.2		0	0			0	0	0
1949	7.7	2.1	5.7		0	0			0	0	0
1950	8.8	2.6	6.2		0	0		0	0	0	0
1951	10	2.6	7.6		0	0	Negligible	Negligible	0	0	0
1952	11	3.0	7.7		0	0	Negligible	Negligible	0	0	0
Capacity, 1952			8.5		0 b/	0	0	0	0	0	0
USSR Imports from Bloc			7.7 c/								
Availability, 1952		11									
Inventory											
1951		7.5 d/			0	0	Negligible	Negligible	Negligible		Negligible
1952		12.5 g/									

- a. Metal content of ore.
- b. 1951-1952.
- c. 1952.
- d. Estimated range of accuracy, plus or minus 33 per cent.
- e. Estimated range of accuracy, plus or minus 20 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

MOLYBDENUM

											Metric Tons
Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania	
Production											
1941		55									
1942		242									
1943		335									
1944		335									
1945		26	0	0	0	0	0	0	0	0	
1946		1125	0	0	0	0	0	0	0	0	
1947	2190 a/	2175	0	0	0	0	0	0	0	0	
1948	2600 a/	2550		0	0	0	0	0	0	3	
1949	2860 a/	2800		0	0	0	0	0	0	3	
1950	3170	3045	125	0	0	0	0	0	0		
1951	3525	3300	225	0	0	0	0	0	0		
1952	3875	3550	325	0	0	0	0	0	0		
USSR Imports from Bloc			325								
USSR Exports to Bloc										b/	

a. Includes North Korean production as follows: 1947 - 15 metric tons; 1948 - 47 metric tons; 1949 - 57 metric tons.
 b. The USSR exported 14 million meters of molybdenum wire to Rumania.

VANADIUM

											Metric Tons
Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania	
Production											
1944					0 a/			0 a/			
1945						0	0	0	0	0	
1946						0	0	0	0	0	
1947						0	0	0	0	0	
1948						0	0	0	0	0	
1949						0	0	0	0	0	
1950	1150	1000	150	0	0	0	0	0	0	0	
1951	1575	1425	150	0	0	0	0	0	0	0	
1952	1900	1700	200	0	0	0	0	0	0	0	
Capacity			200 b/	0 b/	0 a/	0 a/	0 a/	0 a/	0 a/	0 a/	
Inventory, 1951			Negligible	0	0	Negligible	Negligible	Negligible		Negligible	

a. World War II year, not necessarily 1944. b. 1951-1952. c. Mid-1952.

COBALT

											Metric Tons
Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania	
Production											
1944 a/		450	0	0	0	0	0	0	0	0	
1945			0	0	0	0	0	0	0	0	
1946			0	0	0	0	0	0	0	0	
1947		700	0	0	0	0	0	0	0	0	
1948		800	0	0	0	0	0	0	0	0	
1949		850	0	0	0	0	0	0	0	0	
1950		900	0	0	0	0	0	0	0	0	
1951		950	0	0	0	0	0	0	0	0	
1952		1000	0	0	0	0	0	0	0	0	
Capacity b/		1300	0	0	0	0	0	0	0	0	

a. World War II year, not necessarily 1944. b. Mid-1952.

S-E-C-R-E-T

SECURITY INFORMATION

XIV

NON-FERROUS METALS

(Pages 113-123)

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRIMARY COPPER

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	26	19	5.0* a/	1.1		0	1.0* a/		0		0.1* a/
1929	31	26	3.5* a/	1.8		0	1.7* a/		0		0.1* a/
1930	38	35	1.2* b/	1.7		0	1.5* b/		0		0.2* b/
1931	33	32	0.2* b/	1.2		0	1.2* b/		0		Negligible* b/
1932	32	31	0.4* b/	1.0		0	0.9* b/		0		0.1* b/
1933	34	33	0.5* b/	1.3		0	0.8* b/		0		0.5* b/
1934	45	44	0.5* b/	0.8		0	0.6* b/		0		0.2* b/
1935				1.8		0	0.9* b/		0		0.9* b/
1936				1.7		0	1.1* b/		0		0.6* b/
1937				2.6		0	2.0* b/		0		0.6* b/
1938	85	84	0.4	0.6		0			0		0.0
1939	134	130	1.9	1.2		0	1.2* c/		0		
1940	139	137	2.3			0			0		
1941	164	160	1.6	2.9		0	2.9* c/		0		
1942	161	160	1.1	0		0			0		0
1943	131	130	1.2	0		0			0		0
1944	172	170	1.0	1.2		0	1.2* c/		0		00
1945	161	160	0.0	0		0			0		0
1946	171	170	1.0	0		0			0		0
1947	191	185	0.9	5.1		0	0.1	5.0	0		0
1948	208	200	0.5	7.9	1.0* d/	0	0.1	6.4	0		0.4* d/
1949	236	225		12	1.5* d/	0	0.1	9.0	0		0.9* d/
1950	254	240	2.0	12	2.0* d/	0	0.1	9.1	0		0.6
1951	275	250	3.0	22	3.0	1.3 a/	0.1	11	0	6	0.6
1952	320	287	5.0	29	1.0	1.5 e/	Negligible	15	0.4 f/	10	0.8
Plan, 1955					2			21		25	2
Capacity, 1952			3 g/		4	3	2	55		3	3
Total Stocks, 1951			246 h/								

a. 17/
b. 21/
c. 16/
d. 7/

e. All production is sent to the USSR.

f. Mine production.

g. Smelter capacity.

h. Estimated stocks, end-1955 - 325,700 metric tons, stored as bars, ingots, and plates (cathodes).

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF SECONDARY COPPER

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		11									
1929		10									
1930		10									
1931		13									
1932		14									
1933		12									
1934		9									
1935		13									
1936		15									
1937		5									
1938		20									
1939		22									
1940		24									
1941											
1942											
1943											
1944											
1945		25									
1946		25									
1947		30					0.5				
1948	50	30		20			0.6	19			
1949	54	35		19			0.6	18			
1950	65	35	3.0	27			0.6	26			
1951	68	35	4.0	29			0.6	28 ^{a/}			
1952	66	35	4.0					27			

a. Planned production was 26,800 metric tons.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRIMARY ALUMINUM

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Rumania
Production											
1928											
1929											
1930											
1931											
1932		0.9									
1933		4.4									
1934		11									
1935	26	26							0.3* a/		
1936	31	30							0.8* a/		
1937	39	38							1.2* a/		
1938	45	44							1.5		
1939	54	49	3.3* a/						1.5		
1940	68	60	5.0* a/						3.2		
1941	79	66	8.0* a/						5.0		
1942	161	57	7.4* a/	97				91	6.0		
1943	80	62	8.6* a/						9.6		
	93	72	8.0* a/						13		
1945	90	86	1.5* a/						2.4		0.035* b/
1946	114	112							2.0		
1947	130	125							5.2		
1948	144	135							9.4		
1949	169	155							14		
1950	188	170 g/							18		
1951	228	200	1.5	27				5.0	22		
1952	247	220		27				5.0	22 d/		
Plan e/		f/					40	30*	42*	18*	5.5
Capacity		300 g/					5.5* h/	18 i/	40 j/	20 k/	
Inventory, 1951		250							7.5		
Stockpile, 1952		275 l/									

- a. 16/
- b. 7/
- c. Planned production of all aluminum was 240,000* metric tons. 12/
- d. The USSR has prior claim to all production. It reallocates 3,000 tons to Hungary.
- e. Czechoslovakia - 1954, proposed plant capacity for ingot aluminum; East Germany - 1955 1/ ; Hungary - 1954 1/ ; Poland - 1955 1/ ; Rumania - 1955, proposed plant capacity for ingot aluminum.
- f. Aluminum ingot production for 1955 is planned at more than 500,000 metric tons.
- g. This figure is the 1952 planned capacity including secondary aluminum refined at primary plants. Planned capacity for 1955, including secondary aluminum refined at primary plants is 540,000 metric tons.
- h. 1951. 15/
- i. Mid-1952.
- j. 1952.
- k. Proposed 1955 plant capacity for ingot aluminum.
- l. It is probable that the stockpile can be increased to 600,000 metric tons by 1955.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF SECONDARY ALUMINUM

Thousand Metric Tons

	<u>Eloc</u>	<u>USSR</u>	<u>China</u>	<u>European Satellites</u>	<u>Albania</u>	<u>Bulgaria</u>	<u>Czecho- slovakia</u>	<u>East Germany</u>	<u>Hungary</u>	<u>Poland</u>	<u>Rumania</u>
1928											
1929											
1930											
1931											
1932											
1933											
1934											
1935											
1936											
1937		9									
1938	23	13						10			
1939		15									
1940		18									
1941		20									
1942		17									
1943		31									
1944		58									
1945		49									
1946		61									
1947		66									
1948		62									
1949		46									
1950	53	52						1.2			
1951	63	60						3			
1952	80	72						7 1/2			

a. Expected to stabilize at 10,000 metric tons a year.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

LEAD REFINED

	Thousand Metric Tons										
	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia b/	East Germany	Hungary	Poland	Rumania
Production											
1928	44	2.6	0.8*	41	0	0	3.1			37	0.5
1929	49	6	2.1*	41	0	0	4.6		0.1	36	0.6
1930	60	11	3.1*	46	0	0	4.2		0.1	41	1.0
1931	56	16	2.8*	37	0	0	3.6		0.1	32	1.3
1932	38	18	2.7*	17	0	0	4.0			12	1.0
1933	38	14	3.8*	20	0	0	3.8			12	4.1
1934	48	27	1.7*	19	0	0	4.1			10	4.4
1935	73	45	0*	28	0	0	4.8			19	4.6
1936	77	51	1.6*	25	0	0	4.8			15	4.8
1937	86	55	2.0*	29	0	0	5.0		0.1	18	6.7
1938	102	69	2.0*	31	0	0	5.0*		0.1	20	5.7
1939	86	75	1.4	10	0	0	4.4*		0.1		5.1
1940	104	75	2.7	27	0	0	3.5*			23	0.1
1941	128	90	8.8	29	0	0	3.4*			25	0.3
1942	91	78	9.3	3.6	0	0	3.4*				0.2
1943	71	49	11.2	11	0	0	4.0*		6.4 g/		0.2
1944	59	43	7.7	8	0	0	4.4*		3.2 g/		0.3
1945	50	40	0.6	10	0	0	0.6		d/	6	3.4
1946	62	48	0	15	0	0	2.8		d/	9	3.2
1947	83	63	0.8	19	0	0	4.5		d/	11	3.3
1948	118	76	0.8	41	0	2.0	5.8	12	0.1	17	4.0
1949	132	90		42	0	2.0	7.0	10		18	4.0
1950	161	100 e/		61	0	10	7.6	19 f/		20	4.0
1951	170	100	6.0	64	0	12	8.7	18	0.2	20	5.0
1952	197	117	9.0	71	0	13	8.7	18	Negligible	25	6.0
Plan g/		170	13.0			13	9.0	25		18*	
Capacity			12.0 h/			13* i/	4.0 j/	21 j/		55 j/	8 j/
USSR Imports from Bloc							1 k/				
Consumption							12 k/				
Total Stocks, end-1951		86 l/									

- a. Includes Manchuria. 1928-1938. 3/ 16/
 b. Figures for 1938-1944. 3/ 16/
 c. During this period, Hungary held Transylvania (ordinarily part of Rumania) which accounts for the increase in production.
 d. Less than 100 metric tons.
 e. Planned production was 104,000 metric tons.
 f. Planned production for 1950 was 14,000* metric tons. 7/
 g. USSR - annually, current five year plan; Bulgaria - 1953; Czechoslovakia - 1953. Approximately 3,500 metric tons is expected to come from ore; East Germany - 1955. It is estimated that 12,000 metric tons of refined lead will be produced from scrap each year (1951-1955), the balance, 13,000 metric tons, to be extracted from ore; Poland - 1955. 7/
 h. 1951.
 i. 1951, primary smelter capacity. 45/
 j. 1952.
 k. Time indefinite, related to plan.
 l. Stored as pigs. It is estimated that total stocks at the end of 1955 will be approximately 145,500 metric tons.

S-E-C-R-E-T

SECURITY INFORMATION

ZINC REFINED

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	172	2.2		170	0	0	8		0	162	
1929	183	3.0		180	0	0	11		0	169	
1930	192	4.3		188	0	0	14		0	174	
1931	148	9		139	0	0	8		0	131	
1932	105	14	0.1	91	0	0	6		0	85	
1933	106	11.6	0.1	89	0	0	6.6		0	83	
1934	131	27	0.1	104	0	0	8		0	93	3.6
1935	144	46		98	0	0	10		0	85	4
1936	168	63		104	0	0	8		0	93	4
1937	199	78		121	0	0	7		0	107	6
1938	199	78		121	0	0	9		0	108	4
1939	208	86		122	0	0			0	118	3.7
1940	216	86		130	0	0	10.3		0	120	
1941	90	80		10	0	0	10		0		
1942	64	55		9	0	0	9		0		
1943	50	40		10	0	0	10		0		
1944	53	45		8	0	0	8		0		
1945	90	50		40	0	0	3.3		0	36	
1946	111	54		57	0	0			0	57	
1947	133	59		74	0	0	2		0	72	
1948	171	81		90	0	0			0	87	3 * a/
1949	198	103		95	0	0			0	92	3 * a/
1950	208	100 b/		108	0	4			0	101	3
1951	231	105		126	0	5			0	118	3
1952	267	130	5	132		5			0	123	4
Plan c/		250	7							198	7
Capacity			2 d/				31 f/			180 g/	
Imports											
Stocks, end-1951		169 g/									

a. Planned production of primary zinc was 150,000* tons. 7/
 b. USSR - 1955; China - 1953; Poland - 1955; Rumania - 1955.
 c. Annual zinc refining capacity.
 d. 1952.
 e. 1949.
 f. Stored as bars, ingots, slabs, plates and sheets. Estimated stocks end-1955 - 208,600 metric tons.
 g.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

MAGNESIUM

	Thousand Metric Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1938		1.0							0		
1939											
1940											
1941											
1942		14 <u>a/</u>									
1943											
1944											
1945		5.0* <u>b/</u>									
1946											
1947											
1948											
1949											
1950	8.0	6.6 <u>c/</u>	0.66* <u>d/</u>						0		
1951	13	12						0.7	0		
1952	36	35					0	1.2	0		
Capacity		28* <u>e/</u>						<u>f/</u>	0 <u>g/</u>	0.2 <u>h/</u>	
Consumption									1.5 <u>h/</u>		

- a. Estimated range of accuracy, plus 7 per cent or minus 11 per cent. 46/
 b. 46/
 c. Planned production was 13,500* metric tons. 46/
 d. 47/
 e. 1950, planned plant capacity. 46/
 f. Planned capacity for 1955 is 5,000 ingot tons.
 g. Hungary has no magnesium industry at the present time. Plans have been formulated for establishing the industry with an initial capacity of 5,000 ingot tons in 1954, which will be increased to 10,000 tons.
 h. 1952.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF MERCURY

	Flasks (76 lbs.)										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928			2,006								
1929	6,387	3,771	719				1,897				
1930	6,513	3,278	1,175				2,060				
1931	7,293	4,418	653				2,222				
1932	6,878	5,558	15				1,305				
1933	8,208	6,700	1,314				194				
1934	10,218	7,750	1,705				763				
1935	12,438	8,700	1,734				2,004				
1936	12,664	8,700	2,088				1,876				
1937	16,368	8,700	4,918				2,750				
1938	14,312	8,700	2,712		0	0	2,900	0	0	0	
1939			3,611				2,669				
1940			4,293				2,582				
1941			3,133								
1942	12,215	6,500	3,510				2,205				
1943			1,828				1,973				
1944			1,189				1,248				
1945			290				435				
1946			290				841				
1947							768				
1948											
1949							800 <u>a/</u>				
1950	28,850	27,500 <u>b/</u>	500 <u>c/</u>		0	0	850 <u>a/</u>	0	0	0	
1951	28,500	27,500 <u>b/</u>					1,000				
1952	33,700	32,500 <u>d/</u>					1,200				

- a. Estimated range of accuracy, plus or minus 6 per cent.
- b. Estimated range of accuracy, plus or minus 9 per cent.
- c. Estimated range of accuracy, plus or minus 20 per cent.
- d. Estimated range of accuracy, plus or minus 8 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

TIN

Thousand Metric Tons

	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		0									
1929		0	6.9								
1930		0	6.9								
1931		0	3.5								
1932		0	2.0								
1933		0	9.6								
1934		0	6.5								
1935		0	9.2								
1936		0	11.3								
1937		0	13.1								
1938	16	1.0	15.0		0	0	0		0	0	0
1939	14		14.2								
1940	12	1.7	10.7								
1941	14	2.1	11.4								
1942	10	2.4	7.9								
1943	11	2.8	7.2					0.9			
1944	6	3.2	3.0								
1945	5.3	3.8	1.5								
1946	7	4.5	2.5								
1947	10	5.3	4.4								
1948	11	6.3	4.9					0.05* <u>a/</u>			
1949	12	7.3	4.3					0.1* <u>a/</u>			
1950	13	8.3	5.0	0.1	0	0	0	0.1	0	0 <u>b/</u>	0
1951	16	9.2 <u>a/</u>	6.2 <u>d/</u>	0.1	0	0	0	0.1 <u>e/</u>	0	0	0
1952	17	10.0	7.2 <u>f/</u>	0.1	0	0	0	0.1 <u>e/</u>	0	0	0
Plan <u>g/</u>			7.1*					0.2			
Capacity			10 <u>h/</u>								
USSR Imports from Eloc			6.8 <u>i/</u>								
USSR Exports to Eloc			0 <u>j/</u>								
Imports From Non-Eloc Sources, 1951		7.5 <u>k/</u>									
Availability, 1952 <u>l/</u>		24 <u>m/</u>	0.5 <u>n</u>								

- a. Consumption for 1950 was 1,219* metric tons. h/
b. Estimated range of accuracy, plus or minus 3 per cent.
c. Estimated range of accuracy, plus or minus 4 per cent.
d. Estimated range of accuracy, plus or minus 4 per cent.
e. Planned production of refined tin: 1951 and 1952, 140 metric tons each year.
f. Estimated range of accuracy, plus or minus 3 per cent.
g. China - 1951 h/; East Germany - 1955.
h. Mid-1952.
i. 1952. Range of accuracy, plus or minus 4 per cent.
j. 1952.
k. Estimated range of accuracy, plus or minus 7 per cent.
l. Domestic production plus imports minus exports.
m. Estimated range of accuracy, plus 4 and minus 8 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF CADMIUM

	Metric Tons										
	bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928											
1929											
1930											
1931											
1932											
1933											
1934											
1935											
1936											
1937											
1938					0	0	0		0	180	0
1939											
1940											
1941											
1942											
1943											
1944											
1945										50 a/	
1946											
1947											
1948											
1949										168 a/	
1950	480	300 b/			0	0	0		0	183 a/	0
1951	540	340			0	0	0		0	200	0
1952					0	0	0		0	210	0

a. ¹⁷ Planned production was 300,000 metric tons.

S-E-C-R-E-T

SECURITY INFORMATION

ANTIMONY

Thousand Metric Tons

	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia b/	East Germany	Hungary	Poland	Rumania
Production											
1928							0.6				
1929		23									
1930		18					0.3				
1931		10					0.5				
1932		13	0.2				0.5				
1933		15					1.1				
1934		16					0.9				
1935		20					1.9				
1936		17					0.8				
1937		16					1.0				
1938		8.6		7.8			0.8				
1939		14		12			1.8				
1940		13		8.5			4.2				
1941		16		8.0		7.6	4.6		3.0		
1942		8.8		3.5			5.3				
1943		2.8		0.5			2.3				
1944		3.2		0.2		3.0	1.9		1.1		
1945		1.1		0			1.1				
1946		2.6		0.4			2.2				
1947		3.3		1.9			1.4				
1948		4.9		3.3			1.6	0			
1949		7.8		6.0			1.8				
1950		11	2.8 g/	6.0		0* d/	2.0	Negligible			
1951		13	2.8 g/	8.0 g/	0	0	2.3	0	0	0	
1952		18	5.0 f/	10 g/	0	0	2.5	0	0	0	
USSR Imports from Bloc, 1952				9.5 h/							
USSR Exports to Bloc, 1952				0							
Availability, 1952 i/			14.5 j/	0.5							

- a. The figures for 1929-1938 are data for exports.
- b. The figures for 1939-1942 include the output of Czechoslovakian territory transferred to Hungary during the war years which is sometimes reported as Hungarian production.
- c. Estimated range of accuracy, plus or minus 9 per cent.
- d. 12/
- e. Estimated range of accuracy, plus or minus 12 per cent.
- f. Minimum requirements are estimated at 7,000 metric tons. With secondary recovery, it is believed requirements may be met.
- g. Estimated range of accuracy, plus or minus 10 per cent.
- h. Estimated range of accuracy, plus or minus 11 per cent.
- i. Domestic production plus imports, minus exports.
- j. Estimated range of accuracy, plus or minus 7 per cent.

PRODUCTION OF PLATINUM IN THE USSR a/

	Thousand Troy Ounces											
1928			1933	150		1938	120		1943	115	1948	125
1929			1934	71		1939	130		1944	118	1949	120
1930	79		1935	171		1940	110		1945	120	1950	100
1931	72		1936	171		1941	120		1946	130	1951	95
1932	94		1937	100		1942	115		1947	130	1952	120 b/

- a. The USSR is the only producer of platinum in the Bloc.
- b. Estimated range of accuracy, plus or minus 25 per cent.

S E C R E T

SECURITY INFORMATION

Machinery (Except
Electrical)

XV

MACHINERY (EXCEPT ELECTRICAL)

(Pages 125-133)

S E C R E T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF TURBINES a/

	Thousand Kilowatts										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		48									
1929											
1930											
1931											
1932		298									
1933		687									
1934		438									
1935		724									
1936		800									
1937		923									
1938		1,200									
1939		470									
1940		877									
1941		Negligible									
1942		Negligible									
1943		150				Negligible					
1944		200									
1945	431	291	Negligible		Negligible	Negligible	140	Negligible	Negligible	Negligible	Negligible
1946	775	404	11	360	Negligible	Negligible	185	125	50	Negligible	Negligible
1947	1,965	1,410	11	544	Negligible	Negligible	390	154	50	Negligible	Negligible
1948	1,960	1,218	25	717	Negligible	Negligible	490	157	70	Negligible	Negligible
1949	2,937	2,095	25	817	Negligible	Negligible	570	167	75	Negligible	5
1950	3,586	2,600	30	956	Negligible	Negligible	705	171	75	Negligible	5
1951	4,507	3,200	40	1,267	Negligible	Negligible	990	192	75	Negligible	10
1952	5,135	3,600	50	1,485	Negligible	Negligible	1,000	340	80	50	15

a. Steam and hydroelectric.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

TRACTORS

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		1.3									
1929		3.3									
1930		9.1									
1931		38									
1932		51									
1933		78									
1934		94									
1935		114									
1936		116									
1937		51					0.2* a/				
1938		49			0	0					
1939		32									
1940		30									
1941		11									
1942		0.2									
1943		1.0									
1944		2.6						0 b/			
1945		7.6							0.05		
1946	14	13		1.1			0.9		0.2		
1947	34	27		6.7			5.6		0.4	0.3	0.4
1948	68	56		12.0			9.1		0.9	1.2	0.8
1949	104	86		17.7			10.0	0.8	2.6	2.3	2.0
1950	129	106 c/		23.3	0	0	10.0	3.7	3.6	3.2	2.8
1951	143	116	0	27.2	0	0	10.0	6.0	4.0	3.8	3.4 d/
1952	157	121		35.6	0	0	15.0	7.3 e/	4.3 f/	5.0 g/	4.0
Plan h/		126			0	0	20.0	12.0	4.6	11.0	6.0
Capacity, 1952					0	0	20.0	16.0	5.0	5.0	4.0
Inventory, 1951	616	512		104	0.4	6.3	32.2	16.0	11.2	27.7	10.0

a. World War II year, not necessarily 1944.
 b. Planned production was 112,000 tractors.
 c. Planned production was 3,294* tractors. 50/
 d. Planned production was 6,850* tractors. 7/
 e. Planned production was 5,400* tractors. 7/
 f. Planned production.
 g. Planned production.
 h. USSR - 1955; Albania - 1955; Bulgaria - 1953; Czechoslovakia - 1953; East Germany - 1955; Hungary - 1954; Poland - 1955; Rumania - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF AGRICULTURAL MACHINERY IN THE USSR

	Thousand Units				
	Tractor Moldboard Plows	Combines	Tractor Seed- Drills	Tractor Cultivators	Agricultural Machinery Excluding Tractors
1928	<u>0.5</u>	0	<u>0.6</u>	0	2,075
1929	<u>3.6</u>	0	<u>28</u>	0	3,065
1930	<u>20</u>	<u>0.1</u>	<u>18</u>	0	4,018
1931	<u>73</u>	<u>3.5</u>	<u>51</u>	<u>16</u>	1,400
1932	<u>49</u>	<u>10</u>	<u>19</u>	<u>15</u>	557
1933	<u>54</u>	<u>8.6</u>	<u>12</u>	<u>16</u>	537
1934	<u>72</u>	<u>8.2</u>	<u>12</u>	<u>8.5</u>	611
1935	<u>80</u>	<u>20</u>	<u>18</u>	14	707
1936	80	43	56	50	843
1937	115	44	52	45	920
1938	68	<u>23</u>	25	41	750
1939	54	9.2	23	36	575
1940	39	13	22	32	445
1941	18	6.5	11	16	200
1942	0	0	0	0	Negligible
1943	0	0	0	0	Negligible
1944	0	0	0	0	Negligible
1945	7	0.3	1.7	0.90	66
1946	12	1.4	7	15	200
1947	24	2.8	20	32	552
1948	53	14	42	42	1,025
1949	83	29	65	60	1,670
1950	121 a/	46 b/	120 c/	100 d/	1,786
1951	140	53	138	117	2,053
1952	140	41 e/	138	117 f/	

- a. Planned production was 110,000 units.
 b. Planned production was 60,000 units.
 c. Planned production was 83,300 units.
 d. Planned production was 82,300 units.
 e. Polish and Rumanian planned production for 1955 is 750* and 400* units, respectively. 2/
 f. East German planned production for 1955 is 12,000* units. 2/

PRODUCTION OF EXCAVATORS IN THE USSR

Year	Units	Year	Units	Year	Units	Year	Units	Year	Units
1928	0	1933	116	1938	530	1943	0	1948	2,600
1929	0	1934	276	1939	503	1944	0	1949	3,900
1930	0	1935	452	1940	400	1945	0	1950	5,000
1931	2	1936	593	1941	433	1946	250	1951	5,250
1932	85	1937	522	1942	0	1947	916	1952	5,600

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF COAL CUTTERS

	Units										
	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		0	0		0	0		0			0
1929		52	0		0	0		0			0
1930		124	0		0	0		0			0
1931		291	0		0	0		0			0
1932		298	0		0	0		0			0
1933		372	0		0	0		0			0
1934		488	0		0	0		0			0
1935		524	0		0	0		0			0
1936		421	0		0	0		0			0
1937			0		0	0		0			0
1938		1,110	0		0	0		0			0
1939			0		0	0		0			0
1940		1,050	0		0	0		0			0
1941					0	0		0			0
1942					0	0		0			0
1943					0	0		0			0
1944					0	0		0			0
1945		650	0		0	0		0			0
1946		845	0		0	0		0			0
1947		1,400	0		0	0		0			0
1948		1,325	0		0	0		0			0
1949		1,405	0		0	0		0			0
1950		1,125	0		0	0		0			0
1951	1,140	1,100	5	35	0	0	10	0	15	10	0
1952		1,250 <u>±</u>									

a. Estimated range of accuracy, plus or minus 8 per cent.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF COAL COMBINES

	Units										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928			0		0	0	0	0	0	0	0
1929			0		0	0	0	0	0	0	0
1930			0		0	0	0	0	0	0	0
1931			0		0	0	0	0	0	0	0
1932			0		0	0	0	0	0	0	0
1933		<u>2</u>	0		0	0	0	0	0	0	0
1934		<u>2</u>	0		0	0	0	0	0	0	0
1935		<u>10</u>	0		0	0	0	0	0	0	0
1936			0		0	0	0	0	0	0	0
1937			0		0	0	0	0	0	0	0
1938			0		0	0	0	0	0	0	0
1939			0		0	0	0	0	0	0	0
1940			0		0	0	0	0	0	0	0
1941			0		0	0	0	0	0	0	0
1942			0		0	0	0	0	0	0	0
1943			0		0	0	0	0	0	0	0
1944			0		0	0	0	0	0	0	0
1945		4	0		0	0	0	0	0	0	0
1946		20	0		0	0	0	0	0	0	0
1947		85	0		0	0	0	0	0	0	0
1948		213	0		0	0	0	0	0	0	0
1949		216	0		0	0	0	0	0	0	0
1950	360	310	0		0	0	0	0	50	0	0
1951	450	340	0	110	0	0	5	0	100	5	0
1952	555	400 <u>a/</u>		155					100	55	

a. Estimated range of accuracy, plus or minus 12 per cent.

PRODUCTION OF COAL LOADERS

	Units										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1946			0		0	0		0		0	0
1947		91	0		0	0		0		0	0
1948		476	0		0	0		0		0	0
1949		525	0		0	0		0		0	0
1950	515	505	0		0	0		0	10	0	0
1951	775	750	0	25	0	0	5	0	20	0	0
1952	875	850 <u>a/</u>		25		5				20	

a. Estimated range of accuracy, plus or minus 6 per cent.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF MINING LOCOMOTIVES ^{a/}

	Units										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		Negligible									
1929		Negligible									
1930		Negligible									
1931		Negligible									
1932		87									
1933		245									
1934		161									
1935		220									
1936		169									
1937											
1938		300									
1939		250									
1940		250									
1941											
1942											
1943											
1944											
1945		600									
1946		700									
1947		900									
1948		901									
1949		1,190									
1950		1,700						200			
1951		1,700						100			
1952		1,800					250	160			

a. Electric locomotives for underground use.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF METALWORKING MACHINERY IN THE USSR

Year	Units	Year	Units	Year	Units	Year	Units	Year	Units
1928	80	1933	640	1938	2,139	1943	1,200	1948	3,770
1929	105	1934	1,443	1939	2,384	1944	1,300	1949	4,300
1930	131	1935	1,407	1940	2,044	1945	1,900	1950	4,958
1931	211	1936	1,659	1941	2,030	1946	2,570	1951	5,540
1932	248	1937	1,902	1942	1,015	1947	3,173	1952	6,150

MACHINE TOOLS

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Rumania
Production											
1928		<u>1.8</u>									
1929		<u>3.8</u>									
1930		<u>7.1</u>									
1931		<u>17</u>									
1932		<u>18</u>									
1933		<u>18</u>									
1934		<u>21</u>									
1935		<u>24</u>									
1936		<u>32</u>									
1937	46	<u>36</u>		9.8			5.5			4.3	
1938	65	<u>54</u>	<u>0.33</u>	11			6.0			4.5	
1939	63	55	<u>0.64</u>	6.9			6.5		0.38		
1940	56	47 <u>a/</u>	<u>1.0</u>	7.4			7.0		0.38	0	
1941	44	35	<u>1.2</u>	7.5			7.5			0	
1942	11	10	<u>1.1</u>							0	
1943	16	14	<u>1.8</u>							0	
1944	22	21	<u>1.4</u>							0	
1945	24	22 <u>a/</u>	<u>0.78</u>							0.35	
1946	39	30 <u>a/</u>	<u>1.1</u>	7.8			<u>6.2</u>			<u>1.6</u>	
1947	58	46 <u>a/</u>		13			9.7		0.28	2.6	
1948	80	57 <u>a/</u>		24			11 <u>b/</u>	7.7	0.55	4.4	
1949	97	68 <u>a/</u>	0.50	29			14	9.2	0.95	4.7	
1950	118	76 <u>c/</u>	4.4	38			15	16.0	1.3	5.0	0.30* <u>d/</u>
1951	135	78 <u>a/</u>	4.4	53			22	20.0	2.0	8.6	0.20
1952	145	80	5.0	60			24	24.0	2.2	9.2	
Plan <u>e/</u>			7								1.5*
Capacity							22 <u>f/</u>	20 <u>f/</u>	22 <u>g/</u>	8.6 <u>f/</u>	0.30 <u>g/</u>
Inventory, 1951	1,872	1,064	50	758	3.0	10	190	395	40	95	25

a. Estimated range of accuracy, plus or minus 4 per cent.
 b. Planned production for 1948 was 12,500* units. g/
 c. Estimated range of accuracy, plus or minus 4 per cent. Planned production for 1950 was 74,000 units.
 d. g/
 e. China - 1953; Rumania - 1955. g/
 f. 1951.
 g. Mid-1952.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF TEXTILE MACHINERY IN THE USSR a/

	Spinning Machines (Thousand Spindles)	Looms (Thousand Units)
1928	Negligible	Negligible
1929	Negligible	Negligible
1930	Negligible	Negligible
1931	Negligible	Negligible
1932	0	<u>0.3</u>
1933	58	<u>1.2</u>
1934	140	2.1
1935	170	3.5
1936	182	4.4
1937	233	4.1
1938	337	4.4
1939	442	4.7
1940	546	5.0
1941	325	1.6
1942	Negligible	Negligible
1943	Negligible	Negligible
1944	Negligible	Negligible
1945	Negligible	Negligible
1946	120	1.1
1947	334	6
1948	645	11
1949	<u>877</u>	20
1950	900 <u>b/</u>	25 <u>c/</u>
1951	910	27
1952	920	30

a. Albania, Bulgaria, and Rumania produce no spinning machines or looms.
 b. Planned production was 1,400,000* spindles. 1/
 c. Planned production was 25,000 looms. 1/

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

BALL AND ROLLER BEARINGS

	Millions											
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	a/ Hungary	Poland	Romania	
Production												
1928		Negligible			0	0			0	0	0	
1929		Negligible										
1930		Negligible										
1931		1										
1932		3										
1933		7										
1934		14										
1935		19										
1936		23										
1937		25										
1938		26			0	0			0	0	0	
1939		28										
1940		36										
1941		20										
1942		16										
1943		36										
1944		40										
1945		41										
1946		26		Negligible			Negligible	Negligible				
1947		36		Negligible			Negligible	Negligible				
1948	50	47	0	3			1	2				
1949	65	60	0	5			2	3	0	0.007		
1950	93	83	0	9.6			4.6	4.6	0	0.2	0.2	
1951	114	101	0	14	0	0	6.2	6.5	0	0.5	0.3	
1952	132	115	0	17			8.3	7.6	0	0.8	0.4	
Capacity, 1952					0	0	7	10	0	0.3	0.2	
Requirements, 1951 b/		112				0.4	15	10	5	5.0	0.8	
Imports, 1951		1.6 g/					0.1 d/	5.0 d/	0.4 g/	1.1 d/	2.8 d/	0.3 d/
Exports, 1951		2.0 f/					0	0	1.0 g/	0	0	0
Inventory, 1951			0		0	0	0	0	0	0	0	

- a. Peak World War II production by East German plants amounted to approximately 14 million bearings per year. Postwar dismantling practically eliminated the ability of the Eastern Zone to produce bearings. Reconstruction of bearing-producing facilities began in 1946.
- b. Estimated range of accuracy, plus or minus 20 per cent.
- c. Imports from the West and East Germany.
- d. Imports from the West and the USSR.
- e. Imports from the West.
- f. Shipments made to the Satellites.
- g. Shipments made to the USSR.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

Electrical Equipment

XVI

ELECTRICAL EQUIPMENT

(Pages 135-141)

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S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF MOTORS ^{a/}

Million Kilowatts

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1946	5.0	3.2		1.8	0.032	0.064	0.37	0.74	0.37	0.14	0.064
1947	7.5	4.9		2.7	0.048	0.097	0.56	1.1	0.56	0.20	0.097
1948	12	7.7		4.2	0.077	0.15	0.89	1.8	0.88	0.32	0.15
1949	16	10		5.7	0.10	0.21	1.2	2.4	1.2	0.43	0.21
1950	19	12		6.9	0.12	0.25	1.4	2.9	1.4	0.52	0.25
1951	22	14		7.7	0.14	0.28	1.6	3.2	1.6	0.58	0.28
1952	24	16		8.6	0.16	0.31	1.8	3.6	1.8	0.66	0.31

a. All sizes.

PRODUCTION OF GENERATORS ^{a/}

Million Kilowatts

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1945	0.9	0.70		0.28	0.004	0.007	0.12	0.074	0.037	0.021	0.014
1946	1.2	0.88		0.35	0.004	0.009	0.15	0.092	0.046	0.026	0.018
1947	1.8	1.3		0.52	0.007	0.013	0.23	0.14	0.070	0.039	0.026
1948	2.9	2.1		0.83	0.010	0.021	0.34	0.22	0.11	0.063	0.041
1949	3.9	2.8		1.1	0.014	0.028	0.49	0.29	0.15	0.084	0.056
1950	4.7	3.4		1.3	0.017	0.034	0.59	0.35	0.18	0.10	0.067
1951	5.3	3.8		1.5	0.019	0.038	0.66	0.40	0.20	0.11	0.075
1952	5.9	4.2		1.7	0.021	0.042	0.74	0.45	0.23	0.13	0.085

a. All sizes.

PRODUCTION OF POWER AND DISTRIBUTION TRANSFORMERS ^{a/}

Million kilovolt-Ampere

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1945	1.7	1.0		0.66	0.012	0.025	0.22	0.30	0.062	0.020	0.020
1946	2.1	1.2		0.82	0.015	0.031	0.27	0.37	0.077	0.025	0.025
1947	3.1	1.9		1.2	0.023	0.047	0.41	0.56	0.12	0.036	0.036
1948	4.9	3.0		2.0	0.036	0.074	0.65	0.89	0.18	0.059	0.059
1949	6.6	4.0		2.6	0.048	0.10	0.87	1.2	0.25	0.079	0.079
1950	7.9	4.8		3.1	0.057	0.12	1.0	1.4	0.30	0.095	0.095
1951	8.9	5.4		3.5	0.064	0.13	1.2	1.6	0.33	0.11	0.11
1952	10	6.0		4.0	0.072	0.15	1.3	1.8	0.37	0.12	0.12

a. All sizes.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF WIRE AND CABLE ^{a/}

Thousand Metric Tons

	Bloc	USSR	China	European Satellites	Albania b/ Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928				13	0.13	6.6	5.0			1.3
1929				14	0.17	7.3	5.5			1.3
1930				14	0.19	7.3	5.5			1.3
1931				14	0.20	7.0	5.2			1.3
1932				13	0.24	6.4	4.8			1.3
1933				13	0.25	6.4	4.8			1.3
1934				14	0.27	6.9	5.1			1.4
1935				15	0.28	7.4	5.6			1.4
1936				16	0.33	8.3	6.2			1.5
1937				19	0.40	9.9	7.4			1.5
1938				19	0.46	9.8	7.3			1.6
1939				21	0.52	11	8.2			1.6
1940				23	0.58	12	8.8			1.6
1941				30	0.60	13	10	2.4	2.0	2.6
1942				32	0.63	14	10	2.7	2.0	2.6
1943				36	0.67	16	12	2.8	2.0	2.8
1944	82	50		31	0.61	16	8.0	2.7	2.0	2.0
1945	88	55		33	0.80	16	10	3.0	2.0	2.0
1946	72	42		30	Negligible	8.4	13	4.0	2.7	1.8
1947	85	50		35		10	15	4.8	3.2	2.2
1948	89	52		37		10	16	5.0	3.4	2.3
1949	94	55		39		11	17	5.3	3.5	2.4
1950	99	58		41		12	18	5.6	3.7	2.5
1951	106	62		44	Negligible	12	19	6.0	4.0	2.7
1952	121	70		51		14	21	6.8	6.1	3.1

a. Equivalent copper content, i.e., the weight of copper required if no aluminum conductor is used.
 b. The production of wire and cable in Albania is negligible.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ELECTRIC LAMPS

	Million 1950 Rubles										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928											
1929		8.5									
1930		15									
1931		17									
1932		20									
1933		20									
1934		34									
1935		36									
1936		50									
1937		26									
1938		23									
1939		29									
1940		34									
1941											
1942											
1943											
1944											
1945											
1946	62	47	Negligible		Negligible	Negligible			15		
1947	85	64	Negligible	21	Negligible	Negligible	5.9		15		
1948	103	75	Negligible	28	Negligible	Negligible	9.3	3.4	15		
1949	162	83	Negligible	79	Negligible	Negligible	11	5.9	15	47	
1950	203	92	Negligible	111	Negligible	Negligible	12	17	26	56	
1951	233	95	Negligible	138	Negligible	Negligible	13	33	34	58	

PRODUCTION OF RADIO AND TELEVISION RECEIVERS

	Million 1950 Rubles										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1946	99	60	Negligible	39		Negligible	20	15	1.7	Negligible	1.7
1947	160	87	Negligible	73		Negligible	42	26	3.4	Negligible	2.5
1948	227	115	Negligible	113		Negligible	68	38	4.2	Negligible	2.5
1949	267	129	Negligible	138		Negligible	70	56	8.5	Negligible	2.5
1950	243	100	Negligible	143		Negligible	51	70	16	1	4.2
1951	318	105	Negligible	213		20	38	131	18	1	5.1

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ELECTRON TUBES

Million 1950 Rubles											
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1940		64									
1941		68									
1942		34									
1943		34									
1944		42									
1945		46									
1946	84	68							16		
1947	138	110		28			11		16		
1948	196	162		34			18		16		
1949	251	203	Negligible	48		Negligible	20	12	16	Negligible	Negligible
1950	352	286	Negligible	66		Negligible	22	20	24	Negligible	Negligible
1951	709	569	Negligible	140		Negligible	30	42	69	Negligible	Negligible
1952	964	718	Negligible	246		Negligible	65	87	94	Negligible	Negligible

PRODUCTION OF PROFESSIONAL ELECTRONIC EQUIPMENT ^{a/}

Million 1950 Rubles											
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1940		335									
1941		352									
1942		176									
1943		176									
1944		220									
1945	333	237	Negligible	96	Negligible						
1946	590	422	Negligible	168	Negligible	Negligible	82	66	12	Negligible	8
1947	988	706	Negligible	282	Negligible	Negligible	161	97	15	Negligible	9
1948	1,590	1,135	Negligible	455	Negligible	Negligible	269	151	24	0.9	10
1949	2,134	1,530	Negligible	604	Negligible	Negligible	293	236	54	0.2	21
1950	2,840	2,032	Negligible	808	Negligible	Negligible	268	366	134	4.0	36
1951	3,600	2,570	Negligible	1,030	Negligible	112	222	480	164	6.0	46

a. Includes radar, radio communication equipment, aircraft electronic equipment, industrial and military electronics, broadcasting and navigation.

PRODUCTION OF ELECTRONIC COMPONENTS

Million 1950 Rubles											
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1942		25									
1943		25									
1944		27									
1945		28									
1946		28									
1947	64	57							6.3		
1948	132	76		56			48		7.6		
1949	193	104		89		Negligible	58	21	10	Negligible	
1950	366	260		107		Negligible	66	30	11	Negligible	
1951	464	333		131		Negligible	73	44	14	Negligible	

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ELECTRICAL AND ELECTRONIC TEST EQUIPMENT ^{a/}

Million 1950 Rubles

	<u>Bloc b/</u>	<u>USSR</u>	<u>China</u>	<u>European Satellites c/</u>	<u>Albania d/</u>	<u>Bulgaria d/</u>	<u>Czecho-slovakia</u>	<u>East Germany</u>	<u>Hungary</u>	<u>Poland d/</u>	<u>Rumania d/</u>
1940		20									
1941		21									
1942		11									
1943		11									
1944		13									
1945	16	11	Negligible	4.5							
1946	27	19	Negligible	7.6	Negligible	Negligible	3.5	2.8	0.5	Negligible	Negligible
1947	49	35	Negligible	14	Negligible	Negligible	7.4	4.5	0.7	Negligible	Negligible
1948	80	57	Negligible	23	Negligible	Negligible	12	7.0	1.1	Negligible	Negligible
1949	107	77	Negligible	30	Negligible	Negligible	14	11	2.6	Negligible	Negligible
1950	143	102	Negligible	41	Negligible	Negligible	13	18	6.3	Negligible	Negligible
1951	179	128	Negligible	51	Negligible	Negligible	12	25	8.8	Negligible	Negligible

a. Includes tube testers, oscilloscopes, signal generators, and frequency meters.

b. Bloc production is 1.4 times USSR production.

c. Totals shown for the European Satellites represent the difference between the USSR and total Bloc production, see footnote d.

d. Albania, Bulgaria, Poland, and Rumania account for approximately 10 per cent of total European Satellite production.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF STORAGE BATTERIES

	Thousand Metric Tons										
	Bloc	USSR	Gdna a/	European Satellites	Albania b/	Bulgaria c/	Czecho-slovakia	East Germany	Hungary c/	Poland	Rumania d/
1928		0.20									Negligible
1929		0.38									Negligible
1930		0.70									Negligible
1931		1.3									Negligible
1932		2.3									
1933		3.6									
1934		5.0									
1935		7.0								0.44	
1936		9.0								0.44	
1937		11								0.44	
1938		12									
1939		12									
1940		12									
1941		17									
1942		15									
1943		7.5									
1944		9.0									
1945		11									
1946	15	13		2.3	0.06	1.4	0.40	0.35	0.080	0.040	
1947	21	16		4.1	0.13	2.0	1.0	0.60	0.21	0.10	
1948	24	18		5.5	0.18	2.5	1.3	0.90	0.44	0.16	
1949	27	20		6.5	0.22	2.8	1.7	1.0	0.60	0.20	
1950	35	26		8.5	0.28	3.4	2.4	1.3	0.80	0.28	
1951	42	32		10	0.32	4.2	2.9	1.6	0.95	0.32	

- a. Production, 1928-1948, was negligible.
- b. Albanian production is negligible.
- c. Production, 1928-1940, was negligible.
- d. Production, 1928-1945, was negligible.

S-E-C-R-E-T

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF PRIMARY BATTERIES

	Thousand Metric Tons										
	Bloc	USSR	China a/	European Satellites	Albania b/	Bulgaria c/	Czecho- slovakia	East Germany	Hungary	Poland	Rumania c/
1928		0.28									
1929		0.46									
1930		0.80									
1931		1.0									
1932		1.0									
1933		1.1									
1934		1.2									
1935		1.2									
1936		1.3									
1937		1.4									
1938		1.5									
1939		1.4									
1940		1.3									
1941		0.95									
1942											
1943											
1944											
1945		0.92									
1946	1.3	1.0		0.25		0.008	0.10	0.08	0.050	0.010	0.006
1947	1.6	1.3		0.35		0.011	0.13	0.12	0.064	0.013	0.008
1948	2.0	1.6		0.42		0.018	0.16	0.13	0.081	0.020	0.014
1949	2.6	2.0		0.67		0.042	0.22	0.24	0.099	0.060	0.019
1950	3.3	2.4		0.83		0.053	0.27	0.29	0.12	0.073	0.029
1951	4.0	3.0		1.0		0.070	0.33	0.36	0.15	0.090	0.040

a. Production, 1928-1943, is negligible.
 b. Albanian production is negligible.
 c. Production, 1928-1945, is negligible.

S-E-C-R-E-T

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SECURITY INFORMATION

XVII

TRANSPORTATION EQUIPMENT

(Pages 143-156)

Transportation
Equipment

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SECURITY INFORMATION

TRUCKS

	Thousands										
	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	4.0	0.82		3.2			3.0		0.18 <u>a/</u>		
1929	4.7	1.7					3.0				
1930	7.5	3.5					4.0				
1931	8.0	4.0					4.0				
1932	27	24		3.2			2.9		0.12	0.10	
1933	41	39		1.5			1.3		0.14		
1934	55	53		1.7			0.89		0.20	0.60	
1935	79	78		1.2			0.78		0.11	0.30	
1936	136	133		2.6			0.98		0.46	1.2	
1937	184	181		2.8			1.6		0.50	0.70	
1938	187	184		3.0	0	0	1.6		0.55	0.82	
1939		169									
1940		158									
1941		91									
1942		41									
1943		52									
1944	82	79	0 <u>b/</u>	2.9			2.1		0.80 <u>b/</u>		0 <u>b/</u>
1945	87	86					0.65				
1946	121	118					2.9				
1947	151	146		5.3			5.2		0.10		
1948	216	209		7.4			7.0		0.38	0.020	
1949	279	272		7.5			7.2			0.24	
1950	363	353 <u>c/</u>	0	9.8	0	0	6.0	1.2	1.6	0.96	
1951	411	390	0	21	0	0	9.1	4.8	4.4	2.5	0
1952	439	410	0	29	0	0	10	7.3 <u>d/</u>	5.5	6.5	0
Plan <u>e/</u>		486*							9*	25	
Capacity, 1952					0	0.04	20	4	3	3	0
Inventory, 1951	1,745	1,475	45	225	1.2	5.5	66	90	11	41	10

a. 1927.

b. World War II figure, not necessarily 1944.

c. Planned production was 428,000 trucks.

d. Planned production was 7,300* trucks. 51/e. USSR - 1955, plan for all motor vehicles 43/; Hungary - 1954. 52/; Poland - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

PASSENGER CARS

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	10		0	10	0	0	10		0.3 <u>g/</u>	0	0
1929	12	0.1	0	12	0	0	12		0	0	0
1930	13	0.2	0	13	0	0	13		0	0	0
1931	12	0	0	12	0	0	12		0	0	0
1932	11	0.03	0	11	0	0	11		0	0.08	0
1933	19	10	0	8.7	0	0	8.7		0	0	0
1934	26	17	0	9.3	0	0	9.1		0.02	0.2	0
1935	29	19	0	9.7	0	0	9.2		0	0.5	0
1936	16	3.7	0	12	0	0	11		0	1.2	0
1937	32	18	0	14	0	0	12		0.1	1.5	0
1938	41	27	0	14	0	0	11		0.2	2.3	0
1939	26	26	0	0	0	0			0	0	0
1940	5	1.0	0	4.2	0	0	4.2		0	0	0
1941	0.2	0.2	0	0	0	0			0	0	0
1942	0	0	0	0	0	0			0	0	0
1943	0	0	0	0	0	0			0	0	0
1944	0.2	0	0	0.2	0	0	0.2		0	0	0
1945	1.2	1.1	0	0.1	0	0	0.1		0	0	0
1946	5.2	1.4	0	3.8	0	0	3.8		0	0	0
1947	13	4.0	0	9.4	0	0	9.4		0	0	0
1948	25	8.4	0	16	0	0	16		0	0	0
1949	40	20	0	20	0	0	20		0	0	0
1950	58	29 <u>b/</u>	0	29	0	0	24	5.0	0	0	0
1951	70	36	0	34	0	0	24	10	0	0.01 <u>e/</u>	0
1952	81	39		42	0	0	24	16 <u>d/</u>	0	1.5	0
Plan <u>e/</u>							24*			12*	
Capacity, 1952					0	0	25	14	0	0	0
Inventory, 1951	307	134		174	Negligible	Negligible	89	40	10	25	10

a. 1927.

b. Planned production was 65,600 passenger cars.

c. Assembly of sedans imported from the USSR.

d. Planned production was 16,400* passenger cars. 51/e. Czechoslovakia - 1953 9/; Poland - 1955. 52/

S-E-C-R-E-T

SECURITY INFORMATION

STEAM LOCOMOTIVES

	Units										
	Bloc	USSR	China a/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
roduction											
1928		540									
1929		605									
1930		660									
1931		810								130* b/	
1932		827								106* b/	
1933		930								72* b/	
1934		1,165								32* b/	
1935		1,518								21* b/	
1936		1,100								11* b/	
1937	1,311	1,205		106			74* b/			32* b/	
1938		1,144								28* b/	
1939		1,000									
1940		917									
1941		739									
1942		0									
1943		0									
1944		0									
1945	135	12		123	0	0	50 c/	0	0	73	0
1946	738	330		408	0	0	150 c/	0	20	178	60
1947	1,508	900		688	0	0	234 c/	0	130	254	70
1948	2,180	1,360		820	0	0	290 c/	0	155	265	110
1949	2,579	1,700		879	0	0	320 c/	0	175	267	117
1950	2,987	2,040 d/		947	0	0	360 c/	0	185	280	122
1951	3,184	2,170		1,014	0	0	400 c/	0	200	290	124
1952	3,336	2,250		1,087	0	0	440 c/	62	210	300	130
Plan e/							480*			315*	

- a. Chinese production is believed to be negligible.
- b. 16/
- c. Includes all locomotives.
- d. Planned production was 2,200 units.
- e. Czechoslovakia - 1953 12/; Poland - 1955. 12/

S-E-C-R-E-T

SECURITY INFORMATION

INVENTORY OF STEAM LOCOMOTIVES

	Units										
	Bloc	USSR	China	European Satellites	Albania a/	Bulgaria a/	Czecho- slovakia	East Germany	Hungary a/	Poland a/	Rumania
1928		16,500									
1929		17,000									
1930		17,750									
1931		18,300									
1932		19,500									
1933		20,100									
1934		21,000									
1935		22,200									
1936		22,800									
1937	27,162	23,500					3,962				
1938	34,741	24,400		10,341	0				1,841	5,080	3,420
1939		25,100									
1940	26,240	25,700				540					
1941		26,200									
1942											
1943											
1944											
1945		25,300									
1946	35,189	25,600		9,589					1,144	5,450 b/	2,995
1947	40,829	26,200		14,629			4,114		1,680	5,848	2,987
1948	42,629	27,200		15,429	7	800	4,249		1,440	5,860	3,073
1949	38,960	28,500		10,460			4,190		1,470	4,800	
1950	44,793	30,500		14,293	7 c/	720	4,180		1,616	4,870	2,900
1951	42,806	32,000		10,806			4,171		1,685	4,950	
1952	48,115	33,500		14,615			4,161	5,214 d/		5,240 e/	

- a. Includes all locomotives.
- b. Estimated range of accuracy, plus or minus 5 per cent.
- c. Only four are in serviceable condition.
- d. This figure includes all usable standard-gauge locomotives, including 371 column locomotives assigned to Russian use. Not included are 210 narrow-gauge locomotives.
- e. Planned inventory for 1955.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF ELECTRIC LOCOMOTIVES

	Units										
	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		0									
1929		0									
1930		0									
1931		0									
1932		1									
1933		17									
1934		19									
1935		34									
1936		44									
1937		39									
1938		30									
1939		25									
1940		20									
1941		10									
1942		0									
1943		0									
1944		0									
1945		0	0	0	0	0	0	0	0	0	0
1946		2	0	0	0	0	0	0	0	0	0
1947		25	0	0	0	0	0	0	0	0	0
1948		60	0	0	0	0	0	0	0	0	0
1949	150	110	0	40	0	0	0	40	0	0	0
1950	220	170 ^{a/}	0	50	0	0	0	50	0	0	0
1951	307	225	0	82	0	0	0	80	2	0	0
1952	345	280		65	0	0	0	61	4	0	0

a. Planned production was 220 units.

INVENTORY OF ELECTRIC LOCOMOTIVES IN THE USSR

	Units								
1928		1933	26	1938	192	1943	1948	427	
1929		1934	45	1939	217	1944	1949	537	
1930		1935	79	1940	237	1945	246	1950	707
1931		1936	123	1941	247	1946	342	1951	922
1932	9	1937	162	1942		1947	367	1952	1,380

S-E-C-R-E-T

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SECURITY INFORMATION.

PRODUCTION AND INVENTORY OF DIESEL LOCOMOTIVES IN THE USSR

Year	Production a/	Inventory	(Units)
1928	0		
1929	0		
1930	0		
1931	0		
1932	1	1	
1933	1	2	
1934	8	10	
1935	4	14	
1936	1	15	
1937	1	16	
1938	1	17	
1939	0	17	
1940	0	17	
1941	0	17	
1942	0		
1943	0		
1944	0		
1945	0	17	
1946	1	214	
1947	40	254	
1948	75	329	
1949	140	469	
1950	185 b/	651	
1951	205	859	
1952	230	1,088	

a. No production of diesel locomotives has been observed in the Satellites.
 b. Planned production was 300 units.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION OF FREIGHT CARS

	Thousands										
	Bloc	USSR a/	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland c/	Rumania
Production											
1928		7.9									
1929		11									
1930		14									
1931		16									
1932		16									
1933		14									
1934		21									
1935		70									
1936		41									
1937	32	30					1.6			0.30* d/	
1938		24									
1939		19									
1940		26									
1941		31									
1942											
1943											
1944											
1945		1.1			0	0					0.06
1946	32	17		16	0	0	11			5.2	
1947	54	30		24	0	0	15			8.5	
1948	64	42		21	0	0	11			10	
1949	89	56		33	0	0	13	3.5	4.8	9.8	2.0
1950	100	66		34	0	0	15	5.0 a/		11 f/	3.0
1951	106	70		36	0	0	16 g/	5.8 h/		10 f/	3.6
1952	98	73		25	0	0		7.7 h/	6.5	11 f/	
Plan i/						1.3*		13*	10*	18*	5.2

a. See next table for equivalent 2-axle units.

b. Chinese production of freight cars is believed negligible.

c. The figure for 1946 assumes that all production was of 2-axle units. To convert the physical units shown in the table for the years 1947-1952 to equivalent 2-axle units, subtract 5,500. Multiply the remainder by 2, and add the result to 5,500. This is the reverse of the process used in deriving the physical units shown from a table of 2-axle equivalent units. It is based on the fact that yearly additions to inventory indicate 5,500 2-axle cars per year are produced for Polish use. Additional production is of 4-axle cars for the USSR.

d. 12/

e. Estimated range of accuracy, plus or minus 5 per cent. In addition, 3,310-3,557 narrow-gauge cars were produced in 1950.

f. Planned production.

g. Estimated range of accuracy, plus or minus 9 per cent.

h. Estimated range of accuracy, plus or minus 7 per cent. In addition, narrow-gauge cars were produced as follows: 1951 - 1,290-1,610; 1952 - 735-935.

i. Bulgaria - 1953 12/; East Germany - 1955 12/; Hungary - 1954 12/; Poland - 1955 12/; Rumania - 1955.

S-E-C-R-E-T

SECURITY INFORMATION

PRODUCTION AND INVENTORY OF FREIGHT CARS IN THE USSR

Thousands

Year	Production				Inventory			
	4-Axle Cars	2-Axle Cars	Total Cars	Total Cars Equivalent 2-Axle Units	4-Axle Cars	2-Axle Cars	Total Cars	Total Cars Equivalent 2-Axle Units
1928	2.7	5.1	7.9	11	25	425	450	475
1929	3.9	7.3	11	15	27	438	465	492
1930	5.5	8.3	14	19	29	450	479	508
1931	4.7	12	16	21	31	463	494	525
1932	4.9	11	16	21	33	474	507	540
1933	5.1	9.2	14	19	41	479	520	561
1934	8.2	12	21	29	64	482	546	610
1935	16	54	70	86	86	484	570	656
1936	27	14	41	67	110	486	596	706
1937	29	0.80	30	59	134	486	620	754
1938	24	0.65	24	48	148	485	633	781
1939	18	0.60	19	38	161	484	645	806
1940	24	1.5	26	50	178	482	660	838
1941	25	5.6	31	56	200	480	680	880
1942								
1943								
1944								
1945	0.72	0.40	1.1	1.8	176	445	621	797
1946	11	5.2	17	28	188	433	621	809
1947	24	6.2	30	54	210	429	639	849
1948	36	7.0	42	78	240	429	669	909
1949	48	8.0	56	103	280	435	715	995
1950	57	9.0	66	121 a/	325	445	770	1,095
1951	61	9.0	70	131	370	450	820	1,190
1952	64	9.0	73	137	415	450	865	1,280

a. Planned production was 116,000.

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SECURITY INFORMATION

INVENTORY OF FREIGHT CARS

	Thousands										
	Bloc	USSR a/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia b/	East Germany	Hungary	Poland	Rumania
Inventory											
1928		450									
1929		465									
1930		479									
1931		494									
1932		507									
1933		520									
1934		546									
1935		570									
1936		596									
1937	715	620					95				
1938	900	633		267	0	11			47	146	63
1939		645									
1940		660									
1941		680									
1942											
1943											
1944											
1945		621									
1946	824	621		203					16	110	77 c/
1947	962	639		323			93		33	165	42
1948	1,019	659		350	0,065	15	86		35	170	44
1949	1,038	715		323			83		38	160	42
1950	1,122	770		352	0,065	14	84		42	166	46
1951	1,265	820		445			85	99	43	171	47
1952	1,222	865		357			86		47	176	48
Plan d/									55	193	51

- a. For equivalent 2-axle units, see the previous table.
- b. Includes approximately 1.3 per cent service cars.
- c. Includes foreign-owned cars.
- d. Hungary - 1954; Poland and Rumania - 1955.

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SECURITY INFORMATION

PRODUCTION OF RAILWAY PASSENGER CARS

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		0.34									
1929		0.41									
1930		0.83									
1931		1.3									
1932		1.2									
1933		1.3									
1934		1.6									
1935		1.0									
1936		0.72									
1937		0.91									
1938		1.0			0 a/	0 a/					
1939		1.2									
1940		0.91									
1941		0.30									
1942		0									
1943		0									
1944		0									
1945		0									
1946	0.12	0.11								0.005	
1947	0.61	0.50								0.11	
1948	1.7	1.1		0.54	0	0	0.31			0.23	b/
1949	2.0	1.8		0.28						0.20	0.080
1950	3.6	2.5 c/		1.1	0	0		0.78 d/		0.30 e/	b/
1951	4.3	2.7		1.6	0	0		1.2 d/		0.10 e/	b/
1952	4.7	2.8		1.9				0.90	0.56 f/	0.10 e/	

- a. Prewar, not necessarily 1938.
 b. Diesel rail cars were produced as follows: 1948 - 4; 1950 - 12; 1951 - 24.
 c. Planned production was 2,600 cars.
 d. Estimated range of accuracy: 1950, plus or minus 13 per cent; 1951, plus or minus 8 per cent; 1952, plus or minus 20 per cent. In addition, hospital cars and work cars were produced as follows:

	Hospital Cars	Work Cars
1950	0	135-145
1951	40	235-255
1952	660-700	336-394

- e. Planned production. Planned production for 1953 and 1955 is 400 and 630* 5/2 passenger cars, respectively.
 f. Estimated range of accuracy, plus or minus 9 per cent.

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SECURITY INFORMATION

INVENTORY OF RAILWAY PASSENGER CARS

	Thousands										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928		26									
1929		26									
1930		27									
1931		27									
1932		28									
1933		29									
1934		30									
1935		31									
1936		32									
1937	43	32					11				
1938	52	33		19	0	1.4			4.0	10	3.5
1939		34									
1940		34									
1941		34									
1942											
1943											
1944											
1945		32									
1946	45	32		12					1.9	7.3	3.1
1947	54	33		21			7.8		2.5	8.2	2.9
1948	49	34		15	0.015	1.1	8.1		2.3		3.7
1949	54	35		19			8.3		2.4	8.0	
1950	61	37		23	0.063	0.66	8.5		2.4	8.2	3.5
1951	51	40		12			8.7		3.1		
1952	71	42		29			8.9	12 a/		8.8 b/	

a. This figure includes 2,157 baggage cars, 110 mail cars and 1,497 railway service cars.
 b. Planned production for 1955 is 95,000 cars.

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SECURITY INFORMATION

PRODUCTION OF MARINE DIESEL ENGINES

	Thousand Horsepower									
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland
1928		12								
1929		12								
1930		27								
1931		73								
1932		31								
1933		44								
1934		76						0.4		
1935		82								
1936		110						0.4		
1937		126								
1938		153								
1939		182						0.9		
1940		204								
1941		260								
1942										
1943										
1944										
1945										
1946								1.6		
1947										
1948										
1949										
1950			50	62			55	6.8		
1951			50	21.4		116	94	5.3		

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SECURITY INFORMATION

MERCHANT SHIPS a/

	Thousand Gross Registered Tons										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Production											
1928	371	282	50	39			8.4	14		16	
1929	389	317	52	20				9.3		11	
1930	421	345	55	20				9.3		11	
1931	432	372	52	8.4				3.9		4.5	
1932	461	403	51	6.5				3.0		3.5	
1933	479	426	50	3.4				1.6		1.8	
1934	503	445	51	7.1				2.7	1.2	3.2	
1935	514	442	53	19				8.5	0.6	10	
1936	512	420	52	40			8.4	14	0.6	16.4	
1937	482	393	53	35				16		19	
1938	432	365	28	39				18		21.0	
1939	378	332	5.5	40				18	1.0	21.0	
1940	351	300	9.1	42				20		22.0	
1941	294	275	3.6	15				13		2.1	
1942	173	145	18	10				6.5		3.5	
1943	227	152	52	24				10.	7.8	5.2	
1944	392	268	105	19				14		5.1	
1945	448	307	103	38				6.0		3.5	28
1946	459	326	96	37		4.7				0	32
1947	478	337	99	42		4.7		1.3		0	36
1948	508	347	101	60	0.4	4.7	8.0	4.0		3.5	39
1949	554	356	100	98	0.3	4.7	8.4	28	20	6.6	30
1950	596	362	102	132	0.4		11	48	27	11	35
1951	667	370	102	195	1.8 <u>b/</u>	7.5	12	76	32	35	30
1952		380					12	96			
Inventory <u>b/</u>	2,531	1,981	237	313	0	10	6.4	0	2	262	32

a. Vessels of 1,000 gross registered tons or over.
 b. River craft of all types and sizes.
 c. As of 1 February 1953.

S-E-C-R-E-T

SECURITY INFORMATION

PIPELINE CONSTRUCTION ^{a/}

Year	Total	USSR Pipelines		Kilometers Satellites Including China ^{d/}
		Oil ^{b/}	Gas ^{c/}	
1928	0	0	0	0
1929	0	0	0	0
1930	883	883	0	0
1931	35	35	0	0
1932	618	618	0	0
1933	0	0	0	0
1934	0	0	0	0
1935	1,177	1,177	0	0
1936	875	875	0	0
1937	21	21	0	0
1938	220	220	0	0
1939	0	0	0	0
1940	387	222	165	0
1941	45	45	0	0
1942	1,355	1,335	20	0
1943	2,914	2,754	160	0
1944	1,549	1,549	0	0
1945	1,622	1,480	144	98 ^{e/}
1946	843	0	843	0
1947	1,406	1,152	158	96 ^{f/}
1948	1,257	475	782	0
1949	85	35	50	0
1950	470	0	220	250 ^{g/}
1951	2,672	2,397	130	145 ^{f/}

- a. Entire pipelines are recorded for the year in which completed.
b. Yearly totals include feeder lines as well as connecting and trunk lines.
c. Pipelines for natural gas and gas from shale oil only.
d. Pipeline construction in all Satellites is zero or negligible except as indicated. Data are not available for Poland and Rumania except as indicated, see footnotes e, f, and g.
e. Rumanian oil pipeline construction.
f. Polish gas pipeline construction.
g. Rumanian gas pipeline construction.

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SECURITY INFORMATION

XVIII

TRANSPORTATION

(Pages 157-160)

Transportation

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SECURITY INFORMATION

RAILWAY FREIGHT TRAFFIC

Billion Ton-Kilometers

Year	USSR a/	China b/	European Satellites	Albania	Bulgaria c/	Czecho-slovakia d/	East Germany e/	Hungary f/	Poland g/	Rumania h/
1928	93*					12*		3.4*	20*	2.3*
1929	113*					12*		3.3*	21*	3.5*
1930	134*					10*		2.9*	18*	3.6*
1931	152*	4.5*			0.66*	9*		2.5*	18*	3.4*
1932	169*	4.5*			0.63*	7*		2.1*	14*	3.5*
1933	169*	4.8*			0.64*	6.5*		2.5*	14*	3.8*
1934	206*	5.7*			0.46*	7*		2.1*	16*	4.2*
1935	258*	6.5*			0.64*	8*		2.7*	16*	4.4*
1936	324*	6.5*			0.66*	9*		3.0*	16*	4.6*
1937	355*	2.3*			0.75*	11*		2.1*	20*	4.9*
1938	370*	1.2*						3.1*	20*	5.0*
1939	370	0.6*						7.5*		4.9*
1940	425	0.5*						5.1*		4.6*
1941	425	0.5*						7.0*		5.5*
1942		0.46*								5.2*
1943		0.55*								4.9*
1944		0.23*								3.7*
1945	308	0.37*						0.53*		
1946	338	3.8			1.5*	9*	8*	1.7*	19	3.9*
1947	354	5.3			1.7	12	9	2.3*	21	3.9
1948	450	4.5			2.0	14	10	2.9	28	4.6
1949	525	5.0*			2.2	13	14	3.5	30	6.1
1950	602 ^{1/}	32			2.7	14	17	4.3	36	7.0
1951	612	43 ^{1/}			3.2	15	19	4.5	42	7.8
1952	k/				3.5	16	20	5.0	48	8.6

a. 1928 ^{24/}; 1929-1936 ^{17/}; 1937 ^{25/}; 1938. ^{26/}
 b. Includes Manchuria; 1931-1945, 1949. ^{16/}
 c. 1931-1937, 1946. ^{16/}
 d. 1928-1937, 1946. ^{3/}
 e. 1946. ^{3/}
 f. 1928-1941, 1945-1947. ^{2/}
 g. 1928-1938. ^{3/}
 h. 1928-1944, 1946. ^{3/}
 i. Planned: 532 billion ton-kilometers.
 j. Planned production.
 k. Planned production for 1955: 830 billion ton-kilometers.

S-E-C-R-E-T

SECURITY INFORMATION

ROAD TRANSPORT (FREIGHT) IN THE USSR

								Billion Ton-Kilometers			
1928	0.1		1933	1.4		1938	8.8		1943	1948	13
1929	0.2		1934	3.0		1939	8.8		1944	1949	17
1930	0.61		1935	5.5		1940	9.0		1945	1950	21
1931	0.84		1936	8.4		1941	9.4		1946	1951	25
1932	1.1		1937	8.0		1942			1947	1952	28

OCEAN TRANSPORT ^{a/}

												Billion Ton-Kilometers	
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania		
1928													
1929													
1930													
1931													
1932			16										
1933			20										
1934			24										
1935			28										
1936			34										
1937			41										
1938			36										
1939			34		0	Negligible	0			Negligible			
1940			25										
1941			23										
1942													
1943													
1944													
1945			29										
1946			29										
1947		37	33	4.1	0	0.1	0	0	Negligible	3.5	0.5		
1948		39	34	5.0	0	0.2	0	0	Negligible	4.2	0.6		
1949		41	36	5.4	0	0.3	0	0	Negligible	4.5	0.6		
1950		44	38	5.6	0	Negligible	0	Negligible	Negligible	4.8	0.8		
1951		47	41	6.4	0	Negligible	0	Negligible	Negligible	5.5	0.9		
1952		52	44	7.8	0	Negligible	Negligible	Negligible	Negligible	6.8	1.0		

a. All commodities.

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SECURITY INFORMATION

INLAND WATERWAY TRANSPORT ^{a/}

Billion Ton-Kilometers

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
1928											
1929											
1930											
1931		27									
1932		25									
1933		26									
1934		29									
1935		34									
1936		31									
1937		33									
1938		32			Negligible						
1939		35									
1940		36									
1941											
1942		29									
1943		29									
1944											
1945		16									
1946		20									
1947		25									
1948		31									
1949		38									
1950	50	45		4.6	Negligible	0.8	0.8	1.2	0.6	0.8	0.4
1951	57	51		5.6	Negligible	1.0	1.0	1.3	0.7	1.0	0.6
1952	64	57		6.4	Negligible	1.1	1.2	1.3 ^{b/}	0.8	1.2	0.8

- a. All commodities.
- b. Planned transport.

INLAND WATERWAY TRANSPORT OF
SELECTED COMMODITIES IN THE USSR ^{a/}

Billion Ton-Kilometers

Year	Timber	Oil	Construction Materials	Grain
1932	9	11	1.2	1.0
1935	13	10		
1940	14	12	1.5	2.7
1945	7	6		
1950	18	12	2.0	2.5

- a. Caspian Sea traffic is not included.

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SECURITY INFORMATION

PIPELINE TRANSPORT

Year	Total	USSR		Rumania c/
		Oil a/	Gas b/	
1927/28			0	
1928/29		1.0	0	
1929/30		2.4	0	
1931			0	
1932		1.8	0	
1933		2.4	0	
1934			0	
1935		2.1	0	
1936		3.5	0	
1937		4.7	0	
1938	4.3	4.1	0	0.2
1939			0	0.1
1940	0.11		0.01	0.1
1941	0.12		0.02	0.1
1942	0.12		0.02	0.1
1943	0.22		0.02	0.2
1944	0.14		0.04	0.1
1945	4.35	8.1	0.05	0.2
1946	8.63	8.3	0.13	0.2
1947	10.56	10.0	0.36	0.2
1948	11.30	10.6	0.49	0.21 d/
1949	12	11.0	0.75	0.21 d/
1950	13.27	12.1	0.91	0.26 d/
1951	1.04		0.96	0.08 d/

- a. Includes transport of crude oil and oil products.
 b. Natural gas and gas from oil shale.
 c. 1938-1951 Rumanian oil transport except as indicated. All other Satellites, including China, had no pipeline transport.
 d. Includes Rumanian gas transport as follows: 1948 - 0.01; 1949 - 0.01; 1950 - 0.06; 1951 - 0.08.

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SECURITY INFORMATION

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COMMUNICATIONS AND COMMUNICATIONS
EQUIPMENT

(Pages 161-172)

Communications and
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SECURITY INFORMATION

PRODUCTION OF TELEPHONE AND TELEGRAPH EQUIPMENT ^{a/}

Million 1950 Rubles

	Eloc	USSR	China	European Satellites ^{b/}	Albania ^{c/}	Bulgaria ^{c/}	Czecho- slovakia ^{d/}	East Germany ^{d/}	Hungary ^{d/}	Poland ^{c/}	Rumania ^{c/}
1928	314										
1929	345										
1930	284										
1931	173										
1932	215										
1933	312										
1934	547										
1935	595										
1936	635										
1937	714										
1938	684										
1939	530										
1940	530										
1941	530										
1942											
1943											
1944											
1945											
1946	449	321	Negligible	128	Negligible	Negligible	26	32	58	Negligible	Negligible
1947	452	322	Negligible	130	Negligible	Negligible	26	32	58	Negligible	Negligible
1948	453	323	Negligible	130	Negligible	Negligible	26	32	58	Negligible	Negligible
1949	455	325	Negligible	130	Negligible	Negligible	26	32	58	Negligible	Negligible
1950	456	326	Negligible	130	Negligible	Negligible	26	32	58	Negligible	Negligible
1951	459	328	Negligible	131	Negligible	Negligible	27	33	59	Negligible	Negligible

a. Includes telephone central station equipment such as carrier terminals, carrier repeaters, telegraph and teletype equipment, but excludes wire and cable.

b. Satellite production is believed to be equal to approximately 40 per cent of USSR production.

c. Negligible production by Albania, Bulgaria, Poland, and Rumania accounts for 10 per cent of Satellite production.

d. Estimated after allowing 10 per cent of Satellite production for Albania, Bulgaria, Poland, and Rumania.

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SECURITY INFORMATION

TELEPHONE WIRE FACILITIES ^{a/}

	Thousand Kilometers										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	Germany b/ Hungary	Poland	Rumania	
1928		<u>1,928</u> c/	218		<u>0.61</u>	<u>75</u>	<u>595</u>	<u>18,180</u>	<u>494</u>	<u>938</u>	<u>287</u>
1929			229		<u>0.61</u>	<u>79</u>	<u>634</u>	<u>20,638</u>	<u>574</u>	<u>985</u>	<u>273</u>
1930			239		<u>0.08</u> d/	85	751	21,819	589	1,034	297
1931			250		<u>0.08</u> d/	91	802	23,001	603	1,084	320
1932			262		<u>0.08</u> d/	97	866	24,183	618	1,133	354
1933			243		<u>0.08</u> d/	103	904	24,800	632	1,182	374
1934			700 e/		<u>0.08</u> d/	109	934	25,403	647	934	397
1935			368		<u>0.08</u> d/	115	1,024	25,893	661	1,371	421
1936			420		<u>0.08</u> d/	121	1,043	26,247	676	1,453	437
1937			176		<u>0.08</u> d/	127		27,585	697	1,563	622
1938			88		<u>0.08</u> d/	<u>134</u>				1,710	
1939			105		<u>0.08</u> d/	150					
1940			109			166					
1941			122			183					
1942			146								
1943			77								
1944			75								
1945			625								
1946			796					186	1,600		
1947			916							2,657	
1948											
1949											
1950											
1951											
1952											

- a. Data indicated as official probably represent only facilities available for public use.
b. Data are for all of Germany. No East-West breakdown is available. Data for 1928-1929 apparently include telegraph line and wire; data for 1932-1937 include wire and cable used for telegraph and long distance telephones reported to be 667,000 kilometers in 1930.
c. 1927. Data for 1928 are unavailable. It is probable that data represent only facilities administered by the Ministry of Communication.
d. Interurban and international facilities only.
e. Excluding the 9-province long-distance system and South China.

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SECURITY INFORMATION

TELEPHONE LINE FACILITIES ^{a/}

	Thousand Kilometers										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	Germany b/ Hungary	Poland	Rumania	
1928		<u>14</u> c/	19		<u>0.10</u>	<u>12</u>	<u>35</u>	<u>394</u>	<u>21</u>	<u>74</u>	<u>38</u>
1929		<u>13</u> c/	17		<u>0.10</u>	<u>13</u>	<u>30</u>	<u>393</u>	<u>23</u>	<u>80</u>	<u>42</u>
1930			15		<u>0.04</u> d/				24		
1931			14		<u>0.04</u> d/				24		
1932			12		<u>0.04</u> d/				25		
1933			18		<u>0.04</u> d/				25		
1934			25		<u>0.04</u> d/				26		
1935			41		<u>0.04</u> d/				26		
1936			50		<u>0.04</u> d/				27		
1937					<u>0.04</u> d/				27		
1938					<u>0.04</u> d/	21					
1939			178		<u>0.04</u> d/	22					
1940						22					
1941											
1942											
1943											
1944											
1945			66						21		
1946											
1947			327								
1948			346								
1949			365								
1950			384								
1951			396								
1952			435.2								

- a. Line is used to indicate total distance spanned by one or more wires. Data indicated as official probably represent only facilities available for public use.
- b. Data are for all of Germany. No East-West breakdown is available; apparently includes telegraph line and wire.
- c. Urban facilities only. Last year for which interurban and international facilities are known is 1927 when the figure was 89. It is probable these data represent only facilities administered by the Ministry of Communications.
- d. Interurban and international facilities only.

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SECURITY INFORMATION

ESTIMATED NUMBER OF BASIC SYSTEM CENTRAL TELEPHONE OFFICES ^{a/}

	Thousands										
	Bloc	USSR b/	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	Germany c/	Hungary	Poland	Rumania
1928		<u>2.6</u>	0.05 d/		<u>0.03</u>	<u>0.28</u>	<u>1.5</u>	<u>7.1</u>	<u>1.3</u>	<u>2.5</u>	<u>3.8</u>
1929		<u>2.9</u>	0.05		<u>0.03</u>	<u>0.30</u>	<u>2.3</u>	7.0	<u>1.1</u>	<u>2.8</u>	1.4
1930		<u>3.5</u>	0.05		<u>0.03</u>	<u>0.30</u>	<u>2.4</u>	<u>6.9</u>	<u>1.4</u>	<u>3.0</u>	<u>1.1</u>
1931		<u>4.8</u>	0.05		<u>0.03</u>	<u>0.30</u>	<u>2.5</u>	<u>7.0</u>	<u>1.4</u>	<u>2.9</u>	1.4
1932		<u>4.9</u>	0.05		<u>0.04</u>	<u>0.32</u>	<u>2.7</u>	6.9	<u>1.4</u>	<u>3.0</u>	1.3
1933		<u>7.2</u>	<u>0.05</u>		<u>0.04</u>	<u>0.33</u>	<u>2.7</u>	6.9	<u>1.5</u>	<u>3.3</u>	1.3
1934		<u>9.1</u>	<u>0.06</u>		<u>0.04</u>	<u>0.33</u>	<u>2.7</u>	<u>7.0</u>	<u>1.5</u>	<u>3.4</u>	1.3
1935		<u>10.7</u>	.		<u>0.06</u>	<u>0.33</u>	<u>3.0</u>	<u>7.0</u>	<u>1.5</u>	<u>3.4</u>	1.3
1936					<u>0.06</u>	<u>0.65</u>	<u>3.0</u>	7.1	<u>1.6</u>	<u>3.5</u>	1.3
1937					<u>0.06</u>	<u>0.65</u>	<u>3.2</u>	7.1	<u>1.6</u>	<u>4.0</u>	1.3
1938					<u>0.04</u>	<u>0.72</u>			<u>1.9</u>		<u>1.3</u>
1939					<u>0.06</u>	<u>0.72</u>			<u>1.9</u>		
1940											
1941											
1942											
1943											
1944											
1945											
1946											
1947						<u>1.2</u>	<u>4.3</u>		<u>1.7</u>	2.6	1.8
1948						<u>1.2</u>	<u>4.4</u>		1.8	3.0	1.8
1949						<u>1.2</u>	<u>4.6</u>		1.8	3.1	1.8
1950					0.06	<u>1.3</u>	<u>4.7</u>		1.8	3.2	1.9
1951					0.06	<u>1.3</u>	<u>4.8</u>		1.8	3.3	1.9

a. Data indicated as official probably represent only facilities available for public use.
 b. It is probable that data represent only facilities administered by the Ministry of Communications.
 c. Data are for all of Germany. No East-West breakdown is available.
 d. 1927. Data probably cover only the state system.

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SECURITY INFORMATION

ESTIMATED NUMBER OF TELEPHONE SUBSCRIBERS ^{a/}

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany b/	Hungary	Poland	Rumania	Thousands
1928		<u>297</u> c/			<u>0.5</u>	<u>16</u>	144	<u>2,892</u>	<u>91</u>	<u>162</u>	<u>52</u>	
1929		<u>331</u> c/	156		<u>0.5</u>	<u>17</u>	148	<u>3,115</u>	<u>98</u>	180	<u>56</u>	
1930		<u>378</u> c/	153		<u>0.7</u>	<u>17</u>	155	<u>3,170</u>	110	199	51	
1931		<u>453</u> c/	150		<u>0.7</u>	<u>18</u>	160	<u>3,032</u>	112	194	47	
1932		<u>552</u> c/	147		<u>0.8</u>	<u>18</u>	156	<u>2,877</u>	106	185	48	
1933		<u>634</u> c/	154		<u>0.6</u>	<u>20</u>	175	<u>2,870</u>	106	189	49	
1934		<u>732</u> c/	164		<u>0.7</u>	<u>20</u>	175	<u>3,050</u>	116	211	54	
1935		<u>854</u> c/	170		<u>0.7</u>	<u>21</u>	188	<u>3,185</u>	125	<u>231</u>	61	
1936		984	177		<u>0.8</u>	<u>22</u>	<u>203</u>	<u>3,345</u>	132	<u>245</u>	69	
1937		1,113	170		<u>0.8</u>	26	<u>216</u>	<u>3,537</u>	143	<u>272</u>	79	
1938		<u>1,272</u> c/	160		<u>0.2</u>	29			159	295	<u>92</u>	
1939		1,156	160		<u>1.0</u>	29			172		100	
1940		<u>1,039</u>				<u>32</u>					92	
1941		1,096				35						
1942									257			
1943												
1944												
1945		721				45						
1946		1,000	<u>222</u> d/			53	312	1,685	79	170	125	
1947		1,100	244			<u>54</u>	<u>350</u>	113	<u>104</u>	<u>189</u>	129	
1948		1,200	247			56	365	181	108	214	133	
1949		1,300	250			57	380	200	112	221	133	
1950		1,400	250		1.1	59	385	205	113	226	134	
1951		1,500	260		1.2	61	390	210	114	231	135	
1952		1,600	270		1.2	62	395	215	115	236	136	

a. With the exception of the USSR, data indicated as official probably represent only facilities available for public use.
 b. For the years 1928-1937 and 1946, data are for all of Germany. No East-West breakdown is available. Data for the years 1947-1951 are for East Germany, excluding Berlin.
 c. Probably only facilities administered by the Ministry of Communications are included.
 d. Probably includes only the state system.

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SECURITY INFORMATION

ESTIMATED NUMBER OF INTERURBAN AND INTERNATIONAL TELEPHONE CONVERSATIONS ^{a/}

	Bloc	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany c/	Hungary	Poland	Rumania	Millions
1928		14			0.06	2.9	15	20	5.1	26	4.4	
1929		39	3.9		0.06	3.1	16	21	5.8	28	10	
1930		36	3.8		0.06	1.1	17	20	5.5	29	9.4	
1931		34	3.8		0.04	1.1	19	15	5.2	28	9.2	
1932		31 d/	3.7		0.03	1.1	18	16	4.2	21	9.1	
1933		28 d/	3.8		0.03	2.8	17	16	4.2	22	9.0	
1934		27 d/	4.1		0.03	2.9	16	17	4.2	22	8.9	
1935		34 d/	4.2		0.04	3.2	18	19	5.2	25	8.8	
1936		41	4.4		0.04	3.3	18	20	5.3	26	8.6	
1937		49	4.2		0.06	3.7	20	17	5.7	26	8.5	
1938		57	4.0		0.05	3.0		24	6.6		8.6	
1939		64	4.0		0.06	4.1			8.3			
1940		72				4.6						
1941		81				5.0						
1942												
1943												
1944												
1945												
1946		80	5.6									
1947		90	6.1			9.5	45	9.1	5.4	23	18	
1948		100	6.2		0.06	10	46	14	5.5	24	19	
1949		110	6.2		0.08	10	48	16	5.8	27	19	
1950		120	6.4		0.11	11	48	16	5.8	28	19	
1951		132	6.5		0.13	12	49	17	5.8	28	19	
1952		143	6.8		0.14	12	49	17	5.9	29	19	

- a. It is probable that data indicated as official represent only telephone conversations handled over public facilities. The estimated range of accuracy for the USSR is plus or minus 7 per cent. The estimated range of accuracy for the Satellites is plus or minus 12 per cent.
- b. Interurban and international telephone conversations on state and private systems.
- c. Data are for East Germany, excluding Berlin. It is estimated that East German interurban and international telephone calls represented 7 per cent of such calls for all Germany during the period 1947-1951. Figures shown above for the years 1928-1938 were obtained by applying this ratio to data for prewar Germany.
- d. It is probable that the data represent only telephone conversations handled over facilities administered by the Ministry of Communications.

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SECURITY INFORMATION

TELEGRAPH WIRE FACILITIES ^{a/}

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	Germany ^{b/}	Hungary	Poland	Rumania
										Thousand Kilometers	
1928		<u>647</u> ^{c/}	166		<u>3.8</u>	<u>12</u>	<u>71</u>	<u>492</u>	<u>82</u>	<u>82</u>	<u>74</u>
1929			<u>174</u>		<u>3.8</u>	<u>12</u>	<u>71</u>	<u>500</u>	<u>82</u>	<u>81</u>	<u>76</u>
1930			173		<u>2.9</u>	<u>12</u>	<u>132</u>	<u>511</u>	<u>84</u>	<u>75</u>	<u>72</u>
1931			<u>172</u>		<u>3.1</u>	<u>12</u>	<u>132</u> ^{d/}	<u>521</u>	<u>84</u> ^{d/}	<u>75</u>	<u>68</u>
1932			153				131		82	75	69
1933			157				131		80	74	70
1934			159				131		78	71	72
1935			157				131		76	78	73
1936			169				134		74	75	75
1937			126				144		74	90	74
1938			133			8				84	
1939			140			8					
1940			135			0					
1941			84								
1942			115								
1943			106								
1944			81								
1945			95								151
1946			108						62	18	
1947			165							23	
1948			169								
1949			173								
1950			176								
1951			194								

a. Data indicated as official probably represent only facilities available for public use.
 b. Data are for all of Germany. No East-West breakdown is available.
 c. 1927. Data for 1928 are unavailable. It is probable that data represent only facilities administered by the Ministry of Communications.
 d. May include some mixed telegraph and telephone line and wire.

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SECURITY INFORMATION

TELEGRAPH LINE FACILITIES ^{a/}

	Thousand Kilometers										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	Germany b/	Hungary	Poland	Rumania
1928		<u>116 c/</u>	101		<u>2.7</u>	<u>2.3</u>	17	<u>211</u>	2	<u>27</u>	<u>15</u>
1929			<u>103</u>		<u>2.7</u>	<u>2.3</u>	17	<u>192</u>	2	<u>24</u>	<u>14</u>
1930			103		<u>1.8</u>	<u>2.3</u>	<u>21</u>	<u>185</u>	2	<u>25</u>	<u>15</u>
1931			<u>102</u>		<u>1.8</u>	<u>2.3</u>	<u>21 d/</u>	<u>392</u>	<u>2 d/</u>	<u>25</u>	<u>19</u>
1932			89				20	136	9		19
1933			91				20	134	9		19
1934			90				20	123	9		20
1935			90				20	131	9		20
1936			93				19	132	9		20
1937			82				19	133	9		20
1938			87			0.8					
1939			92			0.6					
1940			88			0.4					
1941			58								
1942			75								
1943			70								
1944			44								39
1945			38								
1946			50								
1947			103 e/						7		
1948			106								
1949			108								
1950			110								
1951			121								

- a. Line is used to indicate total distance spanned by one or more wires. It is probable that data indicated as official represent only facilities available for public use.
- b. Data are for all of Germany. No East-West breakdown is available. Data for 1928-1931 apparently include telephone lines.
- c. 1927. Data for 1928 are unavailable.
- d. May include some mixed telegraph and telephone line and wire.
- e. Manchuria and Taiwan not included.

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SECURITY INFORMATION

ESTIMATED NUMBER OF TELEGRAPH OFFICES ^{a/}

	Units										
	Bloc	USSR b/	China g/	European Satellites	Albania d/	Bulgaria d/	Czecho-slovakia e/	Germany f/	Hungary d/	Poland d/	Rumania d/
1928		7,381 g/	1,874		55	622	3,772	49,929	2,450	4,214	4,134
1929		8,081 g/	1,926		56	622	3,896	52,200	2,555	4,616	3,424
1930		18,068	1,746		56	607	3,983	56,249	2,624	4,901	3,242
1931		18,400	1,566		57	608	4,066	58,248	2,647	4,972	3,364
1932		18,699	1,915		57	609	4,036	59,094	2,656	4,898	3,014
1933		19,449	1,884		57	630	4,055	59,888	2,685	4,795	3,013
1934		22,078	2,250		57	630	4,144	61,120	2,732	4,770	3,114
1935		23,209	1,144		54	621	4,248	61,992	2,756	4,818	3,285
1936			1,272		53	620	4,447	62,721	2,782	4,875	5,839
1937			1,270		54	620	4,784	63,393	2,821	5,339	5,839
1938					54	616		68,605	3,092		5,768
1939					53	645			3,228		5,748
1940					54	684			3,587		4,175
1941					54	982			3,923		1,172
1942					87	1,027			4,391		1,169
1943						1,098					
1944						922					
1945						965					
1946						1,005	5,634		2,483	3,790	
1947		31,500				1,140			2,599		
1948						1,230		38,886	2,730		
1949						1,330		37,237	2,865		
1950			1,683			1,440		37,671	3,000		
1951						1,550			3,150		
1952						1,660			3,300		

a. Data shown represent offices available to the public.
 b. It is probable that these data represent only facilities operated by the Ministry of Communications.
 c. Depot offices are not included: 10,505 depot offices are reported for 1923.
 d. Data on depot offices are not available. The number of depot offices is believed insignificant.
 e. Depot offices are not included. Available depot office data follow: 1928 - 1,800; 1929 - 1,698; 1930 - 1,584.
 f. 1928-1938, prewar Germany; 1948-1950, West Germany only. Available data indicate that, in addition, there were the following depot offices: 1928 - 4,461; 1929 - 4,140; 1930 - 3,144.
 g. Apparently, depot offices are not included in data for 1928 and 1929. Available data indicate that there were approximately 10,000 depot offices in 1925 and 1926.

S-E-C-R-E-T

SECURITY INFORMATION

ESTIMATED NUMBER OF TELEGRAMS HANDLED OVER BASIC COMMUNICATION SYSTEM ^{a/}

	Millions										
	Eloc	USSR b/	China	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
1928		29	5.8		0.43	3.5	8.0	11.7	5.0	7.2	7.0
1929		37	5.2		0.45	3.4	8.2	13.3	5.0	7.4	8.1
1930		54	4.5		0.51	3.1	6.7	11.3	4.4	6.4	7.6
1931		75	3.2		0.64	2.9	5.1	9.0	3.4	5.2	6.4
1932		92	5.3		0.45	2.6	4.9	7.7	2.6	3.7	4.9
1933		86	5.4		0.35	2.3	4.3	8.0	2.4	3.2	4.3
1934		78	2.6		0.32	2.3	4.3	7.3	2.3	3.2	4.3
1935		80	5.8		0.32	2.5	4.3	7.3	2.4	3.4	4.2
1936		92	5.3		0.32	2.6	4.4	7.3	2.4	3.7	3.9
1937		104	6.7		0.34	2.4	4.8	7.0	2.6	4.1	4.4
1938		115	5.4		0.33	3.6		9.0	2.2		4.6
1939		126	5.6		0.60	4.0			3.7		5.4
1940		138	6.8		0.89	4.6					4.8
1941		144	9.5		0.94	5.7			4.0		6.5
1942			9.8		2.21	7.4			6.8		8.2
1943			10.5			8.1					7.8
1944			9.5			6.3					
1945			10.7			5.4					
1946		176	13.4			5.6	6.5		3.8	7.3	
1947		194	19.4			5.2	7.0		4.0	9.1	
1948		213			0.60	6.2	7.6	14.5	3.8	7.1	
1949		234			0.88	6.5	8.2	14	3.8	7.9	
1950		258			1.16	6.8	8.8	13.5	3.8	7.9	
1951		284			1.44	7.1	9.5	9.0	3.8	7.9	
1952		312			1.48	7.5	10.3		3.8	7.9	

a. It is probable that these data represent only telegrams handled over public facilities. The estimated range of accuracy of data for the USSR is plus or minus 10 per cent. The estimated range of accuracy for the Satellites is plus or minus 15 per cent.
 b. Data for 1928-1935 probably represent only telegrams handled by facilities operated by the Ministry of Communications.

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SECURITY INFORMATION

INVENTORY OF RADIO STATIONS a/

	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania	Units
Aeronautical												
1947		300										
1948						3	11					10
1949			54			10	14	40				
1950						16	16		7			
1951												
1952						16	38			19		16
Broadcasting												
1947		90	64		3	5			6	11		
1948		100	59		4	5		42	7	11		
1949		109	54		5	5		60	8	12		
1950		128	48		7	6	17		8	12	14	
1951			73		8	6			11	12		
1952			99		8	3	25	38	7	11		12
Coastal												
1947		348	27								1	1
1948			23								1	1
1949			18								2	2
1950			21			5					2	3
1951			25					15			3	3
1952			23			5		12			14	8
Point to Point												
1947		1,352	50		1	1	12	5	1	3		12
1948		1,428	64		4	4	12	8		4		17
1949		1,496	87		7	7	12	11	19	5		22
1950		1,494	207		11	11	12	14		6		27
1951		1,492	328		14	16	12	17		6		33
1952					9	12	12	11	16	12		21
Meteorological												
1952						5		3	6			15

a. One or more transmitters and receivers. Data are of doubtful reliability.

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SECURITY INFORMATION

BROADCASTING RECEPTION FACILITIES

		Thousands										
		Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Wire Diffusion Systems												
Main <u>a/</u>												
Exchanges	1946		10								0.26	
	1947		11								0.26	
	1948		11								0.29	
	1949		11			0.10					0.37	0.025
	1950		11			0.20			0.009		0.42	0.078
	1951		11			0.65			0.050		0.42	0.080
	1952											
Loudspeakers	1946		5,700								77	
	1947		6,500			5.0					150	
	1948		6,660			20					200	
	1949		6,720			35					300	7
	1950		6,780			50					375	28
	1951		6,840			80			60		400	50
	1952					115			160		725	100
Minor <u>b/</u>												
Exchanges	1946		1								1.5	
	1947		3								2.5	
	1948		6								3.2	
	1949		9								4.2	
	1950		12								5.0	
	1951		15								6.0	
	1952											
Loudspeakers	1946		100								21	
	1947		400								40	
	1948		800								50	
	1949		1,200								100	
	1950		1,600								175	
	1951		2,000								225	
	1952											
Receivers <u>c/</u>	1945					190		1,233	1,360	178	150	
	1946		1,000	850 <u>d/</u>		200		1,510	2,130	282	380	
	1947		1,250		29	205		1,891	2,263	384	500	220
	1948		1,750	900	40	205		2,100	2,181	475	660	225
	1949		2,370	875 <u>e/</u>	45	209		2,300	2,900	539	700	245
	1950		3,170	1,000	50	210		2,400	2,621	619	900	270
	1951		4,000	1,000	60	240		2,545	3,000	701	1,000	300
	1952				19	250		2,600	4,000	627	1,250	300

a. From 5 to 50 or more kw.
 b. From 0.005 to 5 kw.
 c. Crystal and vacuum tube receivers including short-wave receivers.
 d. Estimated range of accuracy, plus or minus 6 per cent.
 e. Estimated range of accuracy, plus or minus 14 per cent.

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MILITARY END ITEMS

(Pages 173-176)

Military End Items

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SECURITY INFORMATION

NAVAL VESSELS

	<u>Eloc</u>	<u>USSR</u>	<u>China</u>	<u>European Satellites</u>	<u>Albania</u>	<u>Bulgaria</u>	<u>Czecho- slovakia</u>	<u>East Germany</u>	<u>Hungary</u>	<u>Poland</u>	<u>Rumania</u>
Production (Thousand Standard Displacement Tons)											
1951	116	108	0		0	0	0	7.7	0	0	0.8/
1952	216	203	1.4		0	0	0	11.2	0	0	0
Inventory (Thousand Standard Displacement Tons)											
1951	949	921	17	11	0	1.5	0	0	0	5.2	4.3
Inventory, 1951 (Units) ^{b/}											
Old Battleships		3*									
Monitors		1*									
Heavy Cruisers		6*									
Old Heavy Cruisers		1*									
Light Cruisers		10*									
Old Light Cruisers		1*									
Destroyers	74*	73*		1*							1*
Old Destroyers	12*	7*		5*		1*					4*
Coastal Destroyers		20*									
Old Coastal Destroyers		20*									
Submarines	371*	370*		1*						1*	
Old Submarines				3*						2*	1*

a. Vessels amounting to 2,200 tons were under construction in Rumania during 1951.
 b. ^{5/}

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SECURITY INFORMATION

SMALL ARMS, MORTARS, ARTILLERY, ROCKET LAUNCHERS, AND AMMUNITION

	Eloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
SMALL ARMS (Pieces) <u>a/</u>											
Production											
1949		475,000 <u>b/</u>									
1950		475,000 <u>b/</u>									
1951											
1952		317,500	712,600			8,800	215,800		53,000	110,000	11,100
MORTARS (Pieces)											
Production											
1949		5,000									
1950		5,000									
1951 <u>c/</u>		5,000*	11,616*		0*	0*					
1952	28,300	6,000	20,000	2,300		150	800		600	350	400
Inventory <u>d/</u>											
1952	86,965*	80,000*		6,965*	445*	1,400*	1,720*	500*	1,270*	530*	1,100*
ARTILLERY (Pieces) <u>d/</u>											
Production											
1940		9,800									
1941											
1942											
1943											
1944 <u>e/</u>			408		0		5,000	9,576	1,000	600	800
1945											
1946		4,560									
1947		4,560									
1948		3,160									
1949		7,880									
1950		7,880									
1951 <u>f/</u>		10,000	288		0	0	600	0	100	0	75
1952		13,000* <u>g/</u>	720			125 <u>h/</u>	600				
ROCKET LAUNCHERS (Pieces) <u>c/</u>											
Inventory											
1952	5,922*	5,800*		122*		50*			32*	40*	
AMMUNITION PRODUCTION (Million Rounds)											
Small Arms Ammunition											
1940		60									
1946-1951 (Annually)		1,110									
1952		2,000 <u>i/</u>									
Artillery Ammunition											
1946-1951 (Annually)		36									
1952		<u>j/</u>									

a. Up to and including 20 mm.

b. Figure includes only rifles and pistols.

c. g/

d. All over 20 mm. unless otherwise indicated.

e. Data include artillery 75 mm. and over. The figures are for a World War II year, not necessarily 1944.

f. Data include artillery 75 mm. and over.

g. g/ including tank guns and assault guns, 22,500 pieces were produced in 1952.

h. Assembly only.

i. Data include 20 mm. and under. Estimated range of accuracy, plus or minus 50 per cent.

j. It is estimated that artillery ammunition was produced during 1952 in the following types and quantities: 155 mm. to 305 mm. - 255,000 rounds; 25 mm. to 122 mm. - 11,745,000 rounds. The estimated range of accuracy is plus or minus 50 per cent.

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SECURITY INFORMATION

TANKS AND ASSULT GUNS

	Units										
	Bloc	USSR	China	European Satellites	Albania	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Rumania
Production											
1941		7,400									
1942		14,550									
1943		22,800									
1944	35,054	24,200	0 a/	10,854 a/	0 a/		1,722 a/	8,272 a/	500 a/	360 a/	0 a/
1945		18,118									
1946		8,116									
1947		7,681									
1948		8,291									
1949		10,059									
1950		10,348									
1951		10,950 b/				0	0	0	0	0	
1952		10,950 b/									
Inventory c/											
Total Tanks and Assault Guns											
	CIA	59,398									
	G-2	65,999 d/	61,100		4,899 d/	100	805	869	760	825	995
Total Tanks											
	CIA	45,931									
	G-2	46,187	42,500		3,687	80	745	572	620	625	750
Light											
	CIA	84									
	G-2	40			40	40					
Medium											
	CIA	36,799									
	G-2	39,215	36,000		3,215	40	700	400	600	550	650
Heavy											
	CIA	9,048									
	G-2	6,752	6,500		252		45	12	20	75	100
Miscellaneous											
	G-2	160			160		160				
Total Assault Guns											
	CIA	13,467									
	G-2	19,812	18,600		1,212	20	60	297	140	200	245
Light											
	CIA	1,060									
	G-2	5,222	4,300		922	20	60	252	140	100	100
Medium											
	CIA	4,139									
	G-2	7,445	7,300		145		45				100
Heavy											
	CIA	8,268									
	G-2	7,145	7,000		145					100	45

a. This figure is for a World War II year, not necessarily 1944.
 b. These CIA estimates are higher than the 6,000 current production estimate carried by G-2. 5/
 c. 1951. CIA figures are for USSR produced tanks and assault guns in the Bloc as of 31 December 1951. No estimate has been made concerning their distribution. G-2 figures are all from the same source. 5/
 d. Included in this figure are 565 tanks which were not manufactured in the USSR. They are old tanks produced in wartime Germany, the US, and other non-Bloc countries. 5/

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SECURITY INFORMATION

INVENTORY OF AIRCRAFT ^{a/}

	Bloc	USSR	China b/	European Satellites	Albania	Bulgaria	Czecho-slovakia	East Germany	Hungary	Poland	Rumania
Total	24,400*	20,400*	2,500*	1,500*	10*	320*	340*		270*	350*	210*
Attack	3,190*	2,600*	200*	390*		80*	60*		90*	140*	20*
Bombers	5,580*	5,100*	300*	180*		60*	30*			60*	30*
Light	4,430*	3,950*	300*	180*		60*	30*			60*	30*
Jet	1,150*	1,150*									
Piston	3,280*	2,800*	300*	180*		60*	30*			60*	30*
Medium	1,150*	1,150*									
Fighters	12,260*	9,900*	1,640*	720*	10*	130*	170*		160*	120*	130*
Jet	8,030*	6,300*	1,400*	330*		70*	80*		40*	80*	60*
Piston	4,230*	3,600*	240*	390*	10*	60*	90*		120*	40*	70*
Reconnaissance	1,200*	1,100*		100*		20*	50*			10*	20*
Jet	90*	90*									
Piston	1,110*	1,010*		100*		20*	50*			10*	20*
Trainer	200*		200*								
Transport	1,970*	1,700*	160*	110*		30*	30*		20*	20*	10*

a. As of 1 October 1952. ^{15/}

b. Communist Air Force in China, Manchuria, and North Korea area.

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SECURITY INFORMATION

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