

SECRET

25X1

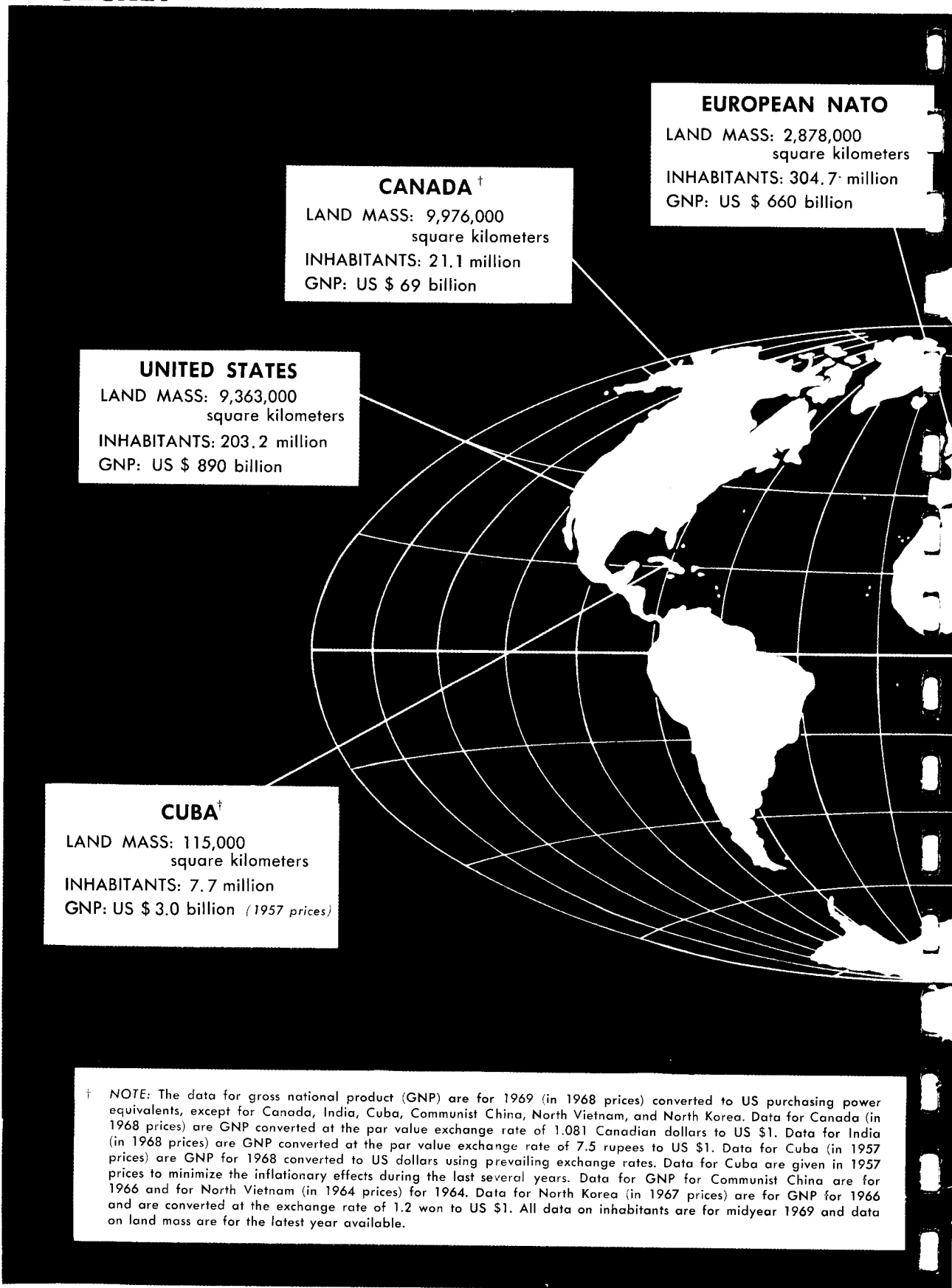
*Economic Intelligence  
Statistical Handbook  
1970*

This handbook was produced solely by CIA. It was prepared by the Office of Economic Research. Data on military expenditures and equipment and on the construction of maritime vessels were supplied by the Office of Strategic Research.

SECRET

25X1

**SECRET**



78263 6 70 CIA

**EAST EUROPEAN  
COMMUNIST COUNTRIES**

LAND MASS: 990,000  
square kilometers  
INHABITANTS: 102.8 million  
GNP: US \$148 billion

**USSR**

LAND MASS: 22,272,000  
square kilometers  
INHABITANTS: 240.2 million  
GNP: US \$ 448 billion

**NORTH KOREA<sup>†</sup>**

LAND MASS: 122,000  
square kilometers  
INHABITANTS: 13.8 million  
GNP: US \$ 3.0 billion (1967 prices)

**JAPAN**

LAND MASS: 370,000  
square kilometers  
INHABITANTS: 103 million  
GNP: US \$ 200 billion

**NORTH VIETNAM<sup>†</sup>**

LAND MASS: 159,000  
square kilometers  
INHABITANTS: 19.7 million  
GNP: US \$ 1.6 billion (1964 prices)

**COMMUNIST CHINA<sup>†</sup>**

LAND MASS: 9,561,000  
square kilometers  
INHABITANTS: 824 million  
GNP: US \$ 86 billion

**INDIA<sup>†</sup>**

LAND MASS: 3,268,000  
square kilometers  
INHABITANTS: 537 million  
GNP: US \$ 41 billion

**SECRET**



SECRET

## FOREWORD

1. *Purpose and Scope*

The *Economic Intelligence Statistical Handbook, 1970* provides statistics on the economies of the Communist countries and the countries of the North Atlantic Treaty Organization (NATO)—including France. New tables and graphics have been added to make possible more explicit comparisons.

In general, the data in the *Handbook* are for 1960 and 1965-69. A summary table is presented for European NATO, Eastern Europe, each of the Communist countries, selected NATO countries, India, and Japan. The data for Mongolia, because of their scarcity, are presented in a summary table but, in general, are not included in the individual commodity or aggregative tables. The graphics are designed for use as visual aids. Footnotes have been used liberally to give definitions, exceptions, and methodology. Footnotes to the commodity tables give more detailed definitions of the data than those appearing for the commodities on the summary table for each country. Therefore, the footnotes to the commodity tables should be referred to when a complete description of the data shown is required.

2. *Rounding of the Totals*

In each table the data for the individual countries have been rounded consistently. Because of the limitations in the cumulative data, the totals have been rounded, with some exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Totals are not presented if missing data are believed to represent a significant part of the total. In general, data are not given for countries for which a significant amount of data is not available. Because of rounding, components may not add to the totals shown.

3. *Symbols*

The abbreviation *N.A.* (not available) is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl.* (negligible) is used when the magnitude of the data is less than half of the final unit employed for each table. The metric system is used throughout.

4. *Classification of Data*

The unclassified data, indicated by an asterisk (\*), may be official data of the country cited or may be unclassified estimates of this Office. Tables in which all of the data are unclassified have been identified accordingly. *Classified data, however, frequently occur on the reverse of the page, and, therefore, caution should be exercised if pages are removed from this publication.*

5. *Sources*

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are estimates of this Office, official data from the country cited, or estimates made by other organizations. The data for the NATO and other Free World countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), are from unclassified publications of other international organizations or individual countries of the Free World, or are estimates of this Office.

6. *Terms*

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, Communist China, North Korea, North Vietnam, Albania, Cuba, and Yugoslavia; the

25X1

SECRET

v

**SECRET**

term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *NATO* includes the United States, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the United Kingdom, and West Germany. The term *developed countries* includes Austria, Belgium, Denmark, Finland, France, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, West Germany, Australia, Canada, Japan, New Zealand, South Africa, and the United States. The term *less developed countries of the Free World* includes (1) all countries of Africa

except the Republic of South Africa, (2) all countries of East Asia except Japan, (3) Portugal and Spain in Europe, (4) all countries in Latin America except Cuba, and (5) all countries in the Near East and South Asia.

As far as possible, production data for the Saar have been included in the data for West Germany for all years, unless otherwise indicated. Data for Alaska and Hawaii, when available, have been included in the total for the United States. Data for any of the above country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

SECRET

## CONTENTS

Economic Profile, 1969	<i>Frontispiece</i>
<i>Table</i>	<i>Page</i>

## I. ECONOMIC AND MILITARY INDICATORS

<i>Gross National Product in the US and the USSR (Figure 1)</i> .....	<i>preceding page</i>	1
---	-----------------------	---

## A. GROSS NATIONAL PRODUCT

1	Gross National Product .....	1
2	Gross National Product, by End Use, in the US and the USSR .... <i>Aggregate Factor Productivity in the USSR (Figure 2)</i> .....	2 <i>preceding page</i>
	<i>Per Capita Gross National Product in Selected Countries (Figure 3)</i> .....	<i>preceding page</i>
3	Percentage Distribution of Soviet Gross National Product, by End Use .....	3

## B. INDUSTRIAL AND AGRICULTURAL PRODUCTION

4	Indexes of Industrial Production .....	4
	<i>Indexes of Industrial and Agricultural Production in the US and the USSR (Figure 4)</i> .....	<i>preceding page</i>
	<i>Industrial and Agricultural Factor Productivity in the USSR (Figure 5)</i> .....	<i>preceding page</i>
5	Indexes of Agricultural Production in the East European Communist Countries .....	5
6	Average Annual Rates of Growth of Industrial Production, by Branch of Industry, in the USSR .....	5
7	Indexes of Gross Industrial Production in the Communist Countries	6

## C. SOVIET INVESTMENT AND FINANCE DATA

8	Soviet State Budget .....	7
9	Soviet Gross Fixed Capital Investment .....	8
10	Soviet Stocks of Fixed Capital .....	9
11	Drawings and Scheduled Repayments on Western Credits to the USSR .....	10
	<i>Soviet Hard Currency Balance of Payments (Figure 6)</i> .....	<i>preceding page</i>
	<i>Production, Disposition, and Reserves of Gold in the USSR (Figure 7)</i> .....	<i>preceding page</i>

SECRET

vii

## SECRET

<i>Table</i>	<i>Page</i>
<b>D. COMPARATIVE PERFORMANCE AND PLAN DATA</b>	
12 Selected Economic Data for the US and the USSR .....	11
13 Factors of Consumption for the US and the USSR .....	12
14 Soviet Economic Plan for 1970 .....	13
<b>E. MILITARY EXPENDITURES, EQUIPMENT, AND PORT CAPACITIES</b>	
15 Defense Expenditures, by Major Mission, in the US and the USSR .....	14
<i>Soviet Expenditures for Defense and Space (Figure 8) .....</i>	<i>preceding page</i> 15
16 Soviet Expenditures for Defense and Space, by Major Mission .....	15
17 Soviet Expenditures for Defense and Space, by Category of Expenditures .....	16
18 Construction of Naval Ships, by Type, in the Communist Countries .....	17
19 Production of Military Aircraft, by Type, in the United States and the Communist Countries .....	18
<i>Military Capacities of Selected Ports (Figure 9) .....</i>	<i>preceding page</i> 19
<b>II. POPULATION AND COUNTRY TABLES</b>	
<b>A. POPULATION</b>	
20 Population .....	19
21 Labor Force .....	20
22 Nonagricultural Labor Force .....	20
23 Agricultural Labor Force .....	21
<b>B. COUNTRY TABLES: SELECTED ECONOMIC DATA</b>	
24 United States .....	22
25 European NATO .....	23
26 France .....	24
27 Italy .....	25
28 United Kingdom .....	26
29 West Germany .....	27
30 India .....	28
31 Japan .....	29
32 USSR .....	30
33 Eastern Europe .....	31
34 Bulgaria .....	32
35 Czechoslovakia .....	33
36 East Germany .....	34
37 Hungary .....	35
38 Poland .....	36



## SECRET

<i>Table</i>		<i>Page</i>
39	Romania .....	37
40	Communist China .....	38
41	North Korea .....	39
42	North Vietnam .....	40
43	Albania .....	41
44	Cuba .....	42
45	Mongolia .....	43
46	Yugoslavia .....	44

## III. FOREIGN TRADE

	<i>Direction of Foreign Trade of the Communist Countries</i> ( <i>Figure 10</i> ) .....	<i>preceding page</i>	45
47	World Exports, by Selected Country and Region .....		45
48	Trade of the US with the USSR and East European Communist Countries .....		45
49	Trade of the US with the USSR, by Commodity .....		46
50	Trade Turnover of the Communist Countries .....		47
51	Trade Among the Communist Countries .....		48
52	Trade of the Communist Countries with the Free World .....		49
53	Soviet Foreign Trade .....		50
54	Soviet Exports .....		51
55	Soviet Imports .....		52
56	Soviet Exports of Petroleum .....		53
57	Soviet Imports of Chemical Equipment .....		53
58	Chinese Communist Foreign Trade .....		54
59	Chinese Communist Exports .....		55
60	Chinese Communist Imports .....		56

## IV. AID

	<i>US and Soviet Economic Aid Extended to Less Developed Countries of the Free World</i> ( <i>Figure 11</i> ) .....	<i>preceding page</i>	57
	<i>US and Soviet Military Aid to Less Developed Countries of the Free World (Figure 12)</i> .....	<i>preceding page</i>	57
	<i>Soviet Economic Aid Extended (Figure 13)</i> .....	<i>preceding page</i>	57
<b>A. COMMUNIST AID DELIVERED TO NORTH VIETNAM</b>			
	<i>Economic and Military (Figure 14)</i> .....	<i>preceding page</i>	57
61	Soviet Military .....		57
62	Chinese Communist Military .....		58
<b>B. COMMUNIST AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD</b>			
<b>1. Extensions and Drawings</b>			
	<i>Economic and Military, by Area</i> ( <i>Figure 15</i> ) .....	<i>preceding page</i>	59

SECRET

ix

## SECRET

<i>Table</i>	<i>Page</i>
<i>Soviet Economic and Military, by Area (Figure 16) . . . . .</i>	<i>preceding page 59</i>
<i>Chinese Communist Economic and Military, by Area (Figure 17) . . . . .</i>	<i>preceding page 59</i>
63 Economic . . . . .	59
64 Military . . . . .	60
<i>Net Flows of Soviet Military and Economic Aid to the Less Developed Countries of the Free World (Figure 18) . . . . .</i>	<i>preceding page 61</i>
65 Net Flows of Soviet Productive Resources to Less Developed Countries of the Free World . . . . .	61
<b>2. Recipient and Donor</b>	
66 Economic and Military . . . . .	62
67 Economic . . . . .	64
68 Military . . . . .	66
<b>3. Major Deliveries of Military Equipment</b>	
69 Land Armaments and Naval Ships, by Recipient . . . . .	67
70 Aircraft and Guided Missile Systems, by Recipient . . . . .	68
71 Recipients in 1969 . . . . .	69
<b>4. Trainees</b>	
72 Academic, Technical, and Military Departures for Training in Communist Countries . . . . .	70
73 Military Personnel in Communist Countries . . . . .	71
74 Communist Economic and Military Technicians in Less Developed Countries of the Free World, by Country . . . . .	72
<b>V. INDUSTRIAL PRODUCTS AND RAW MATERIALS</b>	
<b>A. CHEMICALS</b>	
75 Sulfuric Acid . . . . .	73
76 Synthetic Ammonia . . . . .	74
77 Caustic Soda . . . . .	75
78 Mineral Fertilizer, Nutrient Content . . . . .	76
79 Mineral Fertilizer . . . . .	77
80 Plastics . . . . .	77
<b>B. RUBBER AND RUBBER PRODUCTS</b>	
81 Natural Rubber . . . . .	77
82 Synthetic Rubber . . . . .	78
83 Rubber Tires . . . . .	78
<b>C. FUELS AND POWER</b>	
84 Primary Energy . . . . .	79
85 Hard Coal . . . . .	80
86 Brown Coal and Lignite . . . . .	81
87 Metallurgical Coke . . . . .	82

**SECRET**

<i>Table</i>		<i>Page</i>
88	Crude Oil .....	83
89	Petroleum Products .....	84
90	Natural Gas .....	85
91	Electric Power .....	86
92	Installed Electric Generating Capacity .....	87

**D. FERROUS AND FERROALLOYING ORES AND METALS**

93	Crude Steel .....	88
94	Rolled Steel .....	89
95	Pig Iron .....	90
96	Iron Ore .....	91
97	Manganese Ore .....	92
98	Refined Nickel .....	93
99	Chromite .....	94
100	Molybdenum .....	95
101	Cobalt .....	95
102	Tungsten Ore .....	96

**E. NONFERROUS ORES AND METALS**

103	Gold .....	97
104	Refined Copper .....	98
105	Primary Aluminum .....	99
106	Bauxite .....	100
107	Smelter Lead .....	101
108	Refined Zinc .....	102
109	Primary Tin Metal .....	103
110	Primary Magnesium .....	104
111	Titanium Sponge Metal .....	104

**VI. CONSUMER GOODS, PRODUCERS' GOODS,  
AND CONSTRUCTION****A. CONSUMER GOODS**

112	Footwear .....	105
113	Woven Cotton Fabrics .....	105
114	Woven Woolen Fabrics .....	106
115	Woven Rayon and Acetate Fabrics .....	107
116	Synthetic Fibers .....	107

**B. PRODUCERS' GOODS**

117	Metalcutting Machine Tools .....	108
118	Metalforming Machine Tools .....	108
119	Metallurgical Equipment .....	109
120	Electric Motors .....	109
121	Electric Generators .....	110

**SECRET****xi**

**SECRET**

<i>Table</i>	<i>Page</i>
122 Turbines .....	110
123 Digital Computers .....	111

**C. CONSTRUCTION**

124 Total Housing Construction .....	111
125 Production of Cement .....	112

**VII. AGRICULTURE**

<i>Selected Agricultural Inputs and Output in the US and the USSR (Figure 19) .....</i>	<i>preceding page 113</i>
---	---------------------------

**A. PRODUCTION OF FOOD CROPS**

126 Grain .....	113
127 Breadgrain .....	114
128 Coarse Grain .....	115
129 Rice .....	116
130 Potatoes .....	117

**B. PRODUCTION OF PROCESSED FOODS AND FISH CATCH**

131 Meat .....	118
132 Milk .....	119
133 Sugar .....	120
134 Fish Catch .....	121

**C. INVENTORY OF LIVESTOCK**

135 Cattle .....	122
136 Hogs .....	123

**D. PRODUCTION OF SELECTED FIBERS**

137 Ginned Cotton .....	124
138 Wool .....	125

**E. PRODUCTION OF EQUIPMENT**

139 Grain Combines .....	126
140 Tractors .....	126

**VIII. TRANSPORTATION AND COMMUNICATIONS**

<i>Domestic Transport Performance in the US and the USSR (Figure 20) .....</i>	<i>preceding page 127</i>
--	---------------------------

**A. TRANSPORTATION PERFORMANCE**

141 Railroad Freight, in Ton-Kilometers .....	127
142 Railroad Freight, in Tons Carried .....	128

**SECRET**

<i>Table</i>		<i>Page</i>
143	Motor Vehicle Freight, in Ton-Kilometers .....	129
144	Motor Vehicle Freight, in Tons Carried .....	129
145	Inland Water Freight, in Ton-Kilometers .....	130
146	Inland Water Freight, in Tons Carried .....	131
147	Ocean Freight, in Ton-Kilometers .....	132
148	Air Passenger Traffic, in Passenger-Kilometers .....	132
149	Airfreight Traffic, in Ton-Kilometers .....	133
150	Petroleum Pipeline Transportation, in Ton-Kilometers .....	133
151	Petroleum Pipeline Transportation, in Tons Carried .....	133

**B. PRODUCTION OF TRANSPORTATION EQUIPMENT**

152	Maritime Cargo Ships .....	134
153	Maritime Tankers .....	135
154	Fishing Ships .....	135
155	Locomotives .....	136
156	Diesel Locomotives .....	137
157	Electric Locomotives .....	137
158	Railroad Freight Cars .....	138
159	Passenger Automobiles .....	139
160	Trucks and Buses .....	140

**C. INVENTORY OF TRANSPORTATION EQUIPMENT**

161	Civil Aircraft .....	141
162	Locomotives .....	142
163	Railroad Freight Cars .....	143
164	Civilian Trucks .....	144
165	Merchant Fleet .....	145
166	Tanker Fleet .....	146

**D. COMMUNICATIONS**

167	Telephones in Use .....	147
168	Long-Distance Telephone Calls .....	148
169	Telegrams Sent over the Domestic System .....	149
170	Semiconductors .....	150
171	Radio Receivers .....	150
172	Television Receivers .....	151
173	Radio Receivers in Public Use .....	152
174	Television Receivers in Public Use .....	153

**IX. CONVERSION FACTORS AND RATES OF EXCHANGE**

175	Selected Conversion Factors .....	154
176	Rates of Exchange for Currencies of the Communist Countries .....	155
177	Cross Rates of Exchange for Currencies of the NATO Countries .....	156

**SECRET****xiii**







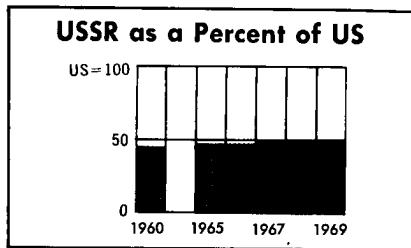


**SECRET**

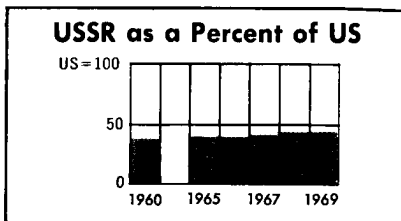
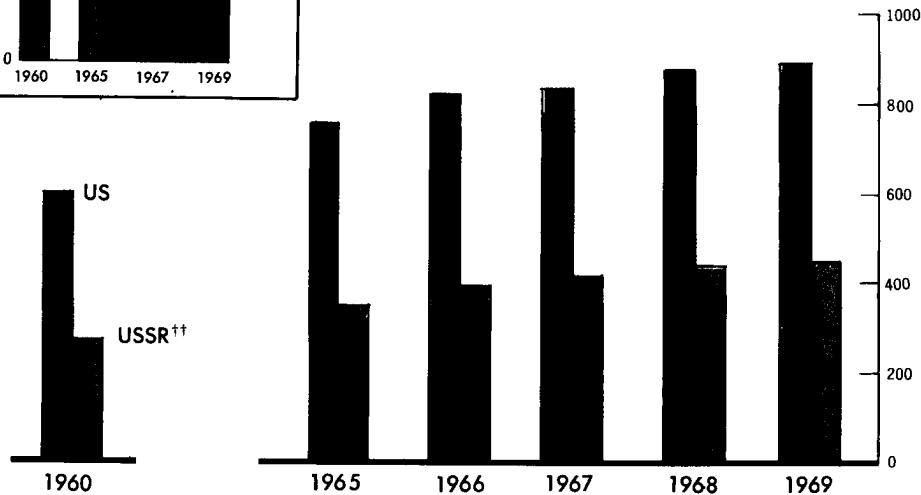
Figure 1

**GROSS NATIONAL PRODUCT † IN THE US AND THE USSR**

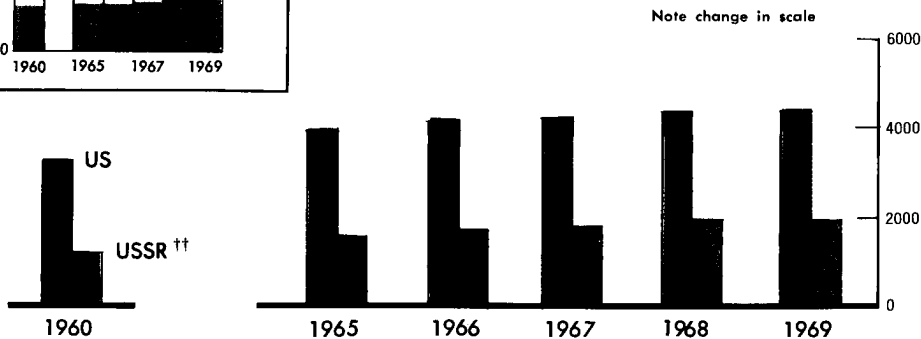
		1960	1965	1966	1967	1968	1969
GNP (Billion 1968 US \$)	US	596.1	755.1	805.4	824.9	865.7	890.3
	USSR††	272.0	360.2	384.6	410.2	434.1	448.0
	Difference	324.1	394.9	420.8	414.7	431.6	442.3
GNP (USSR as a Percent of US)		46	48	48	50	50	50
GNP Per Capita (1968 US \$)	US	3300	3880	4090	4140	4300	4380
	USSR††	1270	1560	1650	1740	1830	1870
GNP Per Capita (USSR as a Percent of US)		38	40	40	42	43	43



**GROSS NATIONAL PRODUCT**  
*Billion 1968 US \$*



**GROSS NATIONAL PRODUCT PER CAPITA**  
*1968 US \$*



† At market prices.  
†† Converted at US purchasing power equivalents.

**SECRET**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

## SECRET

Table 1  
Estimated Gross National Product at Market Prices

	Billion 1968 US \$ (Converted at US Purchasing Power Equivalent <sup>a</sup> )						Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
NATO COUNTRIES.....	1,080*	1,370*	1,450*	1,490*	1,560*	1,620*	4.9*	4.2*
United States.....	596.1*	755.1*	805.4*	824.9*	865.7*	890.3*	4.8*	4.2*
Canada <sup>c</sup> .....	44.1*	57.7*	61.4*	63.1*	66.1*	69.3*	5.5*	4.7*
European NATO.....	440*	560*	580*	600*	630*	660*	4.9*	4.2*
Of which:								
Belgium.....	18.0*	23.1*	23.8*	24.6*	25.5*	27.0*	5.1*	4.0*
Denmark.....	9.3*	11.9*	12.2*	12.7*	13.1*	13.9*	5.2*	3.8*
France.....	93.6*	124.3*	131.2*	137.4*	143.2*	155.1*	5.8*	5.7*
Italy.....	57.3*	73.7*	78.1*	83.1*	87.9*	92.3*	5.2*	5.8*
Netherlands.....	20.2*	25.8*	26.5*	28.1*	29.8*	31.2*	5.0*	4.9*
Norway.....	6.5*	8.5*	8.8*	9.3*	9.7*	10.4*	5.4*	5.4*
United Kingdom.....	104.1*	122.9*	125.4*	127.9*	131.5*	134.0*	3.4*	2.2*
West Germany <sup>d</sup> .....	109.3*	139.8*	143.2*	142.8*	153.1*	165.4*	5.0*	4.3*
COMMUNIST COUNTRIES								
USSR and Eastern Europe.....	374	484	515	546	576	596	5.3	5.3
USSR.....	272.0	360.2	384.6	410.2	434.1	448.0	5.8	5.6
Eastern Europe.....	102*	123*	130*	136*	142*	148*	3.8*	4.7*
Bulgaria.....	5.5*	7.5*	8.1*	8.6*	9.2*	9.8*	6.4*	6.9*
Czechoslovakia.....	22.8*	24.3*	25.5*	26.7*	27.6*	28.4*	1.3*	4.0*
East Germany.....	25.0*	29.2*	30.4*	31.7*	33.0*	34.5*	3.2*	4.3*
Hungary.....	9.9*	12.1*	12.7*	13.2*	13.5*	13.9*	4.1*	3.5*
Poland.....	26.3*	33.9*	35.9*	37.2*	38.8*	40.0*	5.2*	4.2*
Romania.....	12.4*	16.4*	17.9*	18.9*	20.0*	21.1*	5.8*	6.5*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> For the individual European NATO countries, the ratios for converting gross national product (GNP) in national currencies at 1968 prices into 1968 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1968 by applying the following factor: the derived price indexes for each European country for 1950-68 divided by a derived price index for the United States for 1950-68. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1968 prices. The total GNP for the European NATO countries is based on the estimate that the total GNP of the individual countries shown represents 95% of the total European NATO GNP, which is the approximate relationship derived from other sources. The values shown for the Communist countries have been calculated in a manner which makes them reasonably comparable with the values shown for the NATO countries.

<sup>b</sup> The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

<sup>c</sup> Converted at the exchange rate of 1.081 Canadian dollars to US \$1.

<sup>d</sup> Including data for West Berlin, for which separate data are not available.

## SECRET

Table 2

Gross National Product, by End Use, in the US and the USSR  
1968

	Billion 1968 US \$ <sup>a</sup>		USSR as a Percent of US
	US	USSR	
Consumption.....	582.9*	225.0	39
New fixed investment.....	149.9*	132.4	88
Defense.....	81.5*	58.9	72
Other.....	51.3*	46.3	90
GNP.....	865.7*	434.1 <sup>b</sup>	50

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> US market prices. Total Soviet gross national product (GNP) and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US weighted and Soviet weighted ratios was then used for the conversion of Soviet values into dollars.

The magnitudes for the Soviet end use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs. Agriculture alone, for example, uses 32% of the labor force, or 41 million people, as a result of the inefficiency of that sector in the USSR.

The adjusted end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education. (The personal consumption expenditures for the United States are \$536.6 billion.)

(2) Investment is defined (a) for both the United States and the USSR as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for defense facilities; for equipment purchased by the government except that for defense; and for defense stockpiling and defense-production expansion; and (b) for the United States, as also including expenditures by state and local government for development of atomic energy. (The gross private domestic investment for the United States is \$126.3 billion.)

(3) Defense as a component of GNP comprises government purchases of goods and services for the military services, federal government expenditures on atomic energy development, and outlays on space research and technology. Defense excludes stockpiling activities and net military grants for foreign military assistance. (The federal government purchases of goods and services for national defense, excluding purchases by NASA, for the United States are \$78.0 billion.)

(4) Other for the USSR includes inventory change, administration, net exports, and a statistical discrepancy. Administration includes expenditures on civilian internal security, general agricultural programs, public organizations, government administration, and social welfare. Other for the United States includes administration, net exports and military assistance, change in inventories and stockpiles, and a statistical discrepancy. Administration is the residual left after all current expenditures for national defense, health, education, and all capital expenditures are subtracted from government purchases of goods and services. (There is no equivalent category for the unadjusted data for the United States.)

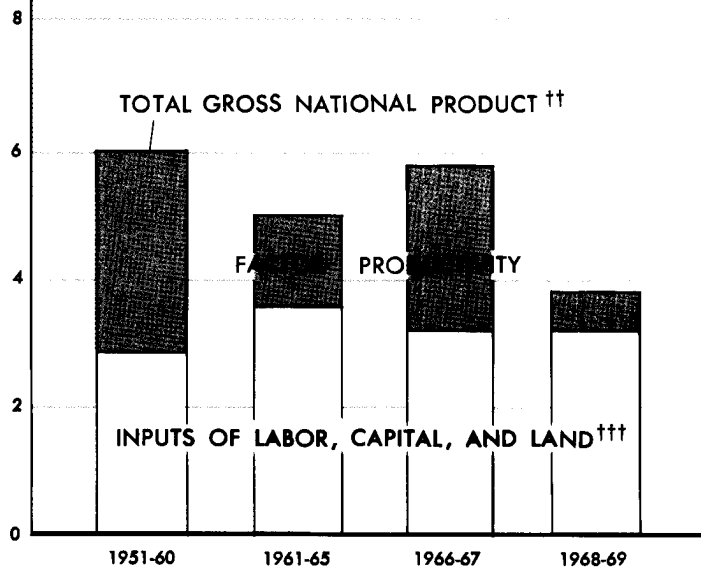
<sup>b</sup> The sum of the end use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values. Nevertheless, the individual end use components were not adjusted to agree with the total, since the US-USSR comparisons shown are believed to give the best available description of relative size.

**SECRET**

Figure 2

## AGGREGATE FACTOR PRODUCTIVITY IN THE USSR

	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) †			
	1951-60	1961-65	1966-67	1968-69
GROSS NATIONAL PRODUCT ††	6.0	5.0	5.8	3.8
FACTOR PRODUCTIVITY				
Labor (manhours), capital, and land	3.0	1.4	2.6	0.6
Manhours	5.4	3.1	4.0	1.9
Capital (including livestock)	-3.0	-3.3	-1.6	-3.3
Land	2.9	4.4	6.4	3.5
INPUTS				
Labor (manhours), capital, and land †††	2.9	3.6	3.2	3.2
Manhours	0.6	1.9	1.8	1.9
Capital (including livestock)	9.3	8.6	7.6	7.4
Land	3.0	0.6	-0.6	0.3



† The base year is the year prior to the stated period.

†† Based on indexes of GNP (1960 rubles), by sector of origin, at factor cost.

††† Inputs of manhours, capital, and land are combined using weights of 69.21%, 26.41%, and 4.38%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs, charges on gross fixed capital (including livestock), and land rent in 1960, the base year for all indexes underlying the growth rate calculations.

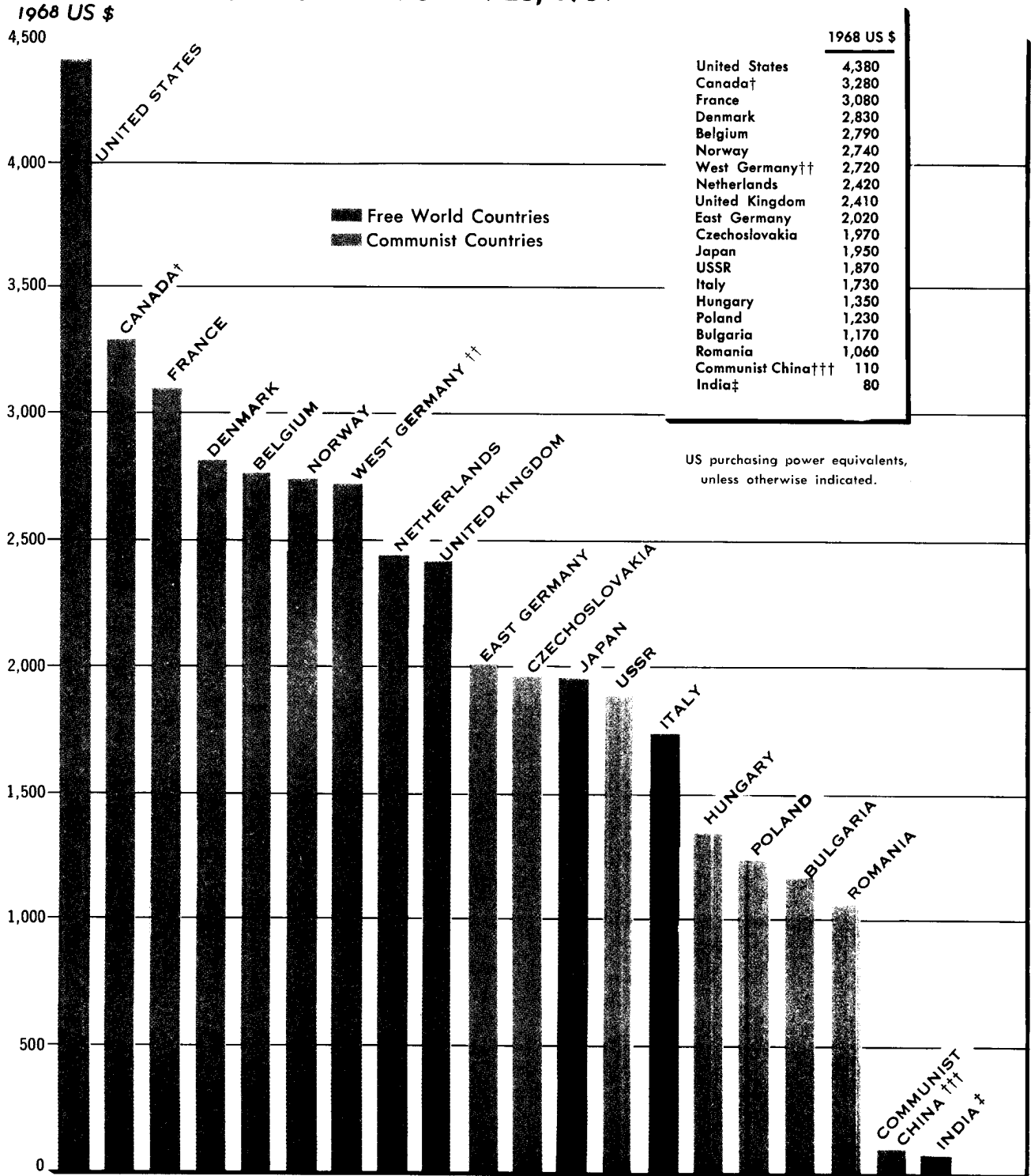
**SECRET**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50

**SECRET**

Figure 3

**PER CAPITA GROSS NATIONAL PRODUCT  
IN SELECTED COUNTRIES, 1969**



† Gross national product per capita converted at the par value exchange rate of 1.081 Canadian dollars to US \$1.  
 †† Including West Berlin.  
 ††† Data are for 1966.  
 ‡ Gross national product per capita converted at the par value exchange rate of 7.5 rupees to US \$1.

78266 6-70 CIA

**SECRET**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200



Table 3  
 Percentage Distribution of Soviet Gross National Product, by End Use  
 (Adjusted Factor Cost <sup>a</sup>)

	Percent of Total					
	1960	1965	1966	1967	1968	1969 <sup>b</sup>
Consumption.....	59	56	57	57	57	58
Investment.....	28	30	31	32	33	33
New fixed.....	23	24	24	25	25	26
Other <sup>c</sup> .....	5	6	7	7	8	7
Defense.....	9	8	8	8	8	8
Administration.....	3	2	2	2	2	2
Inventory change, net exports, and statistical discrepancy.....	2	3	2	1	<i>Negl.</i>	-1
Total.....	100	100	100	100	100	100

<sup>a</sup> Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of gross national product (GNP) in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1960 end use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding amortization charges, implicit interest costs, agricultural land rent, and subsidies. These revised weights are then moved over time by indexes of the value of the various end uses in constant market prices.

<sup>b</sup> Preliminary.

<sup>c</sup> Civilian research and development and expenditures on capital repair.

SECRET

SECRET

## SECRET

Table 4  
Indexes of Industrial Production <sup>a</sup> in Selected NATO and Communist Countries

	1960=100						Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1966	1967	1968	1969 <sup>c</sup>	1961-65	1966-69
<b>NATO COUNTRIES</b>								
United States.....	100*	132*	144*	145*	152*	159*	5.7*	4.8*
Belgium.....	100*	132*	134*	137*	144*	160*	5.7*	4.9*
France.....	100*	128*	137*	141*	148*	167*	5.1*	6.9*
Italy.....	100*	140*	156*	169*	180*	185*	7.0*	7.2*
Luxembourg.....	100*	110*	106*	106*	112*	127*	1.9*	3.7*
Netherlands.....	100*	134*	142*	149*	165*	186*	6.0*	8.5*
United Kingdom.....	100*	116*	118*	118*	124*	129*	3.0*	2.7*
West Germany.....	100*	132*	134*	132*	148*	167*	5.7*	6.1*
<b>COMMUNIST COUNTRIES</b>								
<b>USSR and Eastern Europe</b>								
USSR <sup>d</sup> .....	100	138	148	159	168	177	6.6	6.4
Eastern Europe.....	100*	133*	143*	153*	163*	174*	5.9*	6.9*
Bulgaria.....	100*	173*	194*	220*	246*	271*	11.6*	11.9*
Czechoslovakia.....	100*	120*	127*	135*	141*	147*	3.7*	5.2*
East Germany.....	100*	119*	125*	131*	138*	148*	3.5*	5.6*
Hungary.....	100*	139*	149*	158*	164*	168*	6.8*	4.9*
Poland.....	100*	139*	147*	157*	169*	182*	6.8*	7.0*
Romania.....	100*	167*	187*	208*	229*	249*	10.8*	10.5*
<b>Far East</b>								
Communist China <sup>e</sup> .....	100	93-98	104-111	89-96	93-102	N.A.	-0.9 <sup>f</sup>	0.7 <sup>f</sup> <sup>g</sup>
<b>Other</b>								
Yugoslavia.....	100*	166*	173*	172*	183*	203*	10.7*	5.2*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Indexes for the NATO countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. Data for Belgium, France, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany exclude the manufacture of food, beverages, and tobacco. The indexes for the Communist countries are estimates of this Office—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for the Communist countries include manufacturing, mining, and public utilities.

<sup>b</sup> The base year is the year prior to the stated period.

<sup>c</sup> Preliminary.

<sup>d</sup> Index of gross values for individual commodities and branches aggregated by 1960 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 47.0%, 30.1%, and 22.9%, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

<sup>e</sup> Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

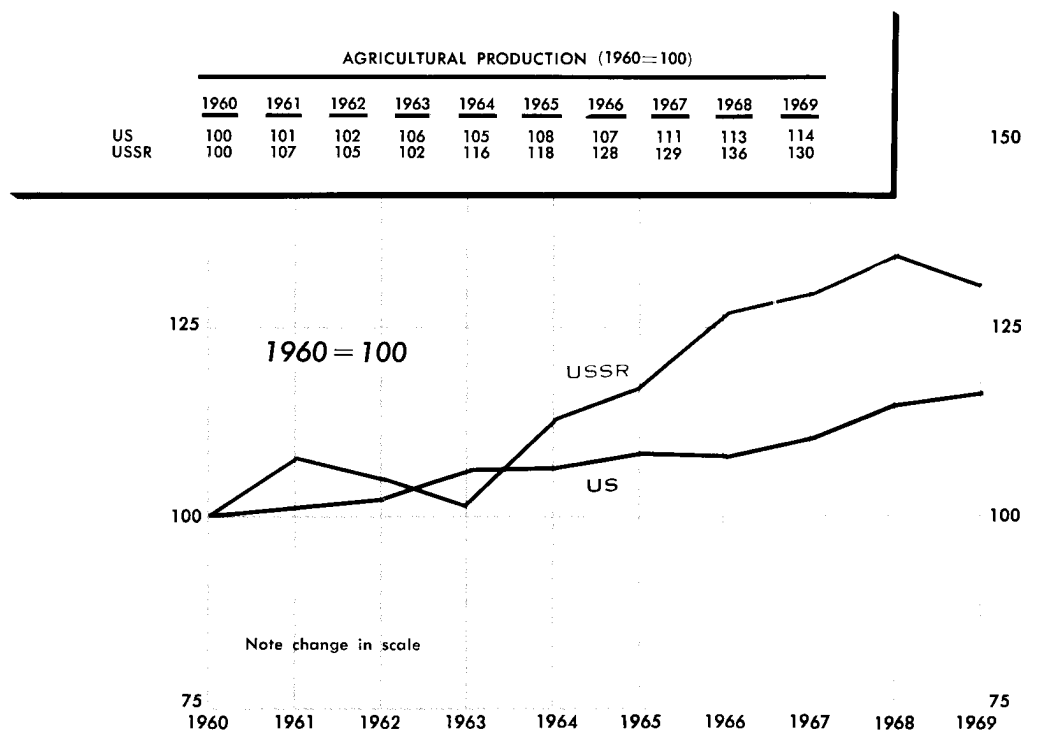
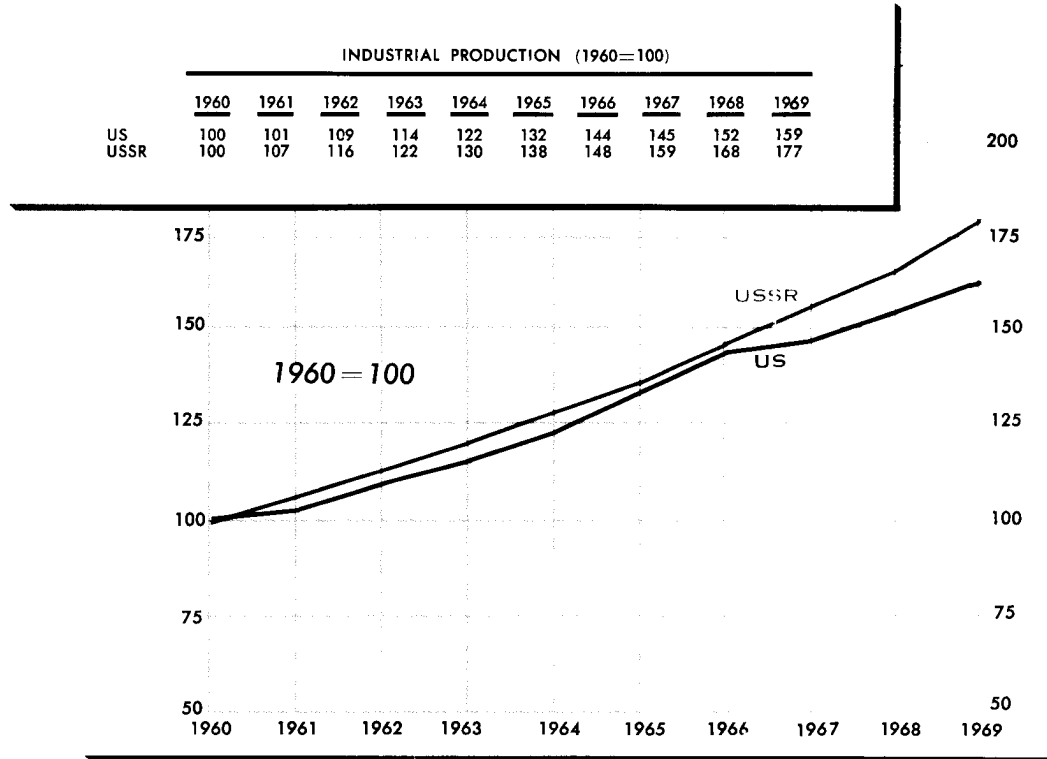
<sup>f</sup> Based on the midpoint of the range.

<sup>g</sup> Rate of growth for 1966-68.

**SECRET**

Figure 4

## INDEXES OF INDUSTRIAL AND AGRICULTURAL PRODUCTION IN THE US AND THE USSR



**SECRET**

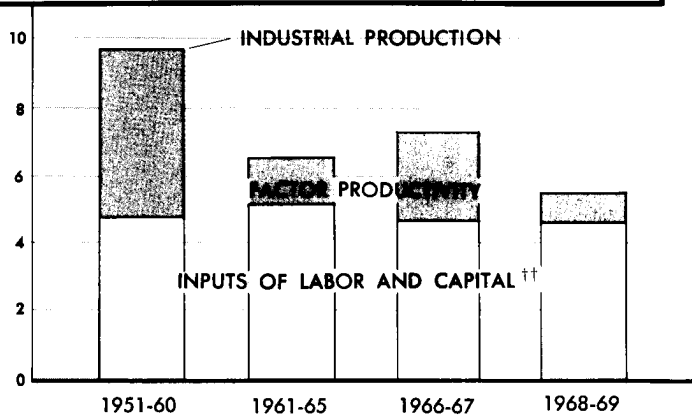


**SECRET**

Figure 5

## INDUSTRIAL AND AGRICULTURAL FACTOR PRODUCTIVITY IN THE USSR

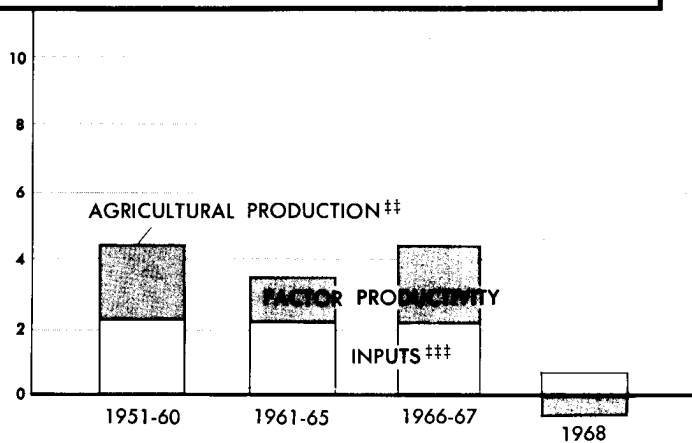
	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) †			
	1951-60	1961-65	1966-67	1968-69
INDUSTRIAL PRODUCTION	9.8	6.6	7.3	5.5
FACTOR PRODUCTIVITY				
Labor (manhours) and capital	4.8	1.4	2.4	0.9
Manhours	7.0	3.4	3.7	2.0
Capital	-1.5	-4.1	-1.3	-2.3
INPUTS				
Labor (manhours) and capital ††	4.8	5.1	4.7	4.6
Manhours	2.6	3.2	3.4	3.5
Capital	11.5	11.2	8.7	8.0



† The base year is the year prior to the stated period.

†† Inputs of manhours and capital are combined using weights of 74.5% and 25.5%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (charges on fixed and working capital and depreciation) in 1960, the base year for all indexes underlying the growth rate calculations.

	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) ‡			
	1951-60	1961-65	1966-67	1968
AGRICULTURAL PRODUCTION ††	4.3	3.4	4.3	0.6
FACTOR PRODUCTIVITY	2.1	1.3	2.2	-0.6
INPUTS †††	2.2	2.1	2.0	1.1



‡ The base year is the year prior to the stated period.

†† Percentages were derived from output data, using three-year moving averages.

††† Inputs of mandays, fixed capital, land, livestock, and current purchases are combined using weights of 57.3%, 8.4%, 17.3%, 2.9%, and 14.1%, respectively, in a Cobb-Douglas production function. These weights represent the monetary or inputted costs attributed to each of the inputs in 1959, the base for all indexes underlying the growth rate calculations.

78268 6-70 CIA

**SECRET**



## SECRET

Table 5

Indexes of Agricultural Production <sup>a</sup> in the East European Communist Countries

	1960=100						Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
Eastern Europe.....	100*	107*	117*	120*	119*	117*	1.4*	2.3*
Bulgaria.....	100*	120*	142*	143*	126*	128*	3.7*	1.6*
Czechoslovakia.....	100*	96*	108*	113*	116*	115*	-0.8*	4.6*
East Germany.....	100*	104*	107*	112*	114*	105*	0.8*	0.2*
Hungary.....	100*	102*	114*	122*	118*	125*	0.4*	5.2*
Poland.....	100*	107*	114*	115*	116*	112*	1.4*	1.1*
Romania.....	100*	113*	131*	135*	132*	132*	2.5*	4.0*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> These indexes are estimates of this Office. They are based on the value of crop production less feed (including imported grain), seed, and waste; plus the value of livestock products, including changes in livestock numbers. FAO/OECD West European regional price weights (1952-56 average) were used to compute the indexes.

<sup>b</sup> The base year is the year prior to the stated period.

Table 6

Average Annual Rates of Growth <sup>a</sup> of Industrial Production, by Branch of Industry, in the USSR

	Percent						
	1961-65	1966-69 <sup>b</sup>	1965	1966	1967	1968	1969 <sup>b</sup>
Industrial materials.....	7.0	5.7	7.5	6.6	7.0	5.1	4.1
Electric power.....	11.5	8.0	10.0	7.6	7.7	8.8	7.9
Coal.....	2.7	1.8	4.4	1.9	2.2	0.6	2.4
Petroleum products and natural gas.....	10.9	7.9	9.0	9.0	9.0	7.1	6.6
Ferrous metals.....	8.0	5.8	7.3	7.6	6.6	6.4	2.8
Nonferrous metals.....	8.4	7.6	8.6	8.8	9.6	7.1	5.0
Forest products.....	3.4	3.6	1.7	1.9	5.9	4.0	2.8
Paper and paperboard products.....	7.7	6.4	12.8	10.5	8.2	5.1	2.0
Construction materials.....	8.0	6.0	9.3	9.7	7.8	3.9	2.8
Chemicals.....	10.6	8.0	14.5	10.0	10.6	5.9	5.7
Machinery.....	7.4	8.2	3.7	9.3	8.5	7.1	8.0
Civilian.....	8.6	8.9	6.5	9.5	8.3	8.9	8.9
Military.....	5.5	6.9	-0.9	8.9	8.6	4.0	6.2
Nondurable consumer goods.....	4.8	5.2	7.9	5.1	6.9	5.1	3.7
Soft goods.....	3.2	6.4	2.3	7.4	7.0	5.6	5.4
Processed foods.....	6.7	3.9	14.7	2.6	6.8	4.5	1.8
Total industrial production.....	6.6	6.4	6.3	7.1	7.4	5.7	5.3

<sup>a</sup> The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

<sup>b</sup> Preliminary.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 7  
Official Communist Indexes of Gross Industrial Production <sup>a</sup>

	1960 = 100						Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
<b>COMMUNIST COUNTRIES</b>								
<b>USSR and Eastern Europe</b>								
USSR.....	100	151	164	180	195	209	8.6	8.5
<b>Eastern Europe</b>								
Bulgaria.....	100	174	195	221	244	272	11.7	11.8
Czechoslovakia.....	100	129	138	148	156	164	5.2	6.2
East Germany.....	100	132	141	150	159	173 <sup>c</sup>	5.7	7.0
Hungary.....	100	145	155	168	177	182	7.7	5.8
Poland.....	100	150	161	174	190	207	8.4	8.4
Romania.....	100	191	212	241	269	298 <sup>c</sup>	13.8	11.8
<b>Far East</b>								
North Korea.....	100	198	192	224	258	<i>N.A.</i>	14.6	9.2 <sup>d</sup>
North Vietnam.....	100	184	<i>N.A.</i>	<i>N.A.</i>	<i>N.A.</i>	<i>N.A.</i>	13.0	<i>N.A.</i>
<b>Other</b>								
Albania <sup>e</sup> .....	100	139	156	176	209 <sup>c</sup>	232 <sup>c</sup>	6.8	13.7

<sup>a</sup> These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes not only manufacturing, mining, and public utilities, as in most Western definitions of industry, but also certain other activities (varying from country to country).

<sup>b</sup> The base year is the year prior to the stated period.

<sup>c</sup> Estimated.

<sup>d</sup> Rate of growth for 1966-68.

<sup>e</sup> Socialized industry only.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE



Table 8

## Soviet State Budget

Billion New Rubles

Category	1960	1965	1966	1967	1968	1969		1970
	Actual	Actual	Actual	Actual	Actual	Plan	Actual	Plan
<b>Revenues</b>								
Social Sector.....	70.14	93.89	97.02	107.1	119.4	121.64	126.0	131.34
Turnover Tax.....	31.34	38.66	39.31	40.1	40.8	43.0	44.3	46.6
Profit Deductions.....	18.64	30.87	35.67	41.8	48.0	48.0	48.2	50.4
Taxes on Enterprises and Organizations.....	1.85	1.55	1.15	1.3	1.1	30.6	33.5	34.3
Social Insurance Receipts.....	3.74	5.56	6.00	6.5	7.2			
Residual.....	14.58	17.25	14.89	17.4	22.3			
Private Sector.....	6.94 <sup>a</sup>	8.43	9.27	10.1	11.4	12.46	12.5	13.6
State Taxes on the Population.....	5.60	7.70	8.44	9.3	10.5	11.5	11.7	12.7
State Loans.....	0.91 <sup>a</sup>	0.18	0.22	0.1	0.3	1.0	0.8	0.9
Local Taxes and Lottery Revenue.....	0.43	0.55	0.61	0.7	0.6			
Total.....	77.08 <sup>a</sup>	102.32	106.30	117.16	130.84	134.10	138.5	144.93
<b>Expenditures</b>								
Financing the National Economy.....	34.13	44.92	45.18	52.8	58.7	58.32	60.4	63.48
Industry and Construction.....	15.59	20.99	21.06	23.5	24.2	22.2	N.A.	23.9
Agriculture and Procurement.....	4.75	6.77	6.30	7.0	9.3	9.2	N.A.	9.5
Transport and Communications.....	2.81	2.83	2.61	2.6	2.7	2.6	N.A.	2.8
Trade.....	3.59	2.27	2.84	N.A.	N.A.	6.5	N.A.	6.1
Municipal Economy and Housing.....	3.22	4.23	4.53	5.0	5.2	4.9	N.A.	21.2
Other.....	4.17	7.83	7.83	N.A.	N.A.	12.9	N.A.	
Social-Cultural Measures.....	24.94	38.16	40.76	43.48	48.31	51.12	51.3	54.85
Education, Science, and Culture.....	10.31	17.51	18.73	20.09	21.85	23.2	23.2	24.5
Health and Physical Culture.....	4.84	6.67	7.10	7.45	8.14	8.4	8.5	9.2
Social Welfare.....	9.79	13.99	14.93	15.94	18.32	19.5	19.6	21.1
Administration.....	1.09	1.28	1.41	1.5	1.6	1.6	1.7	1.71
Defense.....	9.30	12.78	13.40	14.5	16.7	17.70	17.7	17.85
Loan Service.....	0.7	0.1	0.1	0.2	0.2	0.2 <sup>b</sup>	0.2 <sup>b</sup>	0.2 <sup>b</sup>
Reserve Funds of the Council of Ministers.....	0	0	0	0	3.05	4.96 <sup>b</sup>	5.8 <sup>b</sup>	6.56 <sup>b</sup>
Residual.....	2.97	4.38	4.73	2.76				
Total.....	73.13	101.62	105.58	115.24	128.56	133.90	137.1	144.66
Budget Surplus.....	3.95 <sup>a</sup>	0.70	0.72	1.92	2.28	0.20	1.4	0.27

<sup>a</sup> Including revenue from the savings deposits of the population.<sup>b</sup> Estimated.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 9

Soviet Gross Fixed Capital Investment, by Function and by Sector <sup>a</sup>Million New Rubles <sup>b</sup>

	1960	1965	1966	1967	1968	1969 <sup>c d</sup>
Total investment.....	35,914	48,733	52,339	56,701	61,309	63,800
By function <sup>e</sup>						
Construction.....	24,000	29,000	31,100	33,600	35,900	37,700
Equipment.....	9,700	16,300	17,200	18,600	20,300	20,800
Other capital outlays.....	2,200	3,400	4,100	4,500	5,100	5,300
By sector						
Industry <sup>f</sup>	12,673	17,676	18,288	19,509	21,070	21,600
Ferrous metallurgy.....	1,192	1,543	1,466	1,681	1,700 <sup>c</sup>	1,800
Chemicals.....	890	1,833	1,769	1,737	1,700 <sup>c</sup>	1,700
Fuels and power.....	3,739	5,690	6,026	6,222	N.A.	N.A.
Machine building.....	1,787	2,755	3,021	3,423	N.A.	N.A.
Construction materials.....	997	866	911	975	N.A.	N.A.
Consumer goods.....	1,945	2,295	2,531	2,678	2,890	3,100
Other.....	2,123	2,694	2,564	2,793	N.A.	N.A.
Construction industry.....	1,021	1,312	1,547	1,785	2,040	2,200
Agriculture.....	4,891	8,574	9,385	10,014	11,225	11,800
Housing.....	8,209	8,162	8,957	9,643	10,120	10,800
Transport and communications.....	3,428	4,845	5,002	5,227	5,420	5,600
Welfare services.....	5,692	8,164	9,160	10,523	11,434	11,800

<sup>a</sup> The data for 1960 and 1965-68 are from the Soviet statistical handbook *Narodnoye khozyaystvo SSSR* for 1967 and 1968. It should be noted that Soviet investment data are subject to frequent revision. In fact there is evidence that the data for 1968 have been altered to some degree (see *Vestnik statistiki*, no 2, 1970, p. 92-93). The evidence, however, is not sufficient to warrant presentation of a complete revision.

<sup>b</sup> Data are expressed in investment prices of 1 July 1955 adjusted to reflect subsequent introduction of the following changes: new unit valuations (1956), reduction of overhead cost norms (1958), reduction of equipment installation prices (1959), and reduction of prices for project-survey work and of unit valuations for some types of construction-installation work (1962).

<sup>c</sup> Estimated to the nearest hundred million rubles. The data were first estimated in prices of 1 January 1969 (the reporting prices for investment now in official use) and were then converted to prices of 1 July 1955 using estimated conversion ratios. When Soviet handbooks for 1969 and 1970 are published, they may show the old (1955) prices through 1970 (the end of the current five-year plan) or a new series for 1969 and 1970 in prices of 1 January 1969 linked to the old by a common year (1968 or 1969) or an entirely revised series in prices of 1 January 1969.

<sup>d</sup> Preliminary.

<sup>e</sup> Rounded to the nearest hundred million rubles.

<sup>f</sup> Excluding the construction industry. Investment figures for individual branches of industry have been estimated for 1968 and 1969.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 10

Soviet Stock of Fixed Capital, by Sector <sup>a</sup>Billion New Rubles <sup>b</sup>

	1960	1965	1966	1967	1968	1969 <sup>c</sup>
Total capital stock <sup>d</sup> .....	328	496	534	574	616	660
Industry.....	84	144	157	170	183	197
Ferrous metallurgy.....	8	15	17	18	19	20
Chemicals.....	4	12	13	15	16	17
Fuels and power.....	24	41	45	49	53	58
Machine building.....	17	28	30	33	36	39
Construction materials.....	5	9	10	11	11	12
Consumer goods.....	12	20	21	23	25	27
Other <sup>e</sup> .....	14	19	21	21	23	24
Construction industry.....	6	10	11	13	15	17
Agriculture <sup>d</sup> .....	44	62	66	71	76	81
Transport and communications.....	42	64	70	75	80	85
Housing.....	102	138	144	151	159	168
Services.....	50	78	86	94	103	112

<sup>a</sup> Value of stocks is estimated as of 1 July of the respective year.<sup>b</sup> In 1955 prices.<sup>c</sup> Preliminary.<sup>d</sup> Including the value of basic herds and draft animals.<sup>e</sup> Nonferrous metals; timber, woodworking, and paper; glass and porcelain; and miscellaneous other branches.ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## SECRET

Table 11

Drawings and Scheduled Repayments on Western Credits to the USSR <sup>a</sup>

Million US \$

Year	Estimated Drawings <sup>b</sup>	Scheduled Repayments <sup>c</sup>	Interest <sup>d</sup>	Net Credits	Outstanding at End of Year
1959 .....	60	12	0	48	48
1960 .....	125	37	2	86	136
1961 .....	165	70	6	89	231
1962 .....	180	106	10	64	305
1963 .....	140	130	14	-4	315
1964 .....	170	147	15	8	338
1965 .....	185	148	17	20	375
1966 .....	270	148	20	102	497
1967 .....	290	149	28	113	638
1968 .....	415	200	37	178	853
1969 .....	500	239	51	210	1,114

<sup>a</sup> There is no record that any credits were extended to the USSR by Western countries before 1959.

<sup>b</sup> Range of error of plus or minus 20% for 1959-62 and 10% for 1963-69.

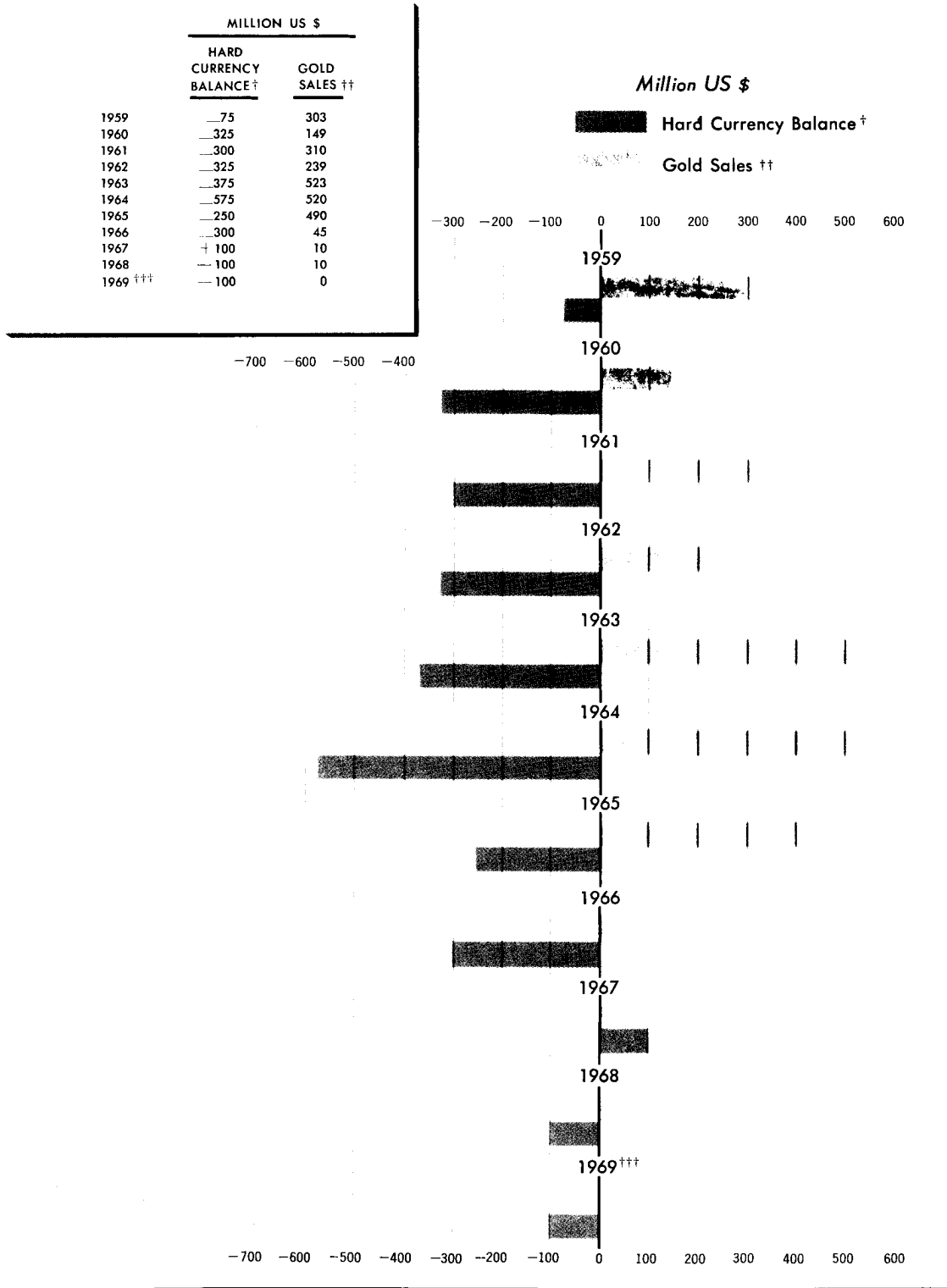
<sup>c</sup> Including downpayments.

<sup>d</sup> Interest computed at 5% on medium-term credits (five years or less) and at 6% on all long-term credits (more than five years) except the FIAT credit, which is computed at its announced rate of 5.75%.

**SECRET**

Figure 6

**SOVIET HARD CURRENCY BALANCE OF PAYMENTS**



† Hard currency balance is primarily a trade balance.  
 †† Based on a value of \$35 per troy ounce.  
 ††† Preliminary.

78269 6-70 CIA

**SECRET**

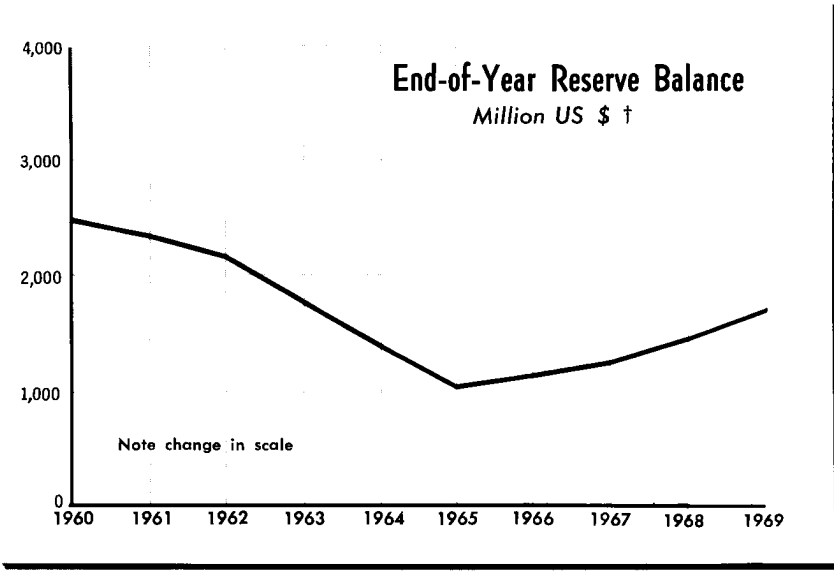
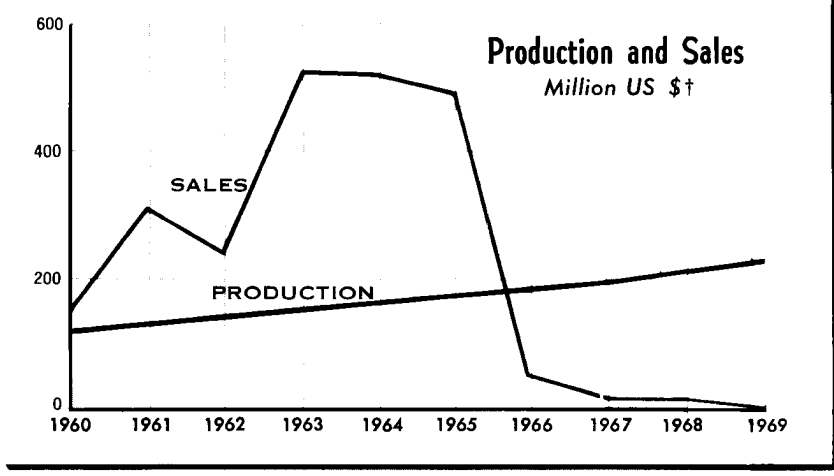


**SECRET**

Figure 7

## PRODUCTION, DISPOSITION, AND RESERVES OF GOLD IN THE USSR

	MILLION US \$ †									
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
PRODUCTION	124	133	143	153	164	176	188	200	207	219
NET CONSUMPTION	27	28	30	30	32	34	36	38	40	42
SALES	149	310	239	523	520	490	45	10	10	0
OTHER ADDITIONS AND WITHDRAWALS	0	0	0	0	0	0	0	-10	0	0
CHANGE IN RESERVES END - OF - YEAR	-52	-205	-126	-400	-388	-348	+107	+142	+157	+177
RESERVE BALANCE	2,475	2,270	2,144	1,744	1,356	1,008	1,115	1,257	1,414	1,591



† Based on a value of \$35 per troy ounce.

**SECRET**

## SECRET

Table 12

## Selected Economic Data for the US and the USSR

Product, Unit of Measure, and Country	1960	1965	1966	1967	1968	1969
Gross national product (billion 1968 US \$)						
United States.....	596.1*	755.1*	805.4*	824.9*	865.7*	890.3*
USSR <sup>a</sup> .....	272.0	360.2	384.6	410.2	434.1	448.0
Index of industrial production (1960=100)						
United States.....	100*	132*	144*	145*	152*	159*
USSR.....	100	138	148	159	168	177
Total population (midyear population in millions)						
United States.....	180.7*	194.6*	196.9*	199.1*	201.2*	203.2*
USSR.....	214.2*	230.6*	233.1*	235.6*	237.8*	240.2*
Electric power (gross), (billion kilowatt-hours)						
United States.....	894*	1,230*	1,328*	1,399*	1,526*	1,649*
USSR.....	292*	507*	545*	588*	639*	689*
Primary energy (million metric tons of coal equivalents <sup>b</sup> )						
United States.....	1,429*	1,719*	1,814*	1,860*	1,946*	2,007*
USSR.....	663*	942*	1,006*	1,063*	1,112*	1,168*
Passenger automobiles (thousand units)						
United States <sup>c</sup> .....	6,675*	9,306*	8,598*	7,437*	8,822*	8,224*
USSR.....	139*	201*	230*	251*	280*	294*
Crude steel (million metric tons)						
United States.....	90.1*	119.3*	121.7*	115.4*	119.3*	128.0*
USSR.....	65.3*	91.0*	96.9*	102.2*	106.5*	110.0*
Grain (million metric tons)						
United States <sup>d</sup> .....	181*	183*	183*	206*	201*	196*
USSR <sup>e</sup> .....	93*	100*	140*	122*	135*	128*
Meat <sup>f</sup> (million metric tons)						
United States <sup>g</sup> .....	12.8*	14.3*	14.8*	15.5*	16.0*	16.0*
USSR <sup>h</sup> .....	7.4*	8.8*	9.4*	10.1*	10.2*	9.8*
Synthetic fibers (thousand metric tons)						
United States.....	307*	806*	938*	1,058*	1,457*	1,581*
USSR.....	15.0*	77.5*	96.3*	115.8*	129.8*	142.4*
Domestic transport performance (billion metric ton-kilometers)						
United States.....	2,370*	2,810*	2,970*	3,000*	3,110*	3,260*
USSR.....	1,790*	2,420*	2,520*	2,710*	2,890*	3,020*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Data are for factory sales and include complete units exported for assembly.

<sup>d</sup> Excluding corn silage and forage but including sorghum for grain.

<sup>e</sup> Including miscellaneous grains and pulses.

<sup>f</sup> Data are on a carcass weight, bone-in basis.

<sup>g</sup> Excluding slaughter fats, poultry, rabbit, and variety meats.

<sup>h</sup> Including slaughter fats, poultry, and edible offal.



## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 13  
Factors of Consumption for the US and the USSR

	1960	1965	1968	1969
<b>Food</b>				
Grain production <sup>a</sup> (million metric tons)				
United States <sup>b</sup> .....	181	183	201	196
USSR <sup>c</sup> .....	93	100	135	128
Meat production <sup>d</sup> (million metric tons)				
United States <sup>e</sup> .....	12.8	14.3	16.0	16.0
USSR <sup>f</sup> .....	7.4	8.8	10.2	9.8
Persons supplied per farm worker				
United States.....	25	35	43	44
USSR.....	5	5	6	6
<b>Housing</b>				
Housing construction (million square meters)				
United States.....	144	158	158	150
USSR.....	110	98	102	102
Per capita housing construction (square meters)				
United States.....	0.80	0.81	0.79	0.74
USSR.....	0.51	0.42	0.43	0.42
<b>Transportation</b>				
Automobile production (thousand units)				
United States <sup>g</sup> .....	6,675	9,306	8,822	8,224
USSR.....	139	201	280	294
Automobiles in use (thousand units)				
United States <sup>h</sup> .....	61,682	75,251	83,693	86,560
USSR <sup>i</sup> .....	800	1,160	1,430	1,540
<b>Communications</b>				
Television receivers in use <sup>j</sup> (million units)				
United States.....	56	71	85	88
USSR.....	4.8	16	27	31
Radio receivers in use <sup>j</sup> (million units)				
United States.....	168	242	301	325
USSR.....	28	38	44	47
<b>Household equipment</b>				
Washing machine production (thousand units)				
United States.....	3,274	4,347	4,520	4,422
USSR.....	895	3,430	4,700	5,200
Washing machines in use <sup>k</sup> (units per thousand persons)				
United States <sup>l</sup> .....	236	255	284	289
USSR.....	10 <sup>l</sup>	29 <sup>l</sup>	47	58
Refrigerator production (thousand units)				
United States.....	3,475	4,930	5,150	5,630
USSR.....	529	1,675	3,155	3,700
Refrigerators in use <sup>k</sup> (units per thousand persons)				
United States <sup>l</sup> .....	279	292	301	304
USSR.....	13 <sup>l</sup>	59 <sup>l</sup>	89	106

<sup>a</sup> The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

<sup>b</sup> Excluding corn silage and forage but including sorghum for grain.

<sup>c</sup> Including miscellaneous grains and pulses.

<sup>d</sup> Data are on a carcass weight, bone-in basis.

<sup>e</sup> Excluding slaughter fats, poultry, rabbit, and variety meats.

<sup>f</sup> Including slaughter fats, poultry, and edible offal.

<sup>g</sup> Data are for factory sales and include complete units exported for assembly.

<sup>h</sup> As of the end of the registration year.

<sup>i</sup> Based on data for production, imports, exports, and estimated retirements.

<sup>j</sup> As of the end of the year.

<sup>k</sup> Unless otherwise indicated, data are as of the beginning of the year.

<sup>l</sup> Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

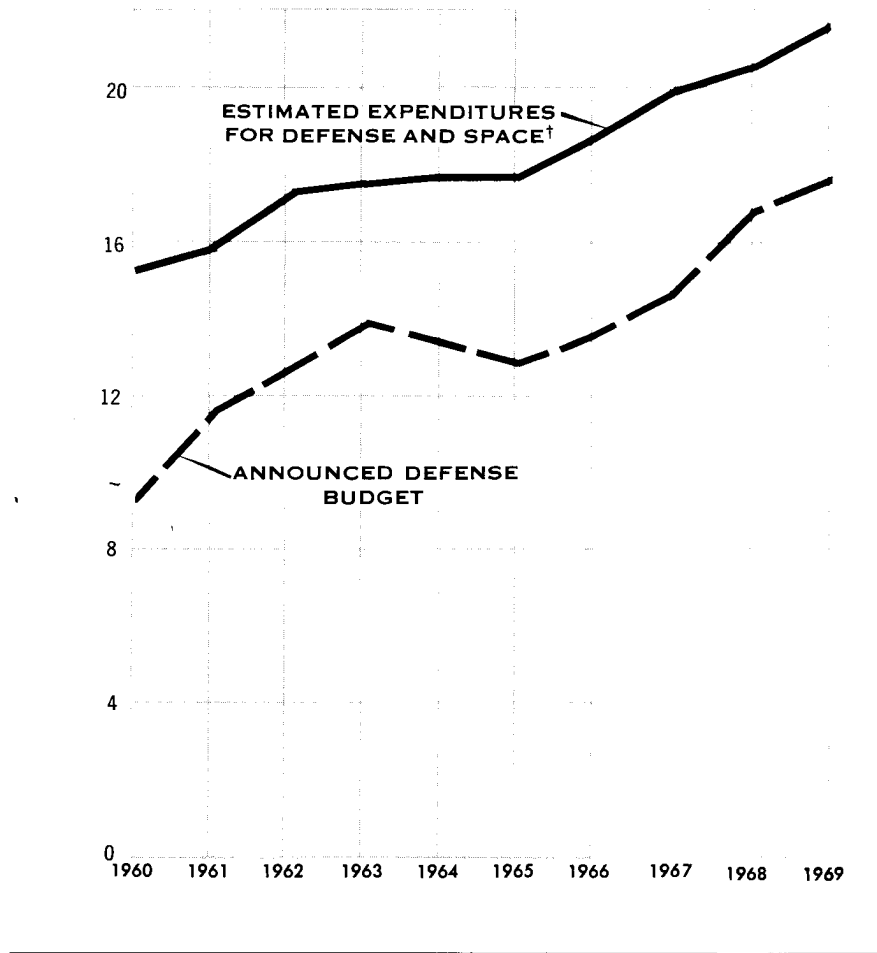
**SECRET**

Figure 8

## ESTIMATED SOVIET EXPENDITURES FOR DEFENSE AND SPACE

	BILLION NEW RUBLES										
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	
ESTIMATED EXPENDITURES FOR DEFENSE AND SPACE†	14.7	15.7	17.2	17.4	17.6	17.6	18.7	19.9	20.6	21.6	
ANNOUNCED DEFENSE BUDGET	9.3	11.6	12.6	13.9	13.3	12.8	13.4	14.5	16.7	17.7	

*Billion  
New Rubles*



† In 1955 prices.

**SECRET**



Table 16

Estimated Soviet Expenditures for Defense and Space,<sup>a</sup> by MissionBillion New Rubles <sup>b</sup>

	1960	1965	1966	1967	1968	1969
Mission						
Strategic attack.....	2.5	2.4	2.9	3.2	3.1	3.2
Strategic defense.....	2.0	1.6	1.8	1.9	2.1	2.1
Ground <sup>c</sup> .....	2.9	3.3	3.3	3.4	3.4	3.5
Naval <sup>d</sup> .....	1.5	1.7	1.8	1.8	1.9	1.9
Military transport aviation.....	0.6	0.6	0.6	0.6	0.6	0.6
RDTE&S <sup>e</sup> .....	2.6	5.0	5.4	5.9	6.3	7.0
Command and general support <sup>f</sup> .....	2.6	2.9	3.0	3.1	3.2	3.2
Total military expenditures.....	14.7	17.6	18.7	19.9	20.6	21.6
Of which:						
Military machinery.....	8.5	10.9	11.9	12.9	13.4	14.2

<sup>a</sup> These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1969 permitted.

<sup>b</sup> In 1955 prices.

<sup>c</sup> Including expenditures for tactical aviation.

<sup>d</sup> Including expenditures for naval aviation.

<sup>e</sup> Expenditures for research, development, test, and evaluation for all military and nuclear energy programs as well as all expenditures for military and civilian space programs. These data include personnel costs for military personnel associated with RDTE&S programs. The estimates in this table are derived from analysis of published Soviet financial data and do not represent detailed calculations of the estimated magnitude and cost of individual programs.

<sup>f</sup> Expenditures for reserve training, militarized security forces, retirement pay, and paramilitary training, in addition to command and support for the active military establishment.

Table 17

Estimated Soviet Expenditures for Defense and Space, by Category of Expenditures <sup>a</sup>Billion New Rubles <sup>b</sup>

	1960	1965	1966	1967	1968	1969
Investment.....	5.5	4.9	5.5	5.9	5.8	5.8
Procurement.....	5.0	4.5	5.0	5.5	5.4	5.4
Land armaments and ammunition.....	0.3	0.3	0.4	0.4	0.4	0.4
Naval ships and boats.....	0.5	0.5	0.5	0.6	0.7	0.8
Aircraft.....	0.9	0.8	0.8	0.7	0.8	0.7
Missile systems.....	1.4	1.1	1.7	1.9	1.7	1.7
Electronic equipment.....	0.6	0.3	0.3	0.3	0.3	0.3
Nuclear weapons.....	0.7	1.0	0.8	0.9	0.8	0.8
Other.....	0.6	0.6	0.6	0.6	0.6	0.6
Facilities.....	0.5	0.4	0.5	0.4	0.4	0.4
Operating expenditures.....	6.8	7.9	8.0	8.3	8.7	9.0
Personnel.....	4.2	4.6	4.7	4.9	5.1	5.1
Operation and maintenance.....	2.6	3.3	3.3	3.5	3.7	3.8
RDTE&S <sup>c</sup> .....	2.4	4.8	5.2	5.7	6.1	6.8
Total.....	14.7	17.6	18.7	19.9	20.6	21.6

<sup>a</sup> These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, military and nuclear research and development activities, and all space programs but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1969 permitted.

<sup>b</sup> In 1955 prices.

<sup>c</sup> Excluding military personnel related costs and therefore differing slightly from the RDTE&S data shown in the preceding table.

Table 18

Construction of Naval Ships, by Type, in the Communist Countries

		Units					
Class		1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>							
<b>USSR</b>							
Submarines							
Attack							
Nuclear	N, C, or V	2	1	1	2	4	3
Diesel	F, Q, W, Z, or B	6	5	6	2	3	1
Ballistic missile							
Nuclear		3 <sup>a</sup>			1 <sup>b</sup>	5 <sup>b</sup>	5 <sup>b</sup>
Diesel	G	7					
Cruise missile							
Nuclear	E-I and E-II	2	6	4	1		
Diesel	J		2	2	2	2	
Helicopter carrier	Moskva				1		1
Destroyers							
Guided missile	Kashin, Kildin, Kotlin, Krupnyy, Kynda, and Kresta	3	4	3	4	5	4
Guided missile motorboats	Osa, Komar, and Nanuchka	40	20	20	18	18	20
Patrol craft	Mirka, Petya, Poti, SO-1, and Grisha	26	22	21	24	22	29
Patrol craft	MO-VI, P-6, P-10, Shershen, Pehela, and Stenka	35	13	18	18	14	16
Mine ships	Sasha, T-58, Vanya, Yurka, and Alesha	11	18	18	18	16	15
Auxiliaries	Don, Dnepr, EX-T-58, Lama, Prut, Uda, Ugra, and Luza	3	4	3	3	2	3
Amphibious	Alligator, MP-8, MP-10, MP-SMB-1, and Vydra	33	6	3	14	28	22
East Germany							
Patrol craft	Forelle, Hai I, Hai II, Hai III, and Iltis		19	18			
Mine ships	Kondor				1	1	10
Auxiliaries	Syra						2
Poland							
Patrol craft	Gdansk, Oksywie, and OP-301	5	1	3 <sup>c</sup>	3 <sup>c</sup>	1 <sup>c</sup>	
Mine ships	Krogulec, T-43, and TR-40	11	1	2	5		
Auxiliaries	N. Zubov, Oskol, Samara, Moma, and Amur		9	7		4	7
Amphibious	Polnoeny and Maribut		14	16	17	10	11
Communist China							
Submarines	R, W, and G	1	2	2	2		3
Destroyer escort	Kiangnan			2	2	1	
Guided missile motorboats	Osa and Komar		3	3	1	2	3
Patrol craft	Hainan		1		1	1	2
Patrol craft	Torpedo boats (PT) and motor gunboats (PGM)	28	42	93	75	50	75
Mine ships	T-43	2	2	4		1	2
Auxiliaries <sup>d</sup>			9	13	10	8	11
Amphibious	LCM and LCT	30	25	45	30	20	50

<sup>a</sup> H class.<sup>b</sup> Y class.<sup>c</sup> Shershen and Obluze classes.<sup>d</sup> More than 150 feet.

SECRET

SECRET

Table 19

Production of Military Aircraft, by Type, in the United States and the Communist Countries

Units

	Bombers <sup>a</sup>		Fighters <sup>a</sup>		Transports		Other <sup>b</sup>	
	1968	1969	1968	1969	1968	1969	1968	1969
United States <sup>c</sup> .....	2	7	1,307 <sup>d</sup>	1,075 <sup>d</sup>	49	44	3,514	2,882
Communist Countries <sup>e</sup> .....	44	31	1,300	1,200	150	150	950	630
USSR and Eastern Europe.....	43	25	1,100	860	130	150	730	480
USSR.....	43	25	1,100	860	80	110	220	240
Eastern Europe.....	0	0	0	0	50	40	510	240
Czechoslovakia.....	0	0	0	0	0	0	440	150
Poland.....	0	0	0	0	50	40	70	90
Far East.....	1	6	180	360	20	0	220	150
Communist China.....	1	6	180	360	20	0	220	150

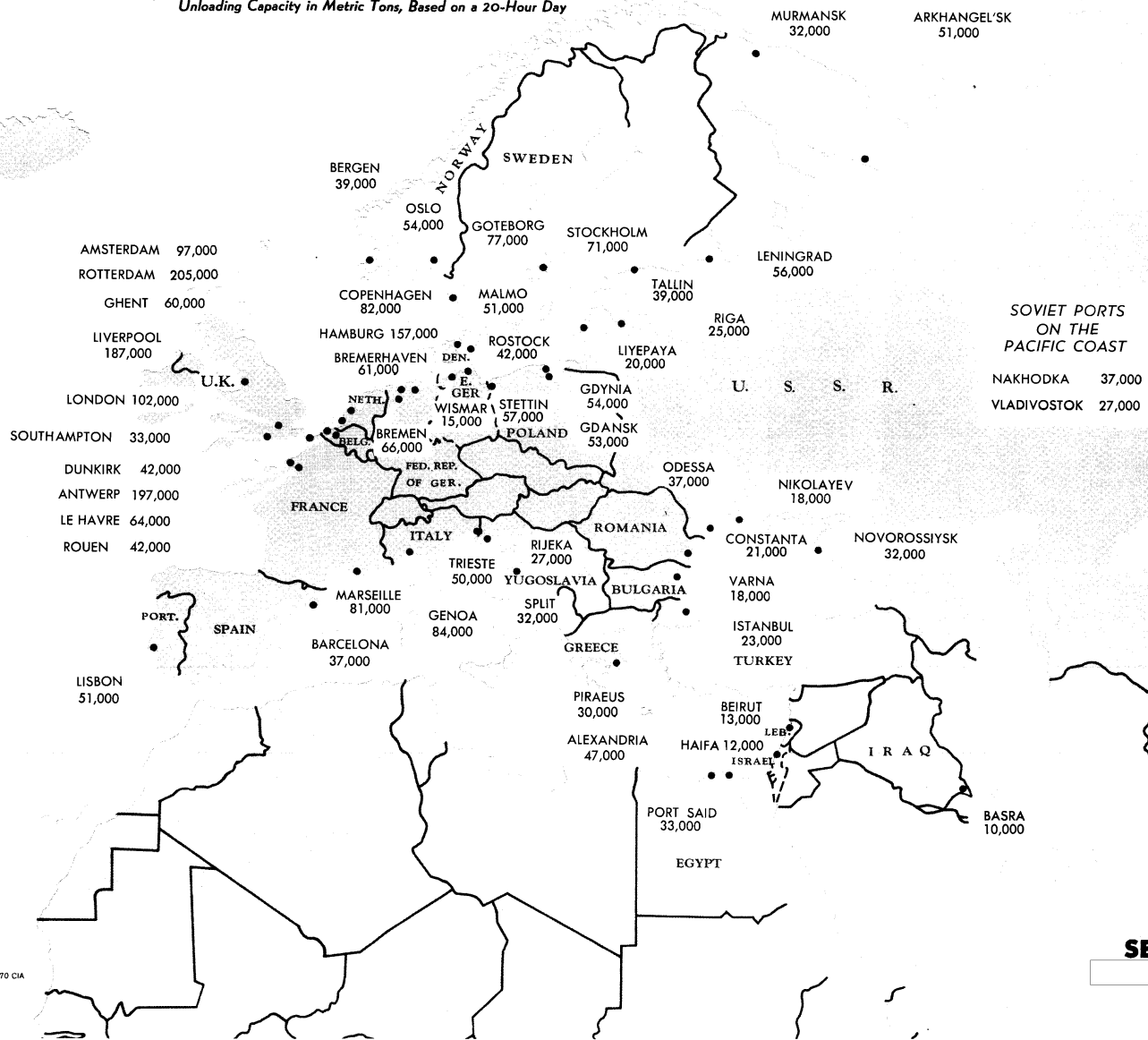
<sup>a</sup> Including reconnaissance aircraft.<sup>b</sup> Data are for trainers, helicopters, and antisubmarine warfare, warning, utility, and reconnaissance aircraft.<sup>c</sup> Data are official military acceptances.<sup>d</sup> Including attack aircraft.<sup>e</sup> Data are estimated and rounded to two significant digits.

**SECRET**

Figure 9

### MILITARY CAPACITIES OF SELECTED PORTS

*Unloading Capacity in Metric Tons, Based on a 20-Hour Day*



78272 6-70 CIA

**SECRET**

25X1



Sanitized Copy Approved for Release 2011/01/11 : CIA-RDP07-00617R000100170001-3  
**POPULATION AND  
COUNTRY TABLES**

Table 20  
Estimated and Projected Population

Million Persons at Midyear

	1960	1965	1969	1970	1971	1972	1973	1974	1975	1980	1985
<b>NATO COUNTRIES</b> .....	<b>476</b>	<b>508</b>	<b>529</b>	<b>534</b>	<b>540</b>	<b>546</b>	<b>552</b>	<b>558</b>	<b>565</b>	<b>599</b>	<b>636</b>
United States.....	180.7	194.6	203.2	205.4	207.8	210.4	213.1	215.8	218.7	234.4	252.1
Other NATO.....	<b>295.2</b>	<b>313.2</b>	<b>325.8</b>	<b>329.1</b>	<b>332.4</b>	<b>335.7</b>	<b>339.2</b>	<b>342.6</b>	<b>346.1</b>	<b>364.4</b>	<b>384.1</b>
Belgium.....	9.2	9.5	9.7	9.7	9.8	9.9	9.9	10.0	10.0	10.4	10.7
Canada.....	17.9	19.6	21.1	21.5	21.9	22.3	22.7	23.1	23.5	25.8	28.2
Denmark.....	4.6	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.3	5.6
France.....	45.7	48.8	50.3	50.7	51.2	51.6	52.0	52.4	52.8	55.0	57.2
West Germany.....	53.2	56.8	58.7	59.2	59.7	60.2	60.6	61.1	61.6	64.2	66.8
West Berlin.....	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Greece.....	8.3	8.6	8.9	8.9	9.0	9.1	9.1	9.2	9.3	9.6	9.9
Iceland.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Italy.....	49.6	51.6	53.2	53.6	54.0	54.4	54.8	55.2	55.6	57.8	60.0
Luxembourg.....	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Netherlands.....	11.5	12.3	12.9	13.0	13.2	13.3	13.5	13.6	13.8	14.5	15.3
Norway.....	3.6	3.7	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.2	4.4
Portugal.....	8.9	9.2	9.6	9.7	9.8	9.8	9.9	10.0	10.1	10.6	11.1
Turkey.....	27.5	31.2	34.4	35.2	36.1	37.0	37.9	38.9	39.8	45.1	51.0
United Kingdom.....	52.6	54.5	55.7	56.0	56.3	56.6	56.9	57.3	57.6	59.3	61.2
<b>COMMUNIST COUNTRIES</b> .....	<b>1,051</b>	<b>1,145</b>	<b>1,232</b>	<b>1,255</b>	<b>1,278</b>	<b>1,302</b>	<b>1,327</b>	<b>1,352</b>	<b>1,379</b>	<b>1,521</b>	<b>1,680</b>
USSR and Eastern Europe...	<b>311</b>	<b>331</b>	<b>343</b>	<b>346</b>	<b>349</b>	<b>352</b>	<b>356</b>	<b>359</b>	<b>362</b>	<b>379</b>	<b>397</b>
USSR.....	214.2	230.6	240.2	242.5	244.9	247.3	249.7	252.1	254.6	267.5	281.4
Eastern Europe.....	<b>96.5</b>	<b>100.1</b>	<b>102.8</b>	<b>103.6</b>	<b>104.3</b>	<b>105.1</b>	<b>105.9</b>	<b>106.7</b>	<b>107.5</b>	<b>111.6</b>	<b>115.5</b>
Bulgaria.....	7.9	8.2	8.4	8.5	8.6	8.6	8.7	8.8	8.8	9.1	9.3
Czechoslovakia.....	13.7	14.2	14.4	14.5	14.6	14.6	14.7	14.8	14.8	15.2	15.4
East Germany.....	17.1	17.0	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.4	17.6
Hungary.....	10.0	10.1	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.7	10.8
Poland.....	29.6	31.5	32.6	32.8	33.1	33.4	33.7	34.1	34.4	36.2	37.9
Romania.....	18.4	19.0	20.0	20.3	20.6	20.8	21.1	21.4	21.7	23.1	24.4
Far East.....	<b>713</b>	<b>785</b>	<b>858</b>	<b>877</b>	<b>897</b>	<b>917</b>	<b>938</b>	<b>960</b>	<b>982</b>	<b>1,105</b>	<b>1,244</b>
Communist China.....	686	755	824	843	862	881	902	922	944	1,061	1,195
North Korea.....	10.6	12.2	13.8	14.2	14.6	15.0	15.4	15.8	16.3	18.8	21.8
North Vietnam.....	16.0	18.1	19.7	20.1	20.5	21.0	21.4	21.8	22.2	24.5	27.2
Other.....	<b>27.5</b>	<b>29.7</b>	<b>31.3</b>	<b>31.7</b>	<b>32.2</b>	<b>32.6</b>	<b>33.1</b>	<b>33.5</b>	<b>34.0</b>	<b>36.6</b>	<b>39.5</b>
Albania.....	1.6	1.9	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.8	3.3
Cuba.....	6.5	7.2	7.7	7.8	7.9	8.0	8.1	8.3	8.4	9.2	10.3
Mongolia.....	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.8	2.1
Yugoslavia.....	18.4	19.5	20.4	20.6	20.8	21.0	21.2	21.5	21.7	22.8	23.9

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

## ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 21

Labor Force <sup>a</sup> in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	72.1	77.2	78.9	80.8	82.3	84.2
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	157	170	172	176	178	180
USSR <sup>c</sup> .....	108.6	119.9	121.2	124.6	125.8	127.2
Eastern Europe.....	48.1	50.1	50.7	51.3	51.9	52.4
Bulgaria.....	4.20	4.26	4.28	4.32	4.35	4.38
Czechoslovakia.....	6.40	6.79	6.92	6.99	7.06	7.13
East Germany.....	8.53	8.37	8.38	8.41	8.40	8.41
Hungary.....	4.87	4.99	5.05	5.09	5.12	5.16
Poland.....	14.13	15.40	15.68	16.01	16.31	16.61
Romania.....	9.99	10.27	10.38	10.51	10.62	10.74
<b>Far East</b>						
Communist China <sup>d</sup> .....	307	328	335	N.A.	N.A.	N.A.
North Korea <sup>d</sup> .....	4.6	5.3	5.4	5.5	5.6	5.7
North Vietnam <sup>d</sup> .....	8.2	9.4	9.5	9.6	9.6	9.6
<b>Other</b>						
Albania.....	0.73	0.82	0.84	0.87	0.89	0.91
Yugoslavia.....	8.32	8.88	8.99	9.08	9.21	9.35

<sup>a</sup> Unless otherwise indicated, data include the armed forces and the unemployed.<sup>b</sup> Annual averages of monthly data.<sup>c</sup> Excluding militarized security forces.<sup>d</sup> Excluding the armed forces.

Table 22

Nonagricultural Labor Force <sup>a</sup> in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	60.3	66.7	68.9	70.5	72.1	74.3
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	91.5	108	112	115	119	122
USSR <sup>c</sup> .....	64.0	76.8	79.5	82.2	85.0	87.0
Eastern Europe.....	27.5	31.5	32.3	33.1	33.8	34.6
Bulgaria.....	1.96	2.34	2.42	2.47	2.52	2.57
Czechoslovakia.....	4.70	5.33	5.47	5.57	5.66	5.78
East Germany.....	6.93	7.02	7.06	7.12	7.15	7.19
Hungary.....	3.04	3.47	3.53	3.57	3.62	3.68
Poland.....	7.47	9.04	9.37	9.74	10.08	10.43
Romania.....	3.43	4.31	4.49	4.65	4.80	4.95
<b>Far East</b>						
Communist China <sup>d</sup> .....	53	47	48	N.A.	N.A.	N.A.
North Korea <sup>d</sup> .....	2.1	2.6	2.7	2.8	2.8	2.9
North Vietnam <sup>d</sup> .....	1.8	2.4	2.5	2.7	2.8	2.8
<b>Other</b>						
Albania.....	0.22	0.28	0.30	0.32	0.34	0.36
Yugoslavia.....	3.59	4.32	4.45	4.57	4.73	4.88

<sup>a</sup> Unless otherwise indicated, data include the armed forces.<sup>b</sup> Civilian employment. The data are annual averages of monthly data that exclude the armed forces.<sup>c</sup> Excluding militarized security forces.<sup>d</sup> Excluding the armed forces.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 23

Agricultural Labor Force<sup>a</sup> in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	5.46	4.36	3.98	3.84	3.82	3.61
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	<b>65.2</b>	<b>61.7</b>	<b>60.1</b>	<b>60.6</b>	<b>58.8</b>	<b>58.0</b>
USSR <sup>c</sup> .....	44.6	43.1	41.7	42.4	40.8	40.2
Eastern Europe.....	<b>20.6</b>	<b>18.6</b>	<b>18.4</b>	<b>18.2</b>	<b>18.0</b>	<b>17.8</b>
Bulgaria.....	2.24	1.93	1.87	1.85	1.83	1.80
Czechoslovakia.....	1.70	1.46	1.45	1.42	1.40	1.36
East Germany.....	1.60	1.35	1.32	1.29	1.25	1.22
Hungary.....	1.83	1.52	1.52	1.51	1.50	1.48
Poland.....	6.66	6.36	6.32	6.27	6.22	6.18
Romania.....	6.57	5.96	5.90	5.85	5.82	5.79
Far East						
Communist China.....	254	281	287	N.A.	N.A.	N.A.
North Korea.....	2.5	2.7	2.7	2.7	2.8	2.8
North Vietnam.....	6.4	7.0	7.0	6.9	6.8	6.8
Other						
Albania.....	0.51	0.54	0.55	0.55	0.55	0.55
Yugoslavia.....	4.73	4.57	4.54	4.50	4.49	4.47

<sup>a</sup> Excluding the armed forces.

<sup>b</sup> Annual averages of monthly data. Data are for civilian employment and differ from those presented in Figure 19. Data in Figure 19 are for farm employment and include farm operators doing one or more hours of farm work and members of their families working 15 hours or more during the survey week without cash wages. Data in Figure 19 are based on a survey of farm payrolls conducted by the US Department of Agriculture. Data for the agricultural labor force are based on a household survey of the entire population conducted by the US Bureau of the Census. Data in Figure 19 are a more comprehensive count of agricultural employment and are considered to be more comparable to data presented for the USSR, whereas data in this table are considered to be more comparable to data presented for the Communist countries as a whole.

<sup>c</sup> Excluding militarized security forces.

Table 24

## United States: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product.....	Billion 1968 US \$.....	596	755	805	825	866	890
Index of industrial production.....	1960=100.....	100	132	144	145	152	159
Total population (midyear).....	Million persons.....	181	195	197	199	201	203
Labor force <sup>a</sup> .....	Million persons.....	72.1	77.2	78.9	80.8	82.3	84.2
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )..	Billion metric tons.....	1.43	1.72	1.81	1.92	1.95	2.01
Electric power (gross).....	Trillion kilowatt-hours.....	0.89	1.23	1.33	1.40	1.53	1.65
Crude oil.....	Million metric tons.....	348	385	409	435	450	455
<b>Minerals and metals</b>							
Crude steel <sup>c</sup> .....	Million metric tons.....	90.1	119	122	115	119	128
Rolled steel.....	Million metric tons.....	69.4	90.1	90.0	84.4	89.9	N.A.
Refined copper <sup>d</sup> .....	Million metric tons.....	1.64	1.96	2.00	1.40	1.68	2.03
Primary aluminum.....	Million metric tons.....	1.83	2.50	2.69	2.97	2.95	3.44
<b>Agriculture</b>							
Grain <sup>e</sup> .....	Million metric tons.....	181	183	183	206	201	196
Meat <sup>f</sup> .....	Million metric tons.....	12.8	14.3	14.8	15.5	16.0	16.0
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	16.2	22.5	25.8	26.1	25.7	26.1
Mineral fertilizer (nutrients) <sup>g</sup> .....	Million metric tons.....	7.41	11.9	13.1	13.9	14.2	14.1
Cotton fabrics.....	Billion linear meters.....	8.56	8.47	8.11	7.56	6.77	6.55
Rayon and acetate fabrics.....	Billion linear meters.....	1.31	1.62	1.50	1.48	1.60	1.55
Metalcutting machine tools.....	Thousand units.....	42.9	68.0	80.7	86.0	70.5	65.4
Cement.....	Million metric tons.....	56.1	65.1	67.1	64.4	68.8	67.4
Passenger automobiles <sup>h</sup> .....	Million units.....	6.67	9.31	8.60	7.44	8.82	8.22
Semiconductors <sup>i</sup> .....	Billion units.....	0.31	1.52	2.19	2.07	2.43	3.12
Radio receivers.....	Million units.....	18.0	25.7	25.3	23.2	24.5	22.4
Television receivers.....	Million units.....	5.83	11.0	12.4	10.9	11.8	11.3
<b>Trade</b>							
Imports (f.o.b.).....	Billion US \$.....	15.1	21.4	25.6	26.9	33.2	36.1
Exports (f.o.b.) <sup>j</sup> .....	Billion US \$.....	20.6	27.5	30.4	31.6	34.6	38.0

<sup>a</sup> Including the armed forces and the unemployed. Data are annual averages of monthly data.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Excluding steel for castings made in foundries operated by companies not producing ingots.

<sup>d</sup> Including production from secondary plants and copper refined by manufacturers for their own use.

<sup>e</sup> Data are for barley, corn (excluding silage and forage), oats, rice, rye, sorghum for grain, and wheat.

<sup>f</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat.

<sup>g</sup> Data are for "fertilizer years" beginning 1 July of the stated year.

<sup>h</sup> Factory sales.

<sup>i</sup> Semiconductor diodes, rectifiers, and transistors.

<sup>j</sup> Including military grant-aid but excluding reexports.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 25

## European NATO: Summary of Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a b</sup>	Billion 1968 US \$	440	560	580	600	630	660
Total population (midyear) <sup>b</sup>	Million persons	277	294	297	299	302	305
<b>Fuels and power</b>							
Primary energy (coal equivalents) <sup>c</sup>	Million metric tons	578	603	589	576	577	591
Electric power (gross)	Billion kilowatt-hours	463	674	706	742	805	866
Hard coal	Million metric tons	436	414	388	366	348	338
Brown coal and lignite	Million metric tons	106	116	112	112	117	124
Crude oil	Million metric tons	12.0	17.1	17.0	17.5	17.5	17.6
<b>Minerals and metals</b>							
Crude steel <sup>d</sup>	Million metric tons	98.6	115	112	116	127	137
Pig iron	Million metric tons	70.9	82.2	79.1	82.8	90.5	97.7
Iron ore <sup>d</sup>	Million metric tons	110	94.9	88.1	81.5	89.0	86.7
Refined copper <sup>d</sup>	Million metric tons	0.83	0.93	0.91	0.91	1.02	0.98
Primary aluminum <sup>d</sup>	Million metric tons	0.69	1.01	1.10	1.14	1.27	1.31
<b>Agriculture</b>							
Grain <sup>e</sup>	Million metric tons	82.9	96.5	95.2	108	107	108
Potatoes	Million metric tons	63.6	50.1	50.2	55.1	52.0	45.9
Meat <sup>f</sup>	Million metric tons	10.8	12.5	12.8	12.7	13.2	12.8
Cattle (beginning of year) <sup>g</sup>	Million head	78.0	81.1	83.2	84.9	85.4	86.2
<b>Manufactured items</b>							
Sulfuric acid (100%) <sup>d</sup>	Million metric tons	13.3	16.5	16.8	17.3 <sup>h</sup>	18.3 <sup>h</sup>	18.8 <sup>h</sup>
Mineral fertilizer (nutrients) <sup>i</sup>	Million metric tons	10.8	14.0	14.4	15.2	N.A.	N.A.
Cement <sup>d</sup>	Million metric tons	82.7	115	120	124	131	139
Tractors	Thousand units	403	436	433	408	423	426
Passenger automobiles <sup>d</sup>	Million units	4.92	7.13	7.68	7.25	8.21	8.80
Radio receivers	Million units	11.4	11.0	11.6	10.8	13.4	N.A.
Television receivers	Million units	6.20	7.28	6.78	6.12	8.05	N.A.
<b>Transportation</b>							
Railroad freight traffic	Billion ton-kilometers	174	183	181	177	184	196

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Including data for West Berlin.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Including data for West Berlin beginning in 1965.<sup>e</sup> Data are for barley, corn, oats, rice, rye, and wheat where they are produced.<sup>f</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.<sup>g</sup> Including data for the Faeroe Islands and Greenland.<sup>h</sup> Excluding data for Greece.<sup>i</sup> Data are for "fertilizer years"—in general, beginning 1 July of the stated year.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 26

## France: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup>	Billion 1968 US \$	93.6	124	131	137	143	155
Index of industrial production	1960 = 100	100	128	137	141	148	167
Total population (midyear)	Million persons	45.7	48.8	49.2	49.6	49.9	50.3
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )	Million metric tons	86.2	90.0	92.1	86.7	83.3	86.1
Electric power (gross)	Billion kilowatt-hours	75.0	106	110	116	123	137
Crude oil	Million metric tons	1.98	2.99	2.93	2.83	2.69	2.50
<b>Minerals and metals</b>							
Crude steel	Million metric tons	17.3	19.6	19.6	19.7	20.4	22.5
Rolled steel	Million metric tons	13.7	15.7	15.8	15.8	16.4	N.A.
Refined copper	Thousand metric tons	40.2	41.1	42.7	37.0	36.5	37.0
Primary aluminum	Thousand metric tons	238	340	364	361	366	371
<b>Agriculture</b>							
Grain <sup>c</sup>	Million metric tons	22.8	28.6	26.1	31.0	32.3	32.2
Meat <sup>d</sup>	Million metric tons	2.61	3.24	3.33	2.98	3.07	2.90
<b>Manufactured items</b>							
Sulfuric acid (100%)	Million metric tons	2.05	2.92	3.07	3.23	3.34	3.54
Mineral fertilizer (nutrients) <sup>e</sup>	Million metric tons	3.02	4.16	4.39	4.52	N.A.	N.A.
Synthetic fibers	Thousand metric tons	45.3	87.1	109	110	132	156
Cement	Million metric tons	14.3	22.4	23.4	24.8	25.6	27.7
Passenger automobiles	Million units	1.14	1.37	1.76	1.75	1.83	2.14
Radio receivers	Million units	2.21	2.30	2.40	2.26	2.60	N.A.
Television receivers	Million units	0.66	1.25	1.35	1.30	1.46	N.A.
<b>Trade</b>							
Imports (c.i.f.)	Billion US \$	6.28	10.3	11.8	12.4	13.9	17.4
Exports (f.o.b.)	Billion US \$	6.86	10.1	10.9	11.4	12.7	15.0

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>c</sup> Data are for barley, corn, oats, rice, rye, and wheat.<sup>d</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.<sup>e</sup> Data are for "fertilizer years" beginning 1 July of the stated year.

Table 27

## Italy: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	57.3	73.7	78.1	83.1	87.9	92.3
Index of industrial production.....	1960 = 100.....	100	140	156	169	180	185
Total population (midyear).....	Million persons.....	49.6	51.6	52.0	52.4	52.8	53.2
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )..	Million metric tons.....	37.7	41.2	43.1	43.0	43.5	47.0
Electric power (gross).....	Billion kilowatt-hours.....	56.2	83.0	90.0	96.8	104	110
Crude oil.....	Million metric tons.....	2.00	2.21	1.76	1.61	1.51	1.54
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	8.23	12.7	13.6	15.9	17.0	16.5
Rolled steel.....	Million metric tons.....	7.78	10.6	11.3	12.8	14.1	N.A.
Refined copper.....	Thousand metric tons.....	15.6	12.7	16.9	17.5	18.0	16.5
Primary aluminum.....	Thousand metric tons.....	83.6	124	128	128	142	146
<b>Agriculture</b>							
Grain <sup>c</sup> .....	Million metric tons.....	12.0	14.5	14.4	15.1	15.0	15.7
Meat <sup>d</sup> .....	Million metric tons.....	1.10	1.08	1.15	1.24	1.29	1.42
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	2.30	2.98	3.37	3.52	3.31	3.20
Mineral fertilizer (nutrients) <sup>e</sup> .....	Million metric tons.....	1.11	1.59	1.64	1.81	N.A.	N.A.
Synthetic fibers.....	Thousand metric tons.....	33.7	111	144	153	195	235
Cement.....	Million metric tons.....	16.0	20.7	22.4	26.3	29.5	31.2
Passenger automobiles <sup>f</sup> .....	Million units.....	0.60	1.10	1.28	1.44	1.54	1.48
Radio receivers.....	Million units.....	0.94	1.20	1.58	1.58	2.75	N.A.
Television receivers.....	Million units.....	0.73	1.04	1.24	1.12	1.50	N.A.
<b>Trade</b>							
Imports (c.i.f.).....	Billion US \$.....	4.72	7.38	8.59	9.83	10.3	12.5
Exports (f.o.b.).....	Billion US \$.....	3.65	7.20	8.04	8.68	10.2	11.7

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>c</sup> Data are for barley, corn, oats, rice, rye, and wheat.<sup>d</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.<sup>e</sup> Data are for "fertilizer years" beginning 1 July of the stated year.<sup>f</sup> Excluding production for the armed forces.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED



Table 28

## United Kingdom: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup>	Billion 1968 US \$	104	123	125	128	132	134
Index of industrial production	1960=100	100	116	118	118	124	129
Total population (midyear)	Million persons	52.6	54.5	54.8	55.1	55.4	55.7
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )	Million metric tons	200	202	192	192	184	179
Electric power (gross)	Billion kilowatt-hours	137	196	203	209	223	231
Crude oil	Thousand metric tons	146	82	77	87	80	N.A.
<b>Minerals and metals</b>							
Crude steel	Million metric tons	24.7	27.4	24.7	24.3	26.3	27.1
Rolled steel	Million metric tons	18.4	20.8	19.2	18.7	20.3	N.A.
Refined copper	Thousand metric tons	219	228	180	169	198	198
Primary aluminum	Thousand metric tons	29.4	35.6	36.5	38.4	38.2	33.8
<b>Agriculture</b>							
Grain <sup>c</sup>	Million metric tons	9.47	13.6	13.3	14.5	13.0	13.5
Meat <sup>d</sup>	Million metric tons	1.72	2.02	2.03	2.01	2.01	2.00
<b>Manufactured items</b>							
Sulfuric acid (100%)	Million metric tons	2.77	3.36	3.17	3.23	3.34	3.22
Mineral fertilizer (nutrients) <sup>e</sup>	Million metric tons	0.84	1.09	1.14	1.28	N.A.	N.A.
Woolen fabrics	Million square meters	307	270	253	246	246	241
Rayon and acetate fabrics	Million linear meters	564	572	564	484	469	500
Cement	Million metric tons	13.5	17.2	17.1	17.9	18.0	17.5
Passenger automobiles	Million units	1.35	1.72	1.60	1.55	1.82	1.72
<b>Transportation and trade</b>							
Merchant ships launched	Million gross register tons	1.33	1.09	1.08	1.30	0.92	1.05
Imports (c.i.f.) <sup>f</sup>	Billion US \$	13.0	16.1	16.7	17.7	19.0	20.0
Exports (f.o.b.) <sup>g</sup>	Billion US \$	10.6	13.7	14.7	14.4	15.3	17.5

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Data are for barley, oats, rye, and wheat.

<sup>d</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat.

<sup>e</sup> Data are for the "fertilizer years" beginning 1 July of the stated year.

<sup>f</sup> Including precious stones and pearls.

<sup>g</sup> Including reexports.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 29

## West Germany: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregate data</b>							
Gross national product <sup>a,b</sup>	Billion 1968 US \$	109	140	143	143	153	165
Index of industrial production	1960=100	100	132	134	132	148	167
Total population (midyear)	Million persons	53.2	56.8	57.5	57.7	58.0	58.7
West Berlin population (midyear)	Million persons	2.2	2.2	2.2	2.2	2.2	2.1
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )	Million metric tons	189	190	182	168	171	173
Electric power (gross)	Billion kilowatt-hours	116	169	174	181	199	220
Crude oil	Million metric tons	5.53	7.88	7.87	7.93	7.98	7.87
<b>Minerals and metals</b>							
Crude steel <sup>d</sup>	Million metric tons	34.1	36.8	35.3	36.7	41.2	45.3
Rolled steel	Million metric tons	25.8	28.5	27.3	28.4	32.4	N.A.
Refined copper <sup>d</sup>	Thousand metric tons	309	342	352	356	407	396
Primary aluminum <sup>d</sup>	Thousand metric tons	169	238	244	253	258	263
<b>Agriculture</b>							
Grain <sup>e</sup>	Million metric tons	14.2	12.7	13.6	16.6	17.5	17.4
Potatoes	Million metric tons	24.5	18.1	18.8	21.3	19.2	16.0
Meat <sup>f</sup>	Million metric tons	2.62	3.07	3.11	3.17	3.41	3.08
<b>Manufactured items</b>							
Sulfuric acid (100%) <sup>d</sup>	Million metric tons	3.17	3.75	3.83	3.78	4.21	4.46
Mineral fertilizer (nutrients) <sup>g</sup>	Million metric tons	3.90	4.61	4.48	4.46	N.A.	N.A.
Synthetic fibers <sup>d,h</sup>	Thousand metric tons	52.3	179	213	252	361	450
Cement <sup>d</sup>	Million metric tons	24.9	34.1	34.7	31.7	33.4	35.0
Passenger automobiles <sup>d</sup>	Million units	1.82	2.73	2.83	2.30	2.86	3.31
Trucks and buses <sup>d</sup>	Thousand units	238	243	221	187	245	287
<b>Trade</b>							
Imports (c.i.f.) <sup>b</sup>	Billion US \$	10.1	17.5	18.0	17.4	20.2	25.0
Exports (f.o.b.) <sup>b</sup>	Billion US \$	11.4	17.9	20.1	21.7	24.9	29.1

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Including data for West Berlin.

<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>d</sup> Beginning in 1965, including data for West Berlin, for which separate data are not available.

<sup>e</sup> Data are for barley, corn, oats, rye, and wheat.

<sup>f</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat.

<sup>g</sup> Data are for the "fertilizer years" beginning 1 July of the stated year.

<sup>h</sup> Excluding data for the Saar.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 30

## India: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a b</sup>	Billion 1968 US \$	30.8	35.2	35.6	38.7	39.4	41.3
Index of industrial production	1960=100	100	154	152	151	161	172
Total population (midyear)	Million persons	433	487	499	511	524	537
<b>Fuels and power</b>							
Electric power (gross) <sup>b</sup>	Billion kilowatt-hours	20.1	36.8	40.5	45.4	49.5	54.0
Hard coal	Million metric tons	52.6	67.2	68.0	68.2	70.8	73.5
Crude oil	Million metric tons	0.45	3.02	4.65	5.56	5.77	6.71
<b>Minerals and metals</b>							
Crude steel <sup>c</sup>	Million metric tons	3.29	6.41	6.60	6.38	6.44	6.49
Pig iron	Million metric tons	4.28	7.12	7.20	7.03	7.25	N.A.
Iron ore	Million metric tons	16.6	23.7	26.8	25.8	27.4	28.3
Manganese ore	Million metric tons	1.20	1.65	1.68	1.59	1.60	N.A.
Refined copper	Thousand metric tons	8.9	9.4	9.4	8.9	9.3	9.8
Primary aluminum	Thousand metric tons	18	62	65	96	120	130
<b>Agriculture</b>							
Wheat	Million metric tons	10.3	12.3	10.4	11.4	16.5	18.7
Rice (rough, or paddy) <sup>d</sup>	Million metric tons	51.3	46.0	45.7	59.3	59.7	63.0
Sugar (raw value)	Million metric tons	2.81	3.49	3.63	2.36	2.38	4.19
Ginned cotton	Million metric tons	1.01	1.00	1.00	1.15	1.07	1.11
<b>Manufactured items</b>							
Sulfuric acid (100%)	Million metric tons	0.35	0.68	0.69	0.80	0.98	1.14
Cotton fabrics <sup>e</sup>	Billion linear meters	6.63	7.64	7.34	7.28	7.90	7.59
Woolen fabrics <sup>f</sup>	Million linear meters	8	10	9	9	12	13
Cement	Million metric tons	7.84	10.6	11.1	11.3	11.9	13.6
Passenger automobiles (civilian)	Thousand units	24.6	35.3	37.4	38.9	44.6	38.3
<b>Trade</b>							
Imports (c.i.f.)	Billion US \$	2.33	2.92	2.83	2.81	2.51	2.04
Exports (f.o.b.)	Billion US \$	1.33	1.69	1.60	1.61	1.75	1.83

<sup>a</sup> Data are at factor cost and are converted at the par value exchange rate of 7.5 rupees to US \$1.

<sup>b</sup> Data are for the year beginning 1 April of the stated year.

<sup>c</sup> Beginning in 1965, ingots only.

<sup>d</sup> Estimated from planted acreage.

<sup>e</sup> Mill and decentralized sector production.

<sup>f</sup> Wearable fabrics produced in the mill sector only.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 31

## Japan: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	77.4	125	137	155	177	200
Index of industrial production.....	1960=100.....	100	172	195	232	273	318
Total population (midyear).....	Million persons.....	93.2	98.0	98.9	99.9	101	102
Labor force <sup>b</sup> .....	Million persons.....	45.1	47.9	48.9	49.8	50.6	51.0
<b>Fuels and power</b>							
Electric power (gross).....	Billion kilowatt-hours.....	111	188	209	238	265	311
Hard coal.....	Million metric tons.....	51.1	49.5	50.9	47.5	46.6	44.6
Crude oil.....	Thousand metric tons.....	526	671	782	788	782	787
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	22.1	41.2	47.8	62.2	66.9	82.2
Rolled steel.....	Million metric tons.....	17.2	33.4	39.0	50.4	55.7	N.A.
Refined copper.....	Thousand metric tons.....	248	366	405	470	548	629
Primary aluminum.....	Thousand metric tons.....	133	294	337	382	482	569
<b>Agriculture</b>							
Rice (rough, or paddy) <sup>c</sup> .....	Million metric tons.....	16.1	15.5	15.9	18.1	18.1	17.6
Meat <sup>d</sup> .....	Thousand metric tons.....	322	640	734	717	696	733
Fish catch.....	Million metric tons.....	6.19	6.91	7.10	7.85	8.67	N.A.
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	4.45	5.66	6.03	6.28	6.59	6.76
Cotton fabrics <sup>e</sup> .....	Billion square meters.....	3.22	3.01	2.91	2.82	2.74	2.78
Rayon and acetate fabrics <sup>f</sup> .....	Billion square meters.....	1.83	1.65	1.66	1.62	1.63	1.64
Natural silk fabrics.....	Million square meters.....	220	176	175	184	189	187
Synthetic fibers.....	Thousand metric tons.....	118	380	460	578	692	806
Cement.....	Million metric tons.....	22.5	32.7	38.3	43.3	47.7	51.4
Passenger automobiles.....	Million units.....	0.17	0.70	0.88	1.38	2.06	2.61
<b>Transportation and trade</b>							
Merchant ships launched.....	Million gross register tons.....	1.73	5.34	6.74	7.55	8.66	9.38
Imports (c.i.f.).....	Billion US \$.....	4.49	8.17	9.52	11.7	13.0	15.0
Exports (f.o.b.).....	Billion US \$.....	4.06	8.45	9.76	10.4	13.0	16.0

<sup>a</sup> Converted at US purchasing power equivalents in approximately the same manner as the data for the NATO countries.

<sup>b</sup> Including the armed forces and the unemployed. Data are annual averages of monthly data.

<sup>c</sup> Estimated from planted acreage.

<sup>d</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, lamb, mutton, goat, and horsemeat.

<sup>e</sup> Fabrics after undergoing finishing processes.

<sup>f</sup> Including finished fabrics.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 32

## USSR: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	272	360	385	410	434	448
Index of industrial production.....	1960=100.....	100	138	148	159	168	177
Total population (midyear).....	Million persons.....	214*	231*	233*	236*	238*	240*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	109*	120*	121*	125*	126*	127*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Billion metric tons.....	0.66*	0.94*	1.01*	1.06*	1.11*	1.17*
Electric power (gross).....	Billion kilowatt-hours.....	292*	507*	545*	588*	639*	689*
Hard coal.....	Million metric tons.....	375*	428*	439*	451*	456*	470
Crude oil.....	Million metric tons.....	148*	243*	265*	288*	309*	328*
Natural gas <sup>d</sup> .....	Billion cubic meters.....	45.3*	128*	143*	157*	169*	181*
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	65.3*	91.0*	96.9*	102*	107*	110*
Rolled steel.....	Million metric tons.....	51.0*	70.9*	76.6*	81.7*	85.3*	87.5*
Pig iron.....	Million metric tons.....	46.8*	66.2*	70.3*	74.8*	78.8*	81.6*
Iron ore.....	Million metric tons.....	106*	153*	160*	168*	177*	186*
Refined copper.....	Million metric tons.....	0.49*	0.77*	0.83*	0.92*	0.99*	1.08*
Primary aluminum.....	Million metric tons.....	0.63	1.00	1.16	1.30	1.44	1.50
Lead.....	Thousand metric tons.....	324*	433*	463*	495*	528*	563*
<b>Agriculture</b>							
Grain <sup>e</sup> .....	Million metric tons.....	93.0*	100*	140*	122*	135*	128*
Meat <sup>f</sup> .....	Million metric tons.....	7.38*	8.80*	9.40*	10.1*	10.2*	9.80*
Milk.....	Million metric tons.....	55.5*	68.2*	71.4*	75.1*	77.4*	76.7*
Fish catch.....	Million metric tons.....	3.54*	5.77*	6.09*	6.54*	6.70*	7.30*
Cattle (beginning of year).....	Million head.....	74.2*	87.2*	93.4*	97.1*	97.2*	95.7*
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	5.40*	8.52*	9.37*	9.74*	10.2*	10.7*
Mineral fertilizer (nutrients).....	Million metric tons.....	3.28*	7.39*	8.44*	9.41*	10.2*	10.8*
Metalcutting machine tools.....	Thousand units.....	156*	186*	192*	198*	201*	206*
Tractors.....	Thousand units.....	238*	354*	382*	405*	423*	442*
Cement.....	Million metric tons.....	45.5*	72.4*	80.0*	84.8*	87.5*	89.8*
Passenger automobiles.....	Thousand units.....	139*	201*	230*	251*	280*	294*
<b>Transportation and trade</b>							
Railroad freight traffic.....	Trillion ton-kilometers.....	1.50*	1.95*	2.02*	2.16*	2.27*	2.36*
Motor vehicle freight traffic.....	Billion ton-kilometers.....	98.5*	143*	155*	170*	187*	195*
Imports (f.o.b.).....	Billion US \$.....	5.63*	8.06*	7.91*	8.54*	9.41*	10.3*
Exports (f.o.b.).....	Billion US \$.....	5.56*	8.17*	8.84*	9.65*	10.6*	11.7*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Data include the armed forces and the unemployed but exclude militarized security forces.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Gross production less losses and waste. Data include only gas from natural gas wells and associated gas from petroleum fields.<sup>e</sup> Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains including pulses.<sup>f</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, poultry, edible offal, and slaughter fats.

Table 33

## Eastern Europe: Summary of Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	102*	123*	130*	136*	142*	148*
Total population (midyear).....	Million persons.....	96.5*	100*	101*	101*	102*	103*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )..	Million metric tons.....	275	329*	334	335	348	363
Electric power (gross).....	Billion kilowatt-hours.....	114*	170*	185*	200*	217*	230*
Hard coal.....	Million metric tons.....	141*	160*	162*	163*	168	174
Brown coal and lignite.....	Million metric tons.....	336*	403*	404*	395*	410*	420*
Crude oil.....	Million metric tons.....	13.2*	15.2*	15.6	16.2	16.4	16.1
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	21.2*	28.7*	30.5*	33.2*	35.4*	37.0*
Pig iron.....	Million metric tons.....	13.4*	17.9*	19.1*	20.8*	21.6*	22.6*
Iron ore.....	Million metric tons.....	9.34*	12.1*	13.0*	12.7*	12.1*	12.1*
Refined copper.....	Thousand metric tons.....	101	141	147	158	165	177
Primary aluminum.....	Thousand metric tons.....	163*	206	267	319	351	374
<b>Agriculture</b>							
Grain <sup>c</sup> .....	Million metric tons.....	48.4*	52.8*	55.7*	57.8*	59.2*	61.2
Potatoes.....	Million metric tons.....	63.9*	63.8*	71.0*	73.7*	75.4*	63.2*
Meat <sup>d</sup> .....	Million metric tons.....	3.38	4.01	4.12	4.27	4.53	4.52
Cattle (beginning of year).....	Million head.....	25.2*	26.6*	26.9*	27.9*	28.3*	28.4*
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	2.50*	4.23*	4.48*	4.70*	5.08*	5.44*
Mineral fertilizer (nutrients).....	Million metric tons.....	3.23*	4.63*	5.05*	5.66*	6.39*	6.97*
Cement.....	Million metric tons.....	22.9*	31.8*	34.0*	37.1*	39.0*	N.A.
Tractors.....	Thousand units.....	69.0*	87.5*	90.0*	94.1*	102*	109*
Passenger automobiles.....	Thousand units.....	133*	207*	228*	253*	287*	319*
Radio receivers.....	Million units.....	2.20*	2.36*	2.53*	2.53*	2.68*	N.A.
Television receivers.....	Million units.....	0.99*	1.70*	1.70*	1.81*	1.96	N.A.
<b>Transportation</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	187*	236*	246*	250*	259*	261*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

<sup>d</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.

SECRET

SECRET

Table 34

## Bulgaria: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	5.5*	7.5*	8.1*	8.6*	9.2*	9.8*
Index of industrial production.....	1960=100.....	100*	173*	194*	220*	246*	271*
Total population (midyear).....	Million persons.....	7.9*	8.2*	8.3*	8.3*	8.4*	8.4*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	4.20*	4.26*	4.28*	4.32*	4.35*	4.38*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	7.7*	9.4*	9.6*	10.2*	10.5	10.3
Electric power (gross).....	Billion kilowatt-hours.....	4.66*	10.2*	11.8*	13.6*	15.4*	17.2*
Brown coal and lignite.....	Million metric tons.....	15.4*	24.5*	24.7*	26.7*	28.3*	28.7*
<b>Minerals and metals</b>							
Crude steel <sup>d</sup> .....	Million metric tons.....	0.30*	0.65*	0.76*	1.30*	1.52*	1.57*
Rolled steel.....	Million metric tons.....	0.19*	0.43*	0.48*	0.61*	1.03*	1.22*
Refined copper.....	Thousand metric tons.....	14.0*	23.9*	25.7*	33.5*	36.5*	36.7*
Lead.....	Thousand metric tons.....	40.4*	93.4*	92.8*	96.6*	92.7*	95.1*
<b>Agriculture</b>							
Grain <sup>e</sup> .....	Million metric tons.....	4.83*	5.22*	6.75*	6.48*	5.26*	5.98
Potatoes.....	Million metric tons.....	0.48*	0.28*	0.42*	0.38*	0.37*	0.33*
Meat <sup>f</sup> .....	Thousand metric tons.....	174	278	293	296	320	291
Cattle (beginning of year).....	Million head.....	1.28*	1.47*	1.45*	1.38*	1.36*	1.30*
Hogs (beginning of year).....	Million head.....	2.27*	2.61*	2.41*	2.28*	2.31*	2.14*
Ginned cotton.....	Thousand metric tons.....	21.1*	12.6*	22.8*	18.5*	10.3*	14.5*
Wool (grease basis).....	Thousand metric tons.....	21.0*	25.8*	25.5*	27.2*	28.5*	28.0
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Thousand metric tons.....	123*	318*	353*	360*	472*	491*
Mineral fertilizer (nutrients).....	Thousand metric tons.....	126*	354*	394*	443*	640*	684*
Soda ash (100%).....	Thousand metric tons.....	128*	223*	226*	218*	225*	265*
Cement.....	Million metric tons.....	1.59*	2.68*	2.85*	3.36*	3.51*	3.55*
<b>Transportation and trade</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	6.98*	10.8*	11.4*	11.7*	12.2*	12.6*
Motor vehicle freight traffic.....	Billion ton-kilometers.....	2.04*	3.82*	4.30*	5.11*	6.02*	6.65*
Imports (f.o.b.).....	Billion US \$.....	0.63*	1.18*	1.48*	1.57*	1.78*	1.75*
Exports (f.o.b.).....	Billion US \$.....	0.57*	1.18*	1.30*	1.46*	1.62*	1.80*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Including the armed forces and the unemployed.

<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>d</sup> Including an estimate for steel for castings for all years.

<sup>e</sup> Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains.

<sup>f</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

Table 35

## Czechoslovakia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	22.8*	24.3*	25.5*	26.7*	27.6*	28.4*
Index of industrial production.....	1960=100.....	100*	120*	127*	135*	141*	147*
Total population (midyear).....	Million persons.....	13.7*	14.2*	14.2*	14.3*	14.4*	14.4*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	6.40*	6.79*	6.92*	6.99*	7.06*	7.13*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	50.9*	61.9*	61.1*	59.3*	60.7	64.4
Electric power (gross).....	Billion kilowatt-hours.....	24.4*	34.2*	36.5*	38.6*	41.4*	42.0*
Brown coal and lignite.....	Million metric tons.....	57.9*	72.3*	72.4*	70.9*	74.4*	79.0*
Natural gas.....	Billion cubic meters.....	1.29*	0.75*	0.81*	1.02*	1.06*	0.95
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	6.77*	8.60*	9.12*	10.0*	10.6*	10.8*
Rolled steel.....	Million metric tons.....	4.48*	6.09*	6.52*	7.12*	7.51*	7.50*
Pig iron.....	Million metric tons.....	4.70*	5.87*	6.27*	6.82*	6.92*	7.01*
Iron ore.....	Million metric tons.....	3.12*	2.57*	2.24*	1.91*	1.57*	1.60*
Manganese ore.....	Thousand metric tons.....	154*	80*	90*	80*	86*	88*
Primary aluminum.....	Thousand metric tons.....	52*	56*	60*	60*	60*	60*
<b>Agriculture</b>							
Grain <sup>d</sup> .....	Million metric tons.....	5.74*	5.24*	5.87*	6.53*	7.36*	7.89
Potatoes.....	Million metric tons.....	5.09*	3.68*	5.85*	6.04*	6.53*	5.02*
Meat <sup>e</sup> .....	Thousand metric tons.....	483	599	580	605	660	625
Cattle (beginning of year).....	Million head.....	4.30*	4.44*	4.39*	4.46*	4.44*	4.25*
Hogs (beginning of year).....	Million head.....	5.69*	6.14*	5.54*	5.30*	5.60*	5.14*
<b>Manufactured items</b>							
Metalcutting machine tools.....	Thousand units.....	30.2*	24.3*	27.6*	29.8*	33.5*	N.A.
Metallurgical equipment.....	Thousand metric tons.....	105*	85.5*	89.6*	79.2*	90.3*	N.A.
Electric motors.....	Million kilowatts.....	2.95*	4.18*	3.97*	4.44*	4.14*	N.A.
Electric generators <sup>f</sup> .....	Million kilowatts.....	1.39*	0.89*	2.08*	1.71*	0.88*	N.A.
Cement.....	Million metric tons.....	5.05*	5.71*	6.13*	6.46*	6.49*	6.73*
Tractors.....	Thousand units.....	32.5*	30.5*	28.2*	28.7*	24.4*	18.6*
Passenger automobiles.....	Thousand units.....	56.2*	77.7*	92.7*	112*	126*	132*
Television receivers.....	Thousand units.....	263*	274*	228*	256*	350*	N.A.
<b>Transportation and trade</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	47.4*	56.9*	57.6*	55.8*	56.7*	52.7*
Motor vehicle freight traffic.....	Billion ton-kilometers.....	5.11*	6.98*	7.28*	7.81*	8.71*	9.12*
Imports (f.o.b.).....	Billion US \$.....	1.82*	2.67*	2.74*	2.68*	3.08*	3.29*
Exports (f.o.b.).....	Billion US \$.....	1.93*	2.69*	2.74*	2.86*	3.00*	3.32*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Including the armed forces and the unemployed.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Data are for barley, corn, oats, rye, and wheat.<sup>e</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.<sup>f</sup> Generators for steam and gas turbines only.

SECRET

SECRET



Table 36

## East Germany: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregate data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	25.0*	29.2*	30.4*	31.7*	33.0*	34.5*
Index of industrial production.....	1960=100.....	100*	119*	125*	131*	138*	148*
Total population (midyear).....	Million persons.....	17.1*	17.0*	17.1*	17.1*	17.1*	17.1*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	8.53*	8.37*	8.38*	8.41*	8.40*	8.41*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	73.6	81.4*	80.8	78.7	80.1	79.0
Electric power (gross).....	Billion kilowatt-hours.....	40.3*	53.6*	56.9*	59.7*	63.2*	65.5*
Brown coal and lignite.....	Million metric tons.....	226*	251*	249*	242*	247*	248*
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	3.75*	4.37*	4.48*	4.59*	4.70*	4.82*
Rolled steel.....	Million metric tons.....	2.61*	2.99*	3.05*	3.08*	3.16*	3.25*
Iron ore.....	Million metric tons.....	1.64*	1.65*	1.72*	1.68*	1.41*	1.45*
Refined copper.....	Thousand metric tons.....	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*
<b>Agriculture</b>							
Grain <sup>d</sup> .....	Million metric tons.....	6.38*	6.73*	5.91*	7.35*	7.83*	6.89
Meat <sup>e</sup> .....	Thousand metric tons.....	730	861	906	946	982	998
Fish catch.....	Thousand metric tons.....	114*	229*	222*	290*	303*	270*
Cattle <sup>f</sup> .....	Million head.....	4.46*	4.68*	4.76*	4.92*	5.02*	5.11*
Hogs <sup>f</sup> .....	Million head.....	8.28*	8.76*	8.88*	9.31*	9.25*	9.52*
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	0.73*	0.98*	0.97*	0.99*	1.08*	1.10*
Synthetic ammonia (nitrogen content)	Thousand metric tons.....	393*	439*	449*	453*	460*	460*
Mineral fertilizer (nutrients).....	Million metric tons.....	2.17*	2.51*	2.60*	2.85*	2.99*	3.04*
Cement.....	Million metric tons.....	5.03*	6.09*	6.45*	7.18*	7.55*	N.A.
Passenger automobiles.....	Thousand units.....	64.1*	103*	106*	112*	115*	118*
<b>Transportation and trade</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	32.9*	38.9*	39.7*	38.5*	38.6*	38.5*
Motor vehicle freight traffic.....	Billion ton-kilometers.....	5.00*	7.21*	7.84*	8.17*	9.25*	10.2*
Imports (f.o.b.).....	Billion US \$.....	2.19*	2.81*	3.22*	3.28*	3.39*	N.A.
Exports (f.o.b.).....	Billion US \$.....	2.21*	3.07*	3.20*	3.46*	3.78*	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Including the armed forces and the unemployed.

<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>d</sup> Data are for barley, oats, rye, wheat, and miscellaneous grains.

<sup>e</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

<sup>f</sup> As of 30 November of the previous year.

Table 37

## Hungary: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	9.9*	12.1*	12.7*	13.2*	13.5*	13.9*
Index of industrial production.....	1960=100.....	100*	139*	149*	158*	164*	168*
Total population (midyear).....	Million persons.....	10.0*	10.1*	10.2*	10.2*	10.3*	10.3*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	4.87*	4.99*	5.05*	5.09*	5.12*	5.16*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	14.8*	18.3*	18.3*	17.9*	19.1*	19.5*
Electric power (gross).....	Billion kilowatt-hours.....	7.62*	11.2*	11.9*	12.5*	13.2*	14.1*
Brown coal and lignite.....	Million metric tons.....	23.7*	27.1*	26.0*	23.0*	23.0*	22.4*
Crude oil.....	Million metric tons.....	1.22*	1.80*	1.71*	1.69*	1.81*	1.75*
Natural gas.....	Billion cubic meters.....	0.34*	1.11*	1.55*	2.04*	2.69*	3.24*
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	1.89*	2.52*	2.65*	2.74*	2.90*	3.03*
Rolled steel.....	Million metric tons.....	1.19*	1.70*	1.73*	1.76*	1.98*	2.02*
Manganese ore.....	Thousand metric tons.....	123*	213*	210*	209*	156*	145*
Primary aluminum.....	Thousand metric tons.....	50*	58*	60*	62*	63*	64*
Bauxite.....	Million metric tons.....	1.19*	1.48*	1.43*	1.65*	1.96*	1.94*
<b>Agriculture</b>							
Grain <sup>d</sup> .....	Million metric tons.....	6.86*	7.29*	7.36*	7.52*	7.84*	9.05
Potatoes.....	Million metric tons.....	2.66*	1.48*	2.43*	1.51*	1.34*	1.58*
Meat <sup>e</sup> .....	Thousand metric tons.....	430*	476*	469	472	532	523
Cattle (beginning of year).....	Million head.....	1.97* <sup>f</sup>	1.94*	1.92*	1.97*	2.05*	2.02*
Hogs (beginning of year).....	Million head.....	5.36* <sup>f</sup>	7.04*	6.59*	6.12*	6.65*	5.81*
<b>Manufactured items</b>							
Sulfuric acid (100%) <sup>g</sup> .....	Thousand metric tons.....	178*	394*	418*	450*	468*	454*
Mineral fertilizer (nutrients).....	Thousand metric tons.....	102*	265*	298*	340*	402*	469*
Cotton fabrics.....	Million square meters.....	225*	305*	317*	304*	292*	269*
Cement.....	Million metric tons.....	1.57*	2.38*	2.60*	2.66*	2.80*	2.56*
Tractors.....	Thousand units.....	2.6*	3.0*	3.3*	3.6*	2.8*	1.7*
<b>Transportation and trade</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	13.3*	17.3*	17.9*	18.5*	18.3*	18.0*
Motor vehicle freight traffic.....	Billion ton-kilometers.....	1.58*	2.63*	2.98*	3.22*	3.61*	3.72*
Imports (c.i.f.).....	Billion US \$.....	0.98*	1.52*	1.57*	1.78*	1.80*	1.93*
Exports (f.o.b.).....	Billion US \$.....	0.87*	1.51*	1.59*	1.70*	1.79*	2.08*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Including the armed forces and the unemployed.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Data are for barley, corn, oats, rice, rye, and wheat.<sup>e</sup> Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, lamb, goat, and horsemeat; and include live exports.<sup>f</sup> As of March of the stated year.<sup>g</sup> Including oleum for all years except the terminal year.

SECRET

SECRET

Table 38

## Poland: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> .....	Billion 1968 US \$.....	26.3*	33.9*	35.9*	37.2*	38.8*	40.0*
Index of industrial production.....	1960=100.....	100*	139*	147*	157*	169*	182*
Total population (midyear).....	Million persons.....	29.6*	31.5*	31.7*	31.9*	32.3*	32.6*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	14.1*	15.4*	15.7*	16.0*	16.3*	16.6*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	93.5*	111*	114*	116*	122*	131*
Electric power (gross).....	Billion kilowatt-hours.....	29.3*	43.8*	47.4*	51.2*	55.5*	60.0*
Hard coal.....	Million metric tons.....	104*	119*	122*	124*	129*	135*
Metallurgical coke.....	Million metric tons.....	7.68*	7.99*	7.89*	8.19*	8.60*	8.90*
Natural gas.....	Billion cubic meters.....	0.54*	1.31*	1.29*	1.46*	2.40*	3.76*
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	6.68*	9.09*	9.85*	10.4*	11.0*	11.3*
Rolled steel.....	Million metric tons.....	4.42*	6.13*	6.58*	6.95*	7.33*	7.66*
Pig iron.....	Million metric tons.....	4.25*	5.38*	5.61*	6.33*	6.64*	6.82*
Iron ore.....	Million metric tons.....	2.18*	2.86*	3.05*	3.08*	3.05*	2.82*
Primary aluminum.....	Thousand metric tons.....	26*	47*	55*	92*	94*	97*
Lead.....	Thousand metric tons.....	39.7*	41.4*	43.5*	44.8*	48.7*	50.7*
Refined zinc.....	Thousand metric tons.....	176*	190*	193*	196*	202*	208*
<b>Agriculture</b>							
Grain <sup>d</sup> .....	Million metric tons.....	14.8*	16.3*	15.9*	16.4*	18.2*	18.6
Potatoes.....	Million metric tons.....	37.9*	43.3*	46.1*	48.6*	50.8*	44.8*
Meat <sup>e</sup> .....	Million metric tons.....	1.15	1.33	1.37	1.41	1.44	1.50
Fish catch <sup>f</sup> .....	Thousand metric tons.....	168*	280*	316*	321*	386*	397*
Cattle (beginning of year).....	Million head.....	8.70* <sup>g</sup>	9.35*	9.48*	10.0*	10.1*	10.5*
Hogs (beginning of year).....	Million head.....	12.6* <sup>g</sup>	14.2*	14.4*	14.7*	14.4*	14.7*
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	0.68*	1.06*	1.14*	1.21*	1.31*	1.52*
Mineral fertilizer (nutrients).....	Million metric tons.....	0.48*	0.74*	0.83*	0.97*	1.23*	1.47*
Woolen fabrics.....	Million linear meters.....	79*	91*	91*	90*	94*	99*
Cement.....	Million metric tons.....	6.60*	9.57*	10.0*	11.1*	11.6*	11.8*
Tractors.....	Thousand units.....	7.7*	21.5*	24.6*	29.8*	35.0*	44.2*
Trucks and buses.....	Thousand units.....	24.0*	34.2*	37.8*	40.6*	44.5*	46.2*
<b>Transportation and trade</b>							
Railroad freight traffic.....	Billion ton-kilometers.....	66.6*	81.0*	85.0*	88.5*	92.6*	95.0*
Motor vehicle freight traffic <sup>h</sup> .....	Billion ton-kilometers.....	5.69*	8.38*	9.26*	10.4*	12.0*	13.7*
Imports (f.o.b.).....	Billion US \$.....	1.50*	2.34*	2.49*	2.64*	2.85*	3.21*
Exports (f.o.b.).....	Billion US \$.....	1.32*	2.23*	2.27*	2.53*	2.86*	3.14*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Including the armed forces and the unemployed.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Data are for barley, oats, rye, wheat, and miscellaneous grains.<sup>e</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, horsemeat, and edible offal.<sup>f</sup> Salt water catch only.<sup>g</sup> As of 30 June of the stated year.<sup>h</sup> Including traffic by vehicles owned and operated by various industries for their exclusive use.

Table 39

## Romania: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product <sup>a</sup> . . . . .	Billion 1968 US \$ . . . . .	12.4*	16.4*	17.9*	18.9*	20.0*	21.1*
Index of industrial production . . . . .	1960=100 . . . . .	100*	167*	187*	208*	229*	249*
Total population (midyear) . . . . .	Million persons . . . . .	18.4*	19.0*	19.1*	19.3*	19.7*	20.0*
Labor force (midyear) <sup>b</sup> . . . . .	Million persons . . . . .	9.99*	10.3*	10.4*	10.5*	10.6*	10.7*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> ) . . . . .	Million metric tons . . . . .	34.2*	46.8*	49.4*	52.9*	55.8*	59.4*
Electric power (gross) . . . . .	Billion kilowatt-hours . . . . .	7.65*	17.2*	20.8*	24.8*	27.8*	31.5*
Brown coal and lignite . . . . .	Million metric tons . . . . .	3.7*	6.1*	7.1*	8.3*	9.8*	11.5*
Crude oil . . . . .	Million metric tons . . . . .	11.5*	12.6*	12.8*	13.2*	13.3*	13.2*
Petroleum products . . . . .	Million metric tons . . . . .	11.0	11.8	11.9	12.2	12.7	13.7
Natural gas . . . . .	Billion cubic meters . . . . .	10.3*	17.5*	18.8*	20.7*	21.9*	23.9
<b>Minerals and metals</b>							
Crude steel . . . . .	Million metric tons . . . . .	1.81*	3.43*	3.67*	4.09*	4.75*	5.54*
Rolled steel . . . . .	Million metric tons . . . . .	1.25*	2.35*	2.59*	2.91*	3.39*	3.82*
Iron ore . . . . .	Million metric tons . . . . .	1.46*	2.48*	2.68*	2.80*	2.75*	2.90*
<b>Agriculture</b>							
Grain <sup>d</sup> . . . . .	Million metric tons . . . . .	9.82*	12.0*	13.9*	13.5*	12.8*	12.8
Potatoes . . . . .	Million metric tons . . . . .	3.01*	2.20*	3.35*	3.10*	3.71*	2.23*
Meat <sup>e</sup> . . . . .	Thousand metric tons . . . . .	414	462	500	542	592	587
Cattle (beginning of year) . . . . .	Million head . . . . .	4.45*	4.76*	4.94*	5.20*	5.33*	5.14*
Hogs (beginning of year) . . . . .	Million head . . . . .	4.30*	6.03*	5.36*	5.40*	5.75*	5.85*
Wool (grease basis) . . . . .	Thousand metric tons . . . . .	21.8*	25.4*	26.1*	29.2*	31.0*	29.0
<b>Manufactured items</b>							
Cement . . . . .	Million metric tons . . . . .	3.05*	5.41*	5.89*	6.34*	7.03*	7.52*
Grain combines . . . . .	Thousand units . . . . .	5.50*	2.01*	4.05*	4.95*	7.52*	7.00*
Tractors . . . . .	Thousand units . . . . .	17.1*	15.8*	18.5*	17.6*	21.2*	24.9*
<b>Transportation and trade</b>							
Railroad freight traffic . . . . .	Billion ton-kilometers . . . . .	19.8*	31.0*	34.5*	37.3*	40.7*	44.0*
Motor vehicle freight traffic . . . . .	Billion ton-kilometers . . . . .	1.60*	3.27*	3.95*	4.68*	5.38*	6.19*
Imports (f.o.b.) . . . . .	Billion US \$ . . . . .	0.65*	1.08*	1.21*	1.55*	1.61*	N.A.
Exports (f.o.b.) . . . . .	Billion US \$ . . . . .	0.72*	1.10*	1.19*	1.40*	1.47*	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Converted at US purchasing power equivalents.<sup>b</sup> Including the armed forces and the unemployed.<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>d</sup> Data are for barley, corn, oats, rice, rye, and wheat.<sup>e</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, and goat.

SECRET

SECRET

Table 40

## Communist China: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Index of industrial production <sup>a</sup> .....	1960=100.....	100	93-98	104-111	89-96	93-102	N.A.
Total population (midyear).....	Million persons.....	686*	755*	772*	789*	806*	824*
Labor force (midyear) <sup>b</sup> .....	Million persons.....	307*	328*	335*	N.A.	N.A.	N.A.
Agricultural labor force (midyear)...	Million persons.....	254*	281*	287*	N.A.	N.A.	N.A.
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>c</sup> )..	Million metric tons.....	208	205	226	183	194	242
Electric power (gross).....	Billion kilowatt-hours.....	47*	42*	47*	41*	44*	50*
Hard coal <sup>d</sup> .....	Million metric tons.....	280*	220*	240*	190*	200*	250*
Crude oil.....	Million metric tons.....	4.6	8.0	10	10	11	14
Petroleum products.....	Million metric tons.....	4.7	7.2	9.0	8.9	9.8	12.5
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	18.4*	11	12	10	12	13
Pig iron.....	Million metric tons.....	27.5* <sup>e</sup>	12.0	15.4	14.0	15.5	16.0
Iron ore.....	Million metric tons.....	56.4	24.8	31.1	28.0	31.1	32.0
Manganese ore.....	Thousand metric tons.....	708	312	375	340	375	400
Tungsten ore (60% WO <sub>3</sub> ).....	Thousand metric tons.....	29	15	14	12	12	12
Primary aluminum.....	Thousand metric tons.....	80	115	125	145	179	195
<b>Agriculture</b>							
Grain <sup>f</sup> .....	Million metric tons.....	160-165	190-195	190-195	205-210	190-195	195-200
Ginned cotton.....	Million metric tons.....	1.20	1.00	1.20	1.30	1.30	1.40
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Million metric tons.....	1.35*	2.2	2.3	N.A.	N.A.	N.A.
Chemical fertilizer <sup>g</sup> .....	Million metric tons.....	2.5	4.5	5.5	4.0	4.8	5.9
Nutrients.....	Million metric tons.....	0.49	0.88	1.08	0.78	0.94	1.15
Cement.....	Million metric tons.....	9.0	10.9	12.0	10.2	10.5	11.3
Tractors.....	Thousand units.....	10.8	13.7	17.6	15.3	16.4	18-20
Trucks.....	Thousand units.....	15	34	47	34	31	65
<b>Trade</b>							
Imports (f.o.b.).....	Billion US \$.....	2.03*	1.86*	2.04*	1.94*	1.82*	1.82*
Exports (f.o.b.).....	Billion US \$.....	1.94*	2.00*	2.17*	1.92*	1.89*	2.06*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

<sup>b</sup> Data exclude the armed forces but include the unemployed.

<sup>c</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>d</sup> Including a negligible amount of brown coal.

<sup>e</sup> Including 13.4 million metric tons of pig iron made in "small blast furnaces," of which 6.5 million metric tons were usable for steelmaking.

<sup>f</sup> Data are for barley, corn, oats, rice, rye, and wheat, and also include kaoliang, broad beans, and field peas. Tubers are included on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.

<sup>g</sup> Data are in terms of product weight containing 20% nitrogen (N), 18.7% phosphoric acid (P<sub>2</sub>O<sub>5</sub>), and 40% potassium oxide (K<sub>2</sub>O).

Table 41  
North Korea: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross industrial production	1960=100	100*	198*	192*	224*	258*	N.A.
Total population (midyear)	Million persons	10.6*	12.2*	12.6*	13.0*	13.4*	13.8*
Labor force (midyear) <sup>a</sup>	Million persons	4.6*	5.3*	5.4*	5.5*	5.6*	5.7*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )	Million metric tons	14.1*	21.3	21.4	23.5	25.9	26.9
Electric power (gross)	Billion kilowatt-hours	9.14*	13.4*	12.5*	14.0*	14.0*	15.5*
Hard coal	Million metric tons	6.8*	12.4*	14.0*	15.4*	18.6*	18.6
<b>Minerals and metals</b>							
Crude steel	Million metric tons	0.64*	1.23	1.30	1.50	1.60	1.80
Iron ore	Million metric tons	3.11*	4.96* <sup>c</sup>	5.00*	5.46	5.50	6.20
Tungsten ore <sup>d</sup>	Thousand metric tons	3.00	4.00	4.00	N.A.	N.A.	N.A.
Lead	Thousand metric tons	34.0	54.0*	57.0*	61.0*	61.0*	61.0*
Refined zinc	Thousand metric tons	55*	80*	84*	88*	88*	88*
<b>Agriculture</b>							
Grain <sup>e</sup>	Million metric tons	3.8	4.5	4.0	4.7	5.2	N.A.
Rice (rough, or paddy)	Million metric tons	1.51	N.A.	N.A.	N.A.	2.00	N.A.
Fish catch	Thousand metric tons	465*	785*	700	N.A.	N.A.	N.A.
Cattle (beginning of year)	Million head	0.67*	0.69	N.A.	N.A.	N.A.	0.80
Hogs (beginning of year)	Million head	1.12*	1.21	N.A.	N.A.	N.A.	2.20
<b>Manufactured items</b>							
Synthetic ammonia (nitrogen content)	Thousand metric tons	111	120	120	140	195	240
Mineral fertilizer (nutrients)	Thousand metric tons	127	158	158	176	239	278
Metalcutting machine tools	Thousand units	2.90*	3.95	N.A.	N.A.	N.A.	N.A.
Cement	Million metric tons	2.28*	2.40*	2.50*	2.50	2.50	2.50
Trucks and buses	Thousand units	3.1*	4.5	6.0	8.0	9.5	9.8
<b>Transportation and trade</b>							
Railroad freight traffic	Billion ton-kilometers	9.10*	10.5	11.9	12.5	12.8	13.0
Motor vehicle freight traffic	Million ton-kilometers	552*	765	N.A.	N.A.	N.A.	N.A.
Imports (f.o.b.) <sup>f</sup>	Million US \$	167*	216*	202*	224*	305*	345*
Exports (f.o.b.) <sup>f</sup>	Million US \$	154*	198*	221*	226*	253*	264*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data exclude the armed forces but include the unemployed.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Based on an announced increase for 1965 of 24% applied to 1964 plan data.

<sup>d</sup> Tungsten trioxide (60% WO<sub>3</sub> basis).

<sup>e</sup> Data are for barley, corn, oats, rice, wheat, soybeans, and tubers on a straight weight basis.

<sup>f</sup> Estimated data based on data of trading partner countries.

SECRET

SECRET

Table 42

## North Vietnam: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross industrial production	1960 = 100	100*	184*	N.A.	N.A.	N.A.	N.A.
Total population (midyear)	Million persons	16.0*	18.1*	18.5*	18.9*	19.3*	19.7*
Labor force (midyear) <sup>a</sup>	Million persons	8.2*	9.4*	9.5*	9.6*	9.6*	9.6*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )	Million metric tons	2.4	3.7	3.8	2.3	2.8	2.6
Electric power (gross)	Billion kilowatt-hours	0.26*	0.60	0.55	0.45	0.50	0.55
<b>Minerals and metals</b>							
Pig iron	Thousand metric tons	10*	200	150	N.A.	N.A.	N.A.
Iron ore	Million metric tons	0.02*	0.40	0.30	N.A.	N.A.	N.A.
Chromite <sup>c</sup>	Thousand metric tons	19.4*	15.0	Negl.	Negl.	Negl.	Negl.
<b>Agriculture</b>							
Grain <sup>d</sup>	Million metric tons	4.43*	4.79*	N.A.	N.A.	N.A.	N.A.
Rice (rough, or paddy)	Million metric tons	4.21*	4.51*	4.20	4.00	3.80	4.00
Sweet potatoes and manioc	Million metric tons	0.92*	1.18* <sup>e</sup>	N.A.	N.A.	N.A.	N.A.
Cattle (beginning of year) <sup>f</sup>	Million head	2.40*	2.38*	2.44*	2.47*	2.50*	N.A.
Hogs (beginning of year)	Million head	3.63*	4.48*	4.84*	5.10*	5.20*	N.A.
<b>Manufactured items</b>							
Metalcutting machine tools	Thousand units	0.65*	0.50*	N.A.	N.A.	N.A.	N.A.
Cement	Thousand metric tons	408*	660*	665*	200	120	250
<b>Trade</b>							
Imports (f.o.b.) <sup>g</sup>	Million US \$	128 <sup>h</sup>	195	250	356	417	429
Exports (f.o.b.) <sup>g</sup>	Million US \$	80 <sup>h</sup>	102	85	57	57	45

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data exclude the armed forces but include the unemployed.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Data are for the estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of the ores mined.

<sup>d</sup> Corn and rice only.

<sup>e</sup> Excluding manioc.

<sup>f</sup> Including buffaloes.

<sup>g</sup> Unless otherwise indicated, estimated data based on data of trading partner countries.

<sup>h</sup> Estimated.

Table 43

## Albania: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross industrial production <sup>a</sup> .....	1960=100 .....	100*	139*	156*	176*	209* <sup>b</sup>	232* <sup>b</sup>
Total population (midyear).....	Million persons.....	1.6*	1.9*	1.9*	2.0*	2.0*	2.1*
Labor force (midyear) <sup>c</sup> .....	Million persons.....	0.73*	0.82*	0.84*	0.87*	0.89*	0.91*
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>d</sup> )..	Million metric tons.....	1.1*	1.4	1.5	1.6	1.7	2.0
Electric power (gross).....	Billion kilowatt-hours.....	0.19*	0.35*	0.44*	0.59*	0.71*	0.93*
Brown coal and lignite.....	Million metric tons.....	0.3*	0.3*	0.4*	0.4	0.5	0.6
Crude oil.....	Million metric tons.....	0.73*	0.82*	0.89*	0.98*	1.04	1.17
<b>Minerals and metals</b>							
Iron ore <sup>e</sup> .....	Million metric tons.....	0.26*	0.39*	0.39*	0.40*	N.A.	N.A.
Chromite <sup>f</sup> .....	Thousand metric tons.....	130*	141	137	148	165	189
Blister copper.....	Thousand metric tons.....	0.9*	4.2*	4.8*	4.8*	5.5*	6.4*
<b>Agriculture</b>							
Grain <sup>g</sup> .....	Million metric tons.....	0.22*	0.33*	0.38	0.50	0.48	N.A.
Potatoes.....	Million metric tons.....	0.02*	0.02*	0.11*	0.12*	0.16	N.A.
Cattle (beginning of year) <sup>h</sup> .....	Million head.....	0.43*	0.43*	0.43*	0.42	N.A.	N.A.
Hogs (beginning of year).....	Million head.....	0.12*	0.15*	0.14*	0.14	N.A.	N.A.
Ginned cotton.....	Thousand metric tons.....	5.4*	8.2*	8.2*	7.3*	N.A.	N.A.
Wool (grease basis).....	Thousand metric tons.....	2.2	2.3	2.2	2.2	N.A.	N.A.
<b>Manufactured items</b>							
Cement.....	Thousand metric tons.....	73*	134*	139*	221*	303*	N.A.
<b>Transportation and trade</b>							
Railroad freight traffic.....	Million ton-kilometers.....	50*	100*	110*	120*	150*	170*
Motor vehicle freight traffic.....	Million ton-kilometers.....	328*	454*	527*	570*	633*	700*
Imports (f.o.b.).....	Million US \$.....	81*	105* <sup>b</sup>	107* <sup>b</sup>	109* <sup>b</sup>	116* <sup>b</sup>	N.A.
Exports (f.o.b.).....	Million US \$.....	49*	63* <sup>b</sup>	66* <sup>b</sup>	67* <sup>b</sup>	75* <sup>b</sup>	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Socialized industry only.

<sup>b</sup> Estimated.

<sup>c</sup> Including the armed forces and the unemployed.

<sup>d</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>e</sup> Iron-nickel ore that is mined for its nickel content.

<sup>f</sup> Data are for the estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of the ores mined.

<sup>g</sup> Data are for barley, corn, oats, rice, rye, wheat, and buckwheat.

<sup>h</sup> Including buffaloes.

SECRET

SECRET



Table 44  
Cuba: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross national product.....	Billion 1957 US \$.....	3.10* <sup>a</sup>	3.01*	2.92*	3.18*	3.02*	N.A.
Total population (midyear).....	Million persons.....	6.5*	7.2*	7.3*	7.5*	7.6*	7.7*
<b>Fuels and power</b>							
Electric power (gross).....	Billion kilowatt-hours.....	2.98*	3.56*	3.66*	4.06*	4.20*	N.A.
<b>Minerals and metals</b>							
Crude steel.....	Thousand metric tons.....	N.A.	30	60*	120*	N.A.	N.A.
Manganese ore.....	Thousand metric tons.....	123*	120	115	N.A.	N.A.	N.A.
Refined nickel <sup>b</sup> .....	Thousand metric tons.....	14.7	28.2	27.9	32.0	37.0*	37.0*
Chromite <sup>c</sup> .....	Thousand metric tons.....	10.0* <sup>d</sup>	14.4	13.1	N.A.	N.A.	N.A.
<b>Agriculture</b>							
Grain <sup>e</sup> .....	Thousand metric tons.....	410	70	90	100	100	200
Rice (rough, or paddy).....	Thousand metric tons.....	306*	50	68	94	94	190
Potatoes <sup>f</sup> .....	Thousand metric tons.....	90*	80	100	100	120	N.A.
Milk.....	Thousand metric tons.....	742*	620*	690	680*	650*	N.A.
Sugar <sup>g</sup> .....	Million metric tons.....	5.86*	6.22*	4.53*	6.34*	5.28*	4.54*
Molasses.....	Million metric tons.....	1.6*	2.1*	1.2*	1.9*	N.A.	N.A.
Fish catch.....	Thousand metric tons.....	31.2*	40.3*	43.2*	62.9*	65.7*	85.0*
Green coffee.....	Thousand metric tons.....	42.0*	23.9	33.4	34.3	29.1	35.0
Cattle (beginning of year).....	Million head.....	5.76*	6.61	6.70	6.77	7.10*	N.A.
Ginned cotton.....	Thousand metric tons.....	7.2*	0.8	0.5	1.0	N.A.	N.A.
Tobacco.....	Thousand metric tons.....	52.2*	43.4	51.3	45.5	46.5	N.A.
<b>Manufactured items</b>							
Rubber tires.....	Thousand units.....	343*	197	306	414	N.A.	N.A.
Cement.....	Thousand metric tons.....	813*	801	750	835	N.A.	N.A.
<b>Trade</b>							
Imports (c.i.f.).....	Billion US \$.....	0.55*	0.86*	0.92*	1.00	1.06	1.08
Exports (f.o.b.).....	Billion US \$.....	0.62*	0.69*	0.60*	0.72	0.62	0.61

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are for 1961.

<sup>b</sup> Nickel content of oxide and sulfides.

<sup>c</sup> Data are for the estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of the ores mined.

<sup>d</sup> US imports.

<sup>e</sup> Corn and rice only.

<sup>f</sup> Data reflect government collections only; total production is considerably higher.

<sup>g</sup> Raw cane sugar of 96° polarization.

Table 45

## Mongolia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Gross industrial production	1960=100	100*	165*	176*	189*	204*	225*
Total population (midyear)	Million persons	1.0*	1.1*	1.1*	1.2*	1.2*	1.2*
<b>Fuels and power</b>							
Electric power (gross)	Million kilowatt-hours	106*	242*	215*	245*	289*	340*
Coal	Million metric tons	0.62*	0.99*	1.05*	1.10*	1.26*	1.41*
Diesel fuel	Thousand metric tons	7.0*	6.6*	N.A.	N.A.	N.A.	N.A.
Petroleum	Thousand metric tons	28.6*	15.9*	N.A.	N.A.	N.A.	N.A.
Gasoline	Thousand metric tons	17.8*	17.0*	N.A.	N.A.	N.A.	N.A.
<b>Agriculture</b>							
Grain <sup>a</sup>	Thousand metric tons	256*	354*	297*	350*	N.A.	N.A.
Fresh butter <sup>b</sup>	Thousand metric tons	4.8*	4.1*	N.A.	N.A.	N.A.	N.A.
Livestock	Million head	20.7*	23.8*	22.0*	22.2*	18.0*	18.7*
<b>Manufactured items</b>							
Hides and skins	Million units	0.92*	1.97*	N.A.	N.A.	N.A.	N.A.
Bricks	Million units	77.5	47.3*	N.A.	42.8	54.1	62.6*
Leather footwear	Million pairs	0.90*	1.40*	1.48*	1.66*	1.78*	1.94*
<b>Transportation and trade</b>							
Railroad freight traffic	Billion ton-kilometers	3.0*	0.9	N.A.	N.A.	N.A.	N.A.
Imports (f.o.b.)	Million US \$	121	150	179	209	225	N.A.
Exports (f.o.b.)	Million US \$	73	98	86	86	80	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are for barley, oats, wheat, and miscellaneous grain.

<sup>b</sup> Excluding butter prepared by the self-employed for their own use.

SECRET

SECRET

Table 46

## Yugoslavia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Aggregative data</b>							
Index of industrial production.....	1960=100.....	100	166	173	172	183	203
Total population (midyear).....	Million persons.....	18.4	19.5	19.7	19.9	20.2	20.4
Labor force (midyear) <sup>a</sup> .....	Million persons.....	8.32	8.88	8.99	9.08	9.21	9.35
<b>Fuels and power</b>							
Primary energy (coal equivalents <sup>b</sup> )..	Million metric tons.....	15.5	21.3	21.4	20.8	21.6	22.3
Electric power (gross).....	Billion kilowatt-hours.....	8.93	15.5	17.2	18.7	20.6	23.0
Metallurgical coke.....	Million metric tons.....	1.08	1.27	1.23	1.22	1.23	1.23
Crude oil.....	Million metric tons.....	0.94	2.06	2.22	2.37	2.49	2.70
Natural gas.....	Million cubic meters.....	53	330	402	461	584	730
<b>Minerals and metals</b>							
Crude steel.....	Million metric tons.....	1.44	1.77	1.87	1.83	2.00	2.08
Rolled steel.....	Million metric tons.....	0.97	1.19	1.23	1.18	1.51	1.66
Iron ore.....	Million metric tons.....	2.20	2.50	2.49	2.58	2.72	2.72
Refined copper.....	Thousand metric tons.....	35.1	56.4	62.9	66.2	70.1	82.0
Primary aluminum.....	Thousand metric tons.....	25	39	42	45	48	48
Bauxite.....	Million metric tons.....	1.02	1.57	1.89	2.13	2.07	2.13
<b>Agriculture</b>							
Grain <sup>c</sup> .....	Million metric tons.....	10.9	10.6	13.9	13.2	12.1	13.6
Meat <sup>d</sup> .....	Thousand metric tons.....	522	639	558	636	655	600
Milk.....	Million metric tons.....	2.28	2.30	2.51	2.60	2.71	2.75
Fish catch.....	Thousand metric tons.....	30.9	41.9	45.5	48.0	45.0	N.A.
Cattle (beginning of year).....	Million head.....	5.30	5.22	5.58	5.71	5.69	5.26
Hogs (beginning of year).....	Million head.....	6.21	6.98	5.12	5.52	5.86	5.09
<b>Manufactured items</b>							
Sulfuric acid (100%).....	Thousand metric tons.....	130	435	542	592	589	695
Mineral fertilizer (nutrients).....	Thousand metric tons.....	45	226	279	305	309	300
Cotton fabrics.....	Million square meters.....	257	394	416	378	401	416
Cement.....	Million metric tons.....	2.40	3.10	3.23	3.31	3.76	3.96
Tractors.....	Thousand units.....	7.3	7.4	8.7	8.8	10.9	10.8
Passenger automobiles.....	Thousand units.....	10.5	35.9	37.7	47.9	59.4	80.5
Trucks and buses (civilian).....	Thousand units.....	5.5	11.9	11.8	12.7	13.4	14.0
<b>Transportation and trade</b>							
Railroad freight traffic <sup>e</sup> .....	Billion ton-kilometers.....	15.2	18.0	17.5	16.4	16.4	17.7
Imports (c.i.f.).....	Billion US \$.....	0.83	1.29	1.58	1.71	1.80	2.14
Exports (f.o.b.).....	Billion US \$.....	0.57	1.09	1.22	1.25	1.26	1.48

<sup>a</sup> Including the armed forces and the unemployed.<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>c</sup> Data are for barley, corn, oats, rice, rye, and wheat.<sup>d</sup> Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, and horsemeat; and include live exports.<sup>e</sup> Including service traffic.ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

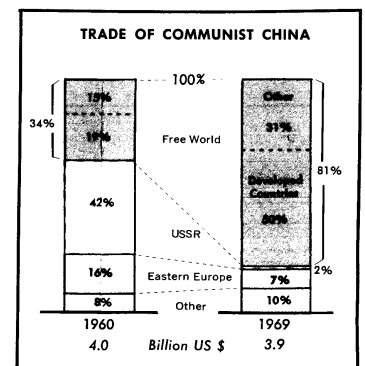
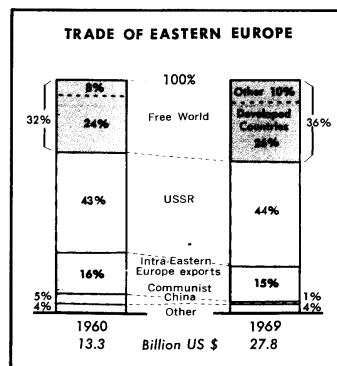
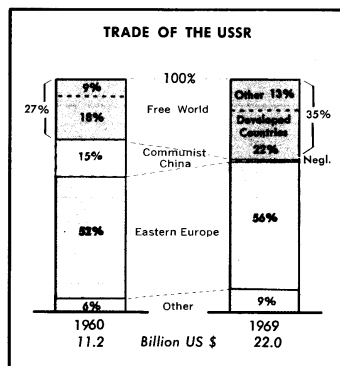
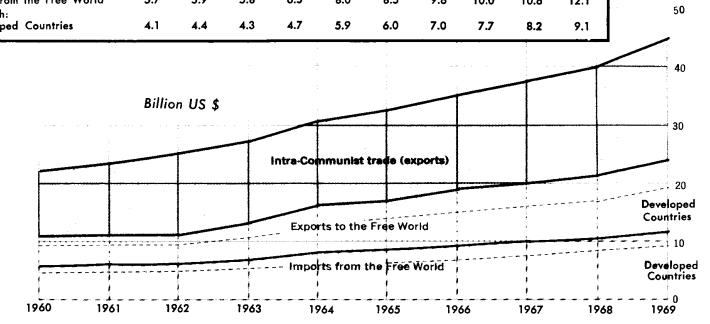
FOREIGN TRADE

**SECRET**

Figure 10

**DIRECTION OF FOREIGN TRADE OF THE COMMUNIST COUNTRIES**

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Total Trade	22.3	23.3	24.9	27.0	30.4	32.6	35.2	37.4	40.0	44.6
Intra-Communist trade (exports)	11.7	12.3	13.3	14.1	15.2	16.0	16.3	17.6	19.3	20.7
Exports to the Free World	5.0	5.1	5.8	6.4	7.2	8.2	9.3	9.8	10.1	11.8
Of which:										
Developed Countries	3.5	3.3	3.4	3.9	4.4	4.9	5.7	6.1	6.4	7.3
Imports from the Free World	5.7	5.9	5.8	6.5	8.0	8.5	9.6	10.0	10.6	12.1
Of which:										
Developed Countries	4.1	4.4	4.3	4.7	5.9	6.0	7.0	7.7	8.2	9.1



**SECRET**

Table 47

World Exports,<sup>a</sup> by Selected Country and Region

Billion US \$

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
World.....	130	135	143	156	174	188	206	217	241	274
Free World.....	113	118	124	135	152	164	180	189	212	242
Of which:										
United States.....	20.6	21.0	21.7	23.4	26.6	27.5	30.4	31.6	34.6	38.0
Western Europe.....	51.4	55.1	58.1	63.3	70.8	78.5	85.7	90.2	101	118
Japan.....	4.1	4.2	4.9	5.5	6.7	8.5	9.8	10.4	13.0	16.0
Communist Countries.....	16.7	17.4	19.1	20.5	22.4	24.2	25.6	27.4	29.4	32.5
Of which:										
USSR.....	5.6	6.0	7.0	7.3	7.7	8.2	8.8	9.7	10.6	11.7
Eastern Europe.....	7.6	8.3	8.9	9.9	10.9	11.8	12.3	13.4	14.5	16.2
Communist China.....	1.9	1.5	1.5	1.6	1.8	2.0	2.2	1.9	1.9	2.1

<sup>a</sup> Including foreign aid where possible. Data are f.o.b.

Table 48

## Trade of the US with the USSR and East European Communist Countries

Million US \$

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
US exports to <sup>a</sup> .....	193.9	133.3	125.4	166.8	339.9	140.0	197.6	195.2	215.0	249.3
USSR <sup>b</sup> .....	39.3	45.6	20.2	22.9	146.4	45.2	41.7	60.3	57.7	105.5
Eastern Europe.....	154.6	87.8	105.1	143.9	193.5	94.8	155.8	134.9	157.3	143.7
US imports from <sup>a</sup> .....	80.9	81.0	78.8	81.4	98.4	137.4	178.6	176.9	198.1	195.1
USSR <sup>b</sup> .....	22.6	23.2	16.3	21.2	20.7	42.6	49.6	41.2	58.5	51.5
Eastern Europe.....	58.2	57.8	62.5	60.2	77.7	94.7	129.0	135.7	139.7	143.6

<sup>a</sup> Exports include reexports and are valued f.a.s. Imports are general imports and are valued f.o.b. port of export.

<sup>b</sup> Including data for Estonia, Latvia, and Lithuania.

ALL DATA IN THESE TABLES ARE UNCLASSIFIED

ALL DATA IN THESE TABLES ARE UNCLASSIFIED

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 49

Trade of the US with the USSR, by Commodity <sup>a</sup>

Thousand US \$

	1960	1965	1966	1967	1968
	Exports to the USSR <sup>b</sup>				
Total exports <sup>c</sup> .....	39,255	45,117	41,668	60,276	57,404
Food and beverages.....	60	0	97	9	15
Tobacco and tobacco manufactures.....	0	36	48	248	896
Crude materials.....	4,022	15,902	23,233	32,326	18,030
Hides and skins except fur skins.....	2,622	6,170	15,560	19,323	5,227
Pulp and waste paper.....	0	1,986	5,265	7,408	11,661
Manmade fibers.....	1,400	1,353	2,403	5,396	1,090
Oils, fats, and waxes.....	0	17,493	7,599	0	0
Chemicals.....	3,099	5,730	4,883	13,125	20,636
Basic manufactures.....	12,310	59	1,203	1,690	685
Machinery and transport equipment.....	19,254	5,155	4,080	11,504	14,997
Nonelectric machinery.....	17,403	2,636	3,472	9,264	11,853
Electric machinery and appliances.....	49	447	444	1,587	2,681
Transport equipment.....	1,802	2,072	164	653	463
Miscellaneous manufactures.....	258	144	331	1,172	1,917
Other.....	252	598	194	202	228
	Imports from the USSR <sup>d</sup>				
Total imports <sup>e</sup> .....	22,779	42,584	49,543	41,049	58,262
Food, beverages, and tobacco.....	221	568	767	894	411
Crude materials.....	8,008	13,867	16,390	14,440	15,510
Furs skins, undressed.....	5,967	6,176	6,302	4,227	4,633
Chrome ore.....	160	4,373	6,323	6,785	7,297
Oils, fats, and waxes.....	0	0	3	1,984	2
Chemicals.....	8,175	960	1,391	1,149	1,017
Basic manufactures <sup>e</sup> .....	5,738	26,428	30,280	21,752	40,000
Platinum group metals <sup>e</sup> .....	5,525	22,979	19,048	10,725	24,963
Miscellaneous manufactures.....	317	513	534	721	1,263
Other.....	320	248	178	109	59

<sup>a</sup> Including data for Estonia, Latvia, and Lithuania, which are treated separately in the US Department of Commerce statistics.<sup>b</sup> Exports are domestic exports only, excluding reexports, and are valued f.a.s.<sup>c</sup> The minor differences between the totals shown on this table and those shown on the preceding table are due to differences in definition.<sup>d</sup> General imports for all years except 1960, for which import data are for consumption only. Imports are valued f.o.b. port of export.<sup>e</sup> Data may include unrefined metal.

Table 50  
Trade Turnover of the Communist Countries <sup>a</sup>

	Million US \$						Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
<b>COMMUNIST COUNTRIES</b>								
USSR and Eastern Europe								
USSR.....	11,192*	16,233*	16,754*	18,189*	20,044*	21,982*	7.7*	7.9*
Eastern Europe								
Bulgaria.....	1,204*	2,354*	2,783*	3,030*	3,397*	3,550*	14.3*	10.8*
Czechoslovakia.....	3,745*	5,361*	5,481*	5,544*	6,082*	6,614*	7.4*	5.4*
East Germany.....	4,402*	5,879*	6,420*	6,735*	7,172*	8,112 <sup>c</sup>	6.0*	8.4*
Hungary.....	1,850*	3,030*	3,159*	3,476*	3,592*	4,011*	10.4*	7.3*
Poland.....	2,820*	4,568*	4,766*	5,171*	5,711*	6,353*	10.1*	8.6*
Romania.....	1,365*	2,179*	2,399*	2,941*	3,077*	3,374 <sup>c</sup>	9.8*	11.6*
Far East								
Communist China <sup>c,d</sup> .....	3,975*	3,850*	4,205*	3,860*	3,710*	3,885*	-0.6*	0.2*
North Korea <sup>e</sup> .....	321*	414*	423*	450*	559*	587 <sup>c</sup>	5.2*	9.1*
North Vietnam.....	208 <sup>c</sup>	298 <sup>e</sup>	335 <sup>e</sup>	412 <sup>e</sup>	474 <sup>e</sup>	474 <sup>e</sup>	7.5	12.3
Other								
Albania.....	130*	168 <sup>c</sup>	173 <sup>c</sup>	176 <sup>c</sup>	190 <sup>c</sup>	223 <sup>c</sup>	5.3*	7.3*
Cuba.....	1,168*	1,551*	1,521*	1,718	1,685	1,680 <sup>c</sup>	5.8*	2.0
Yugoslavia.....	1,393*	2,379*	2,796*	2,959*	3,061*	3,610*	11.3*	11.0*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

<sup>b</sup> The base year is the year prior to the stated period.

<sup>c</sup> Estimated.

<sup>d</sup> Rounded to the nearest US \$5 million.

<sup>e</sup> Estimated data based on data of trading partner countries.

SECRET

SECRET



## SECRET

Table 51

Trade Among the Communist Countries <sup>a</sup>

Million US \$

	Exports by Designated Country					
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe						
USSR.....	4,211*	5,556*	5,873*	6,377*	7,134*	7,682*
Eastern Europe						
Bulgaria.....	480*	934*	997*	1,135*	1,270*	1,423*
Czechoslovakia.....	1,395*	1,965*	1,928*	2,051*	2,131*	2,293*
East Germany.....	1,672*	2,297*	2,386*	2,599*	2,904*	N.A.
Hungary.....	625*	1,058*	1,089*	1,167*	1,286*	1,418*
Poland.....	830*	1,409*	1,400*	1,611*	1,878*	2,066*
Romania.....	523*	756*	735*	789*	873*	N.A.
Far East						
Communist China <sup>b c</sup> .....	1,320*	650*	595*	460*	460*	435*
North Korea <sup>d</sup> .....	149*	177*	189*	189*	206*	214* <sup>b</sup>
North Vietnam.....	64 <sup>b</sup>	79 <sup>d</sup>	64 <sup>d</sup>	45 <sup>d</sup>	47 <sup>d</sup>	32 <sup>d</sup>
Other						
Albania.....	48*	59* <sup>b</sup>	62* <sup>b</sup>	62* <sup>b</sup>	66* <sup>b</sup>	N.A.
Cuba.....	151*	536*	485*	582	480	420 <sup>b</sup>
Yugoslavia.....	183*	465*	455*	459*	457*	471* <sup>b</sup>
<b>Imports by Designated Country</b>						
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe						
USSR.....	3,978*	5,610*	5,264*	5,946*	6,367*	6,696*
Eastern Europe						
Bulgaria.....	531*	874*	1,028*	1,165*	1,367*	1,396*
Czechoslovakia.....	1,294*	1,961*	1,923*	1,929*	2,219*	2,373*
East Germany.....	1,620*	2,046*	2,307*	2,394*	2,558*	N.A.
Hungary.....	687*	1,018*	1,016*	1,183*	1,235*	1,306*
Poland.....	950*	1,548*	1,604*	1,737*	1,838*	2,112*
Romania.....	474*	660*	694*	754*	827*	N.A.
Far East						
Communist China <sup>b c</sup> .....	1,285*	515*	505*	340*	340*	300*
North Korea <sup>d</sup> .....	160*	180*	170*	192*	256*	275* <sup>b</sup>
North Vietnam.....	118 <sup>b</sup>	180 <sup>d</sup>	237 <sup>d</sup>	350 <sup>d</sup>	410 <sup>d</sup>	418 <sup>d</sup>
Other						
Albania <sup>e</sup> .....	77*	98* <sup>b</sup>	99* <sup>b</sup>	102* <sup>b</sup>	105* <sup>b</sup>	N.A.
Cuba.....	120*	658*	738*	792	850	815 <sup>b</sup>
Yugoslavia.....	212*	375*	507*	462*	494*	517* <sup>b</sup>

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.<sup>b</sup> Estimated.<sup>c</sup> Rounded to the nearest US \$5 million.<sup>d</sup> Estimated data based on data of trading partner countries.<sup>e</sup> Including imports from non-Communist countries estimated to have been financed by Communist China.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 52

Trade of the Communist Countries with the Free World <sup>a</sup>

Million US \$

	Exports to the Free World					
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
<b>USSR and Eastern Europe</b>						
USSR.....	1,352	2,618	2,968	3,275	3,500	3,973
<b>Eastern Europe</b>						
Bulgaria.....	91	242	308	323	345	378
Czechoslovakia.....	535	723	817	813	874	1,026
East Germany.....	535	773	819	857	881	N.A.
Hungary.....	249	452	504	534	504	666
Poland.....	495	819	872	915	979	1,077
Romania.....	194	346	451	606	595	N.A.
<b>Far East</b>						
Communist China <sup>b c</sup> .....	625	1,345	1,575	1,455	1,430	1,625
North Korea <sup>d</sup> .....	5	21	32	37	47	50 <sup>b</sup>
North Vietnam <sup>d</sup> .....	16	23	21	12	10	13
<b>Other</b>						
Albania.....	1	4 <sup>b</sup>	4 <sup>b</sup>	5 <sup>b</sup>	9 <sup>b</sup>	N.A.
Cuba.....	467	150	111	135	145	190 <sup>b</sup>
Yugoslavia.....	383	627	765	793	807	1,004 <sup>b</sup>
<b>Imports from the Free World</b>						
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
<b>USSR and Eastern Europe</b>						
USSR.....	1,650	2,448	2,649	2,591	3,043	3,631
<b>Eastern Europe</b>						
Bulgaria.....	102	303	450	407	415	353
Czechoslovakia.....	522	711	813	751	858	921
East Germany.....	574	763	908	884	830	N.A.
Hungary.....	288	502	550	592	568	622
Poland.....	546	793	890	908	1,015	1,098
Romania.....	174	418	519	792	782	N.A.
<b>Far East</b>						
Communist China <sup>b c</sup> .....	745	1,340	1,530	1,605	1,480	1,525
North Korea <sup>d</sup> .....	7	36	32	32	49	70 <sup>b</sup>
North Vietnam <sup>d</sup> .....	10	15	13	6	7	11
<b>Other</b>						
Albania <sup>e</sup> .....	4	7 <sup>b</sup>	8 <sup>b</sup>	7 <sup>b</sup>	11 <sup>b</sup>	N.A.
Cuba.....	430	207	187	209	210	260 <sup>b</sup>
Yugoslavia.....	614	913	1,068	1,245	1,303	1,618 <sup>b</sup>

<sup>a</sup> Official statistics of the countries listed, except where data are estimated. Official statistics for exports and imports are f.o.b. except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

<sup>b</sup> Estimated.

<sup>c</sup> Rounded to the nearest US \$5 million.

<sup>d</sup> Estimated data based on data of trading partner countries.

<sup>e</sup> Excluding imports which are estimated to have been financed by Communist China.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 53  
Direction of Soviet Foreign Trade <sup>a</sup>

Million US \$

		Communist Countries					Free World				
		Total Trade	Total	Eastern Europe	Communist China	Other Asian	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries	Unspecified
1960	Exports	5,563.6	4,211.4	3,074.3	817.1	63.9	256.1	1,352.2	983.1	338.3	30.8
	Imports	5,628.4	3,978.3	2,795.0	848.1	97.8	237.4	1,650.1	1,079.8	564.5	5.8
1961	Exports	5,998.4	4,321.1	3,399.7	367.3	118.3	435.7	1,677.3	1,069.3	498.4	109.6
	Imports	5,827.6	4,146.7	3,044.1	551.4	104.8	446.4	1,680.9	1,092.9	579.2	8.8
1962	Exports	7,030.5	4,905.2	3,971.1	233.4	135.3	565.3	2,125.3	1,115.2	560.0	450.1
	Imports	6,455.4	4,565.5	3,590.3	516.3	118.4	340.4	1,889.9	1,282.8	604.4	2.7
1963	Exports	7,272.4	5,099.4	4,163.3	187.2	138.8	610.1	2,173.0	1,218.1	751.9	203.0
	Imports	7,058.7	4,986.4	4,146.8	413.0	123.4	303.1	2,072.3	1,399.5	664.1	8.7
1964	Exports	7,683.3	5,406.8	4,499.2	135.3	130.6	641.8	2,276.4	1,282.1	775.0	219.3
	Imports	7,736.5	5,346.4	4,450.4	314.2	115.4	466.3	2,390.1	1,734.4	654.1	1.6
1965	Exports	8,174.6	5,556.3	4,552.6	191.7	164.7	647.3	2,618.3	1,438.0	910.7	269.7
	Imports	8,058.3	5,609.8	4,672.6	225.6	118.9	592.8	2,448.4	1,600.8	845.2	2.4
1966	Exports	8,841.0	5,872.8	4,692.0	175.3	153.8	851.8	2,968.2	1,711.4	886.3	370.5
	Imports	7,912.8	5,263.8	4,462.1	143.1	117.7	541.0	2,649.0	1,741.6	903.5	3.8
1967	Exports	9,652.2	6,377.0	5,038.7	50.3	258.0	1,030.0	3,275.2	1,886.1	963.2	425.9
	Imports	8,536.6	5,945.5	5,092.5	56.7	128.9	667.4	2,591.1	1,782.1	805.1	3.9
1968	Exports	10,634.2	7,134.0	5,636.1	59.3	331.5	1,107.2	3,500.2	2,051.2	946.5	502.4
	Imports	9,409.9	6,367.0	5,643.6	36.7	138.7	548.0	3,042.9	2,143.6	884.3	14.9

<sup>a</sup> Official Soviet statistics. Exports and imports are f.o.b.<sup>b</sup> Other Communist countries include Yugoslavia, Mongolia, Cuba, and Albania.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 54  
Soviet Exports, by Commodity<sup>a</sup>

Value in Million US \$

	1960		1965	1966	1967	1968	
	Value	Percent	Value	Value	Value	Value	Percent
Total exports.....	5,563.6	100.0	8,174.6	8,841.0	9,652.2	10,634.2	100.0
Machinery and equipment.....	1,141.2	20.5	1,635.8	1,838.2	2,035.9	2,301.7	21.6
Complete plants.....	568.5	10.2	613.5	641.3	720.8	819.4	7.7
Fuels, lubricants, and related materials.....	901.8	16.2	1,386.4	1,429.5	1,527.3	1,675.2	15.8
Coal and coke.....	242.1	4.4	384.3	358.8	351.1	340.6	3.2
Petroleum and petroleum products.....	657.9	11.8	998.9	1,064.2	1,156.2	1,306.6	12.3
Ores and concentrates.....	242.9	4.4	310.0	302.2	325.8	351.3	3.3
Iron ore.....	175.0	3.1	250.7	241.7	261.6	290.4	2.7
Base metals and manufactures.....	837.7	15.1	1,330.0	1,345.6	1,339.3	1,449.1	13.6
Ferrous metals.....	642.7	11.6	998.3	965.5	974.7	1,012.6	9.5
Rolled ferrous metals.....	428.8	7.7	659.4	632.7	643.7	663.4	6.2
Nonferrous metals.....	194.9	3.5	331.8	380.1	364.6	436.5	4.1
Aluminum.....	44.7	0.8	110.9	118.6	120.9	137.8	1.3
Tin.....	24.6	0.4	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Chemicals.....	150.1	2.7	245.3	277.6	324.8	371.7	3.5
Wood and wood products.....	305.1	5.5	593.6	622.1	626.4	679.6	6.4
Lumber.....	182.8	3.3	312.2	307.6	282.6	292.3	2.7
Textile raw materials and semimanufactures.....	358.6	6.4	421.3	460.1	451.3	476.0	4.5
Cotton fiber.....	288.7	5.2	334.7	367.7	373.1	403.9	3.8
Consumer goods.....	898.9	16.2	904.3	1,046.2	1,358.0	1,333.8	12.5
Food.....	693.4	12.5	664.0	785.9	1,081.0	1,029.8	9.7
Grain.....	467.8	8.4	270.3	232.0	450.4	382.7	3.6
Other consumer goods.....	205.6	3.7	240.4	260.3	277.0	304.0	2.9
Other merchandise.....	209.7	3.8	240.0	309.5	366.0	378.5	3.6
Unspecified.....	515.6	9.3	1,107.8	1,209.9	1,297.3	1,617.3	15.2

<sup>a</sup> Official Soviet statistics. Exports are f.o.b.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 55

Soviet Imports, by Commodity<sup>a</sup>

Value in Million US \$

	1960		1965	1966	1967	1968	
	Value	Percent	Value	Value	Value	Value	Percent
Total imports.....	5,628.4	100.0	8,058.3	7,912.8	8,536.6	9,409.9	100.0
Machinery and equipment.....	1,675.2	29.8	2,692.2	2,564.8	2,916.9	3,474.5	36.9
Transportation equipment.....	660.1	11.7	990.0	943.7	926.6	1,031.4	11.0
Fuels, lubricants, and related materials.....	237.3	4.2	198.5	184.5	185.9	177.5	1.9
Coal and coke.....	93.5	1.7	123.0	127.4	134.5	122.0	1.3
Petroleum and petroleum products.....	143.7	2.6	75.5	57.1	51.4	46.6	0.5
Ores and concentrates.....	314.0	5.6	315.5	300.5	313.7	187.4	2.0
Base metals and manufactures.....	545.9	9.7	393.1	307.8	355.2	451.9	4.8
Ferrous metals.....	373.9	6.6	317.9	249.4	295.2	375.3	4.0
Rolled ferrous metals.....	178.8	3.2	136.0	99.2	145.1	202.7	2.2
Nonferrous metals.....	172.0	3.1	75.2	58.4	59.9	76.6	0.8
Tin.....	34.8	0.6	21.0	16.0	18.4	21.7	0.2
Copper.....	71.9	1.3	0.5	7.6	1.4	11.4	0.1
Chemicals.....	149.3	2.7	375.4	398.4	467.2	535.7	5.7
Rubber and rubber products.....	196.2	3.5	198.9	206.6	182.8	172.1	1.8
Wood and wood products.....	104.8	1.9	150.3	152.2	187.5	200.7	2.1
Textile raw materials and semimanufactures.....	364.5	6.5	357.9	374.7	343.3	368.1	3.9
Cotton fiber.....	179.9	3.2	161.7	140.4	112.6	118.9	1.3
Wool fiber.....	118.0	2.1	100.0	117.9	88.7	109.0	1.2
Consumer goods.....	1,572.2	27.9	2,656.7	2,724.7	2,859.0	3,004.2	31.9
Food.....	611.8	10.9	1,511.1	1,443.8	1,238.5	1,164.9	12.4
Wheat and wheat flour.....	9.6	0.2	424.8	515.1	151.2	124.6	1.3
Other consumer goods.....	960.4	17.1	1,145.6	1,280.9	1,620.5	1,839.4	19.5
Other merchandise.....	375.9	6.7	480.4	478.9	480.4	467.3	5.0
Unspecified.....	93.2	1.7	239.4	219.6	244.7	370.5	3.9

<sup>a</sup> Official Soviet statistics. Imports are f.o.b.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

## SECRET

Table 56

Soviet Exports of Petroleum <sup>a</sup>

	1960	1965	1966	1967	1968	1969
	Million Metric Tons					
Total petroleum.....	33.2*	64.4*	73.6*	79.0*	86.2*	86.3
Free World.....	18.0*	35.5*	41.4*	43.7*	44.7*	41.8
Communist Countries.....	15.2*	28.9*	32.2*	35.4*	41.5*	44.5
Eastern Europe.....	9.2*	22.4*	25.3*	27.7*	32.4*	35.4
Crude oil.....	17.8*	43.4*	50.3*	54.1*	59.2*	60.7
Free World.....	9.0*	21.0*	24.8*	26.8*	26.7*	24.7
Communist Countries.....	8.8*	22.4*	25.5*	27.3*	32.5*	36.0
Eastern Europe.....	6.2*	18.3*	21.0*	22.6*	27.3*	30.8
Petroleum products.....	15.4*	21.0*	23.3*	24.9*	27.0*	25.6
Free World.....	9.0*	14.5*	16.6*	16.9*	18.0*	17.1
Communist Countries.....	6.4*	6.5*	6.7*	8.1*	9.0*	8.5
Eastern Europe.....	3.0*	4.1*	4.3*	5.0*	5.0*	4.6
	Million US \$					
Total petroleum.....	657.9*	998.9*	1,064.2*	1,156.1*	1,306.6*	1,350.0
Free World.....	250.1*	422.3*	486.9*	540.6*	587.2*	575.0
Communist Countries.....	407.8*	576.6*	577.3*	615.6*	719.4*	775.0
Eastern Europe.....	239.7*	469.6*	465.7*	490.2*	566.6*	600.0
Crude oil.....	275.7*	612.0*	657.4*	713.0*	798.3*	865.0
Free World.....	101.5*	214.6*	252.0*	295.4*	308.7*	315.0
Communist Countries.....	174.2*	397.4*	405.4*	417.6*	489.6*	550.0
Eastern Europe.....	137.2*	348.3*	352.2*	363.2*	437.8*	475.0
Petroleum products.....	382.2*	386.9*	406.9*	443.1*	508.3*	485.0
Free World.....	148.6*	207.7*	234.9*	245.2*	278.5*	260.0
Communist Countries.....	233.6*	179.2*	172.0*	198.0*	229.8*	225.0
Eastern Europe.....	102.5*	121.3*	113.5*	127.0*	128.8*	125.0

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Except for the terminal year, data are official Soviet statistics. Data for the Free World are derived as residuals and include exports for which the importing country is not specified.

Table 57

## Soviet Imports of Chemical Equipment

Million US \$

	1960	1965	1966	1967	1968
Total.....	185.6*	208.2*	231.1*	291.8*	309.5*
Eastern Europe.....	49.1*	97.7*	83.8*	115.1*	105.1*
Of which:					
Czechoslovakia.....	24.3*	48.7*	34.9*	51.8*	31.0*
East Germany.....	18.4*	17.9*	23.6*	31.7*	42.2*
Developed Countries.....	136.4*	110.6*	147.3*	176.7*	204.4*
Of which:					
France.....	17.7*	13.4*	19.6*	40.4*	46.7*
Italy.....	22.9*	16.8*	11.3*	11.3*	9.7*
Japan.....	4.0*	6.6*	20.8*	23.8*	23.7*
United Kingdom.....	39.2*	43.7*	58.4*	49.9*	65.8*
West Germany.....	41.6*	18.3*	24.8*	12.1*	25.5*

\* An asterisk indicates that the data are unclassified.

Table 58

## Direction of Chinese Communist Foreign Trade

Million US \$<sup>a</sup>

	Total Trade	Communist Countries				Free World Countries			
		Total	Eastern Europe	USSR	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries	Hong Kong and Macao
1958..... Exports.....	1,910	1,250	260	880	110	660	N.A.	N.A.	N.A.
Imports.....	1,825	1,100	410	635	55	725	N.A.	N.A.	N.A.
1959..... Exports.....	2,205	1,595	330	1,100	165	615	N.A.	N.A.	N.A.
Imports.....	2,060	1,365	325	955	85	695	N.A.	N.A.	N.A.
1960..... Exports.....	1,945	1,320	295	850	175	625	240	245	140
Imports.....	2,030	1,285	335	815	135	745	505	235	Negl.
1961..... Exports.....	1,525	960	140	550	270	560	220	225	115
Imports.....	1,495	715	160	365	190	775	600	175	Negl.
1962..... Exports.....	1,525	915	105	515	295	605	210	260	140
Imports.....	1,150	490	65	235	190	660	475	185	Negl.
1963..... Exports.....	1,570	820	115	415	290	755	265	305	185
Imports.....	1,200	430	50	185	195	770	580	190	Negl.
1964..... Exports.....	1,750	710	100	315	295	1,040	415	350	270
Imports.....	1,470	390	60	135	195	1,080	685	395	Negl.
1965..... Exports.....	1,995	650	95	225	330	1,345	560	425	355
Imports.....	1,855	515	105	190	220	1,340	920	415	5
1966..... Exports.....	2,170	595	130	145	320	1,575	705	470	400
Imports.....	2,035	505	140	175	190	1,530	1,140	385	5
1967..... Exports.....	1,915	460	110	55	295	1,455	635	510	310
Imports.....	1,945	340	135	50	155	1,605	1,345	260	Negl.
1968..... Exports.....	1,890	460	140	35	285	1,430	620	485	325
Imports.....	1,820	340	135	60	145	1,480	1,250	230	Negl.
1969 <sup>c</sup> ..... Exports.....	2,060	435	140	30	265	1,625	685	590	340
Imports.....	1,825	300	140	30	130	1,525	1,255	270	Negl.

<sup>a</sup> Rounded to the nearest US \$5 million.<sup>b</sup> Other Communist countries include Yugoslavia, Mongolia, Albania in 1961-69, and Cuba in 1960-69. Albania is included in the East European Communist countries before 1961, and Cuba is included in the less developed countries of the Free World before 1960.<sup>c</sup> Preliminary.ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 59  
Chinese Communist Exports, by Commodity <sup>a</sup>

Million US \$ <sup>b</sup>

	1966				1967				1968 <sup>c</sup>			
	Total	Communist Countries			Total	Communist Countries			Total	Communist Countries		
		Free World	USSR	Other		Free World	USSR	Other		Free World	USSR	Other
Total.....	2,170	1,575	145	450	1,915	1,455	55	405	1,890	1,430	35	425
Foodstuffs.....	595	465	65	65	505	435	15	55	525	450	10	65
Animals, meat, and fish.....	225	155	45	25	170	150	<i>Negl.</i>	20	175	150	0	25
Grains.....	150	120	0	30	140	115	0	25	125	100	0	25
Fruit and vegetables.....	115	90	15	10	125	105	10	10	140	115	10	15
Crude materials, fuels, and edible oils.....	480	405	15	60	435	380	5	50	405	350	<i>Negl.</i>	55
Oilseeds.....	90	90	0	0	90	90	0	0	85	85	0	0
Textile fibers.....	105	90	5	10	100	90	0	10	90	80	0	10
Crude animal materials.....	90	60	5	25	75	50	0	25	95	65	0	30
Chemicals.....	90	65	5	20	85	60	5	20	85	60	5	20
Manufactures.....	900	535	60	305	830	520	30	280	815	510	20	285
Textile yarn and fabrics.....	280	200	<i>Negl.</i>	80	245	180	5	60	260	190	5	65
Clothing.....	190	50	45	95	160	50	25	85	170	70	15	85
Iron and steel.....	90	60	0	30	70	40	0	30	25	<i>Negl.</i>	0	25
Nonferrous metals.....	40	30	<i>Negl.</i>	10	35	25	<i>Negl.</i>	10	25	15	<i>Negl.</i>	10
Other.....	105	105	0	0	60	60	0	0	60	60	0	0

<sup>a</sup> Free World estimates are based on reasonably complete statistics and adjusted to show Chinese exports f.o.b. Data for the USSR are drawn from official Soviet statistics. Estimates for other Communist countries are based on fragmentary reports and trade agreements.

<sup>b</sup> Rounded to the nearest \$5 million.

<sup>c</sup> Preliminary.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED



Table 60

Chinese Communist Imports, by Commodity <sup>a</sup>Million US \$ <sup>b</sup>

	1966				1967				1968 <sup>c</sup>			
	Total	Free World	Communist Countries		Total	Free World	Communist Countries		Total	Free World	Communist Countries	
			USSR	Other			USSR	Other			USSR	Other
Total.....	2,035	1,530	175	330	1,945	1,605	50	290	1,820	1,480	60	280
Foodstuffs.....	510	430	0	80	380	305	0	75	410	335	0	75
Grain.....	400	400	0	0	295	295	0	0	305	305	0	0
Crude materials, fuels, and edible oils.....	340	250	30	60	320	255	5	60	300	235	5	60
Rubber.....	85	85	0	0	70	70	0	0	80	80	0	0
Textile fibers.....	150	150	0	0	150	150	0	0	100	100	0	0
Chemicals.....	250	225	15	10	285	280	<i>Negl.</i>	5	315	310	<i>Negl.</i>	5
Fertilizer.....	150	150	0	0	200	200	0	0	200	200	0	0
Manufactures.....	910	625	105	180	940	760	40	140	775	590	50	135
Textile yarn and fabrics.....	35	35	0	0	45	45	0	0	40	40	0	0
Iron and steel.....	225	200	10	15	325	295	10	15	265	240	10	15
Nonferrous metals.....	55	50	5	0	85	75	5	5	125	115	5	5
Machinery and equipment.....	490	285	85	120	380	245	25	110	275	135	35	105
Other.....	25	0	25	0	20	5	5	10	20	10	5	5

<sup>a</sup> Free World estimates are based on reasonably complete statistics and adjusted to show Chinese imports c.i.f. Data for the USSR are drawn from official Soviet statistics. Estimates for other Communist countries are based on fragmentary reports and trade agreements.

<sup>b</sup> Rounded to the nearest \$5 million.

<sup>c</sup> Preliminary.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

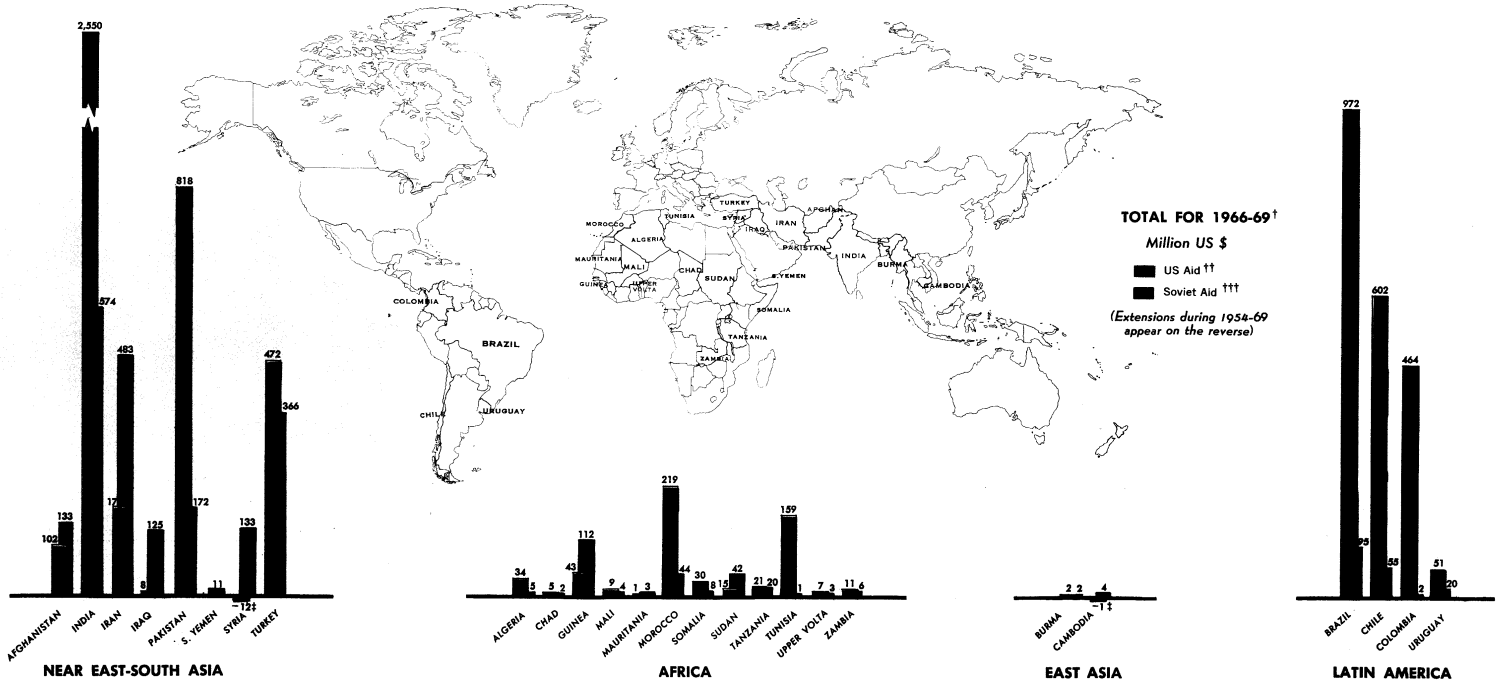
ALL DATA IN THIS TABLE ARE UNCLASSIFIED

AID

SECRET

US AND SOVIET ECONOMIC AID EXTENDED TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD

Figure 11



<sup>†</sup> Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1966-69 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1966 to 1 July 1969.

<sup>††</sup> Including economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PE 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans and US contributions to international organizations.

<sup>†††</sup> Data are for extensions, not actual drawings, and include credits and grants.

<sup>‡</sup> A minus sign indicates deobligations in excess of new obligations.

SECRET

SECRET

ECONOMIC EXTENSIONS DURING 1954-69 <sup>†</sup>

Figure 11 (Continued)

Million US \$

	US AID <sup>††</sup>					SOVIET AID <sup>†††</sup>				
	1954-69	1969	1968	1967	1966	1954-69	1969	1968	1967	1966
<b>Africa</b>	2,575.8	188.5	174.3	240.8	236.3	1,056.4	134.8	5.4	26.2	83.4
Algeria	185.3	2.1	-0.2†	13.2	19.2	1,827.5				5.4
Cameroun	32.7	3.7	0.6	1.4	2.1	7.8				
Chad	8.7	6.8	1.0	1.9	1.2	2.2		2.2		
Congo (B)	2.1	Negl.		-0.2†	-0.2†	13.9				
Ethiopia	222.3	-0.3†	8.8	18.2	52.1	101.8				
Ghana	267.2	38.6	28.8	36.7	9.3	93.0				
Guinea	106.9	33.3	4.2	-0.5†	6.2	199.7	92.2		16.7	2.7
Kenya	66.2	3.6	4.4	4.0	19.3	48.7				
Mali	22.5	3.8	0.2	2.7	2.2	63.7	0.8			3.2
Mauritania	3.3	Negl.	-Negl.†	0.3	0.2	3.3			3.3	
Morocco	692.4	44.1	76.3	41.0	57.9	43.6				43.6
Senegal	35.3	3.6	3.4	6.8	5.7	6.7				
Sierra Leone	43.1	4.2	3.7	3.6	5.2	28.0				
Somalia	76.8	3.4	3.2	16.1	5.0	63.2				8.5
Sudan	102.6	-3.1†	-19.3†	19.6	18.0	64.8	41.8			
Tanzania	65.0	3.1	5.5	6.4	6.3	20.0				20.0
Tunisia	896.4	38.6	46.1	53.7	20.5	34.1			0.6	
Uganda	36.0	5.5	2.5	7.0	3.8	15.6				
Upper Volta	12.6	1.0	2.0	2.9	1.3	3.2		3.2		
Zambia	18.4	2.5	1.1	4.0	1.0	5.6			5.6	
<b>East Asia</b>	1,731.6	296.2	165.3	112.6	76.1	374.0	1.7			3.5
Burma	72.4	0.9	0.3	0.5	0.5	15.4	1.7			
Cambodia	254.2	-0.2†	-0.3†	-0.3†	-0.4†	24.9				3.5
Indonesia	763.6	245.4	102.6	57.5	21.2	332.2				
Laos†	641.1	50.1	62.7	54.9	54.8	1.5				
<b>Latin America</b>	6,150.4	336.6	607.3	694.9	577.1	216.6	20.0	2.5	54.8	95.0
Argentina	657.2	59.3	32.1	1.3	27.7	44.3				
Brazil	2,861.4	31.2	327.4	268.8	344.8	93.0				
Chile	1,445.5	107.8	105.9	284.4	104.3	54.8				
Colombia	1,057.1	128.6	104.6	137.2	93.6	2.5		2.5		54.8
Uruguay	115.2	3.7	37.3	3.2	6.7	20.0	20.0			
<b>Near East-South Asia</b>	17,303.0	706.4	1,154.1	1,195.5	1,369.5	5,190.8	317.5	371.4	209.4	1,099.1
Afghanistan	375.6	21.9	15.2	31.4	33.7	697.4			126.7	5.0
Ceylon	165.2	29.5	27.0	10.4	14.0	30.6				
Greece	543.2		0.7	1.7	-0.7†	7.7				
India	7,913.0	449.4	616.9	582.6	901.5	1,611.8				574.2
Iran	929.4	7.5	41.1	105.9	20.6	523.9		177.8		305.5
Iraq	51.8	0.3	Negl.	2.7	5.2	309.0	120.7		4.4	
Jordan	581.8	11.1	18.5	45.1	44.4	N.A.	N.A.			
Nepal	136.8	11.9	11.1	7.1	21.1	20.8				
Pakistan	3,592.8	84.2	357.6	234.1	141.9	266.5	20.2	66.9		85.2
Southern Yemen						16.6		10.6		
Syria	60.0	0.3	-0.7†	-11.7†	0.4	23.3				133.3
Turkey	2,227.1	90.6	70.0	151.6	159.6	371.2	166.0		200.0	
United Arab Republic	879.7	-0.3†	2.1†	-3.5†	25.1	1,010.0				
Yemen	45.6	-Negl.†	-1.2†	2.1	2.7	92.0				
<b>Total</b>	27,980.8	1,521.7	2,101.0	2,207.8	2,259.0	6,837.8	474.0	379.3	296.4	1,281.0

<sup>†</sup> Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1954-69 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1954 to 1 July 1969.

<sup>††</sup> Including economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agriculture products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

<sup>†††</sup> Data are for extensions, not actual drawings, and include credits and grants.

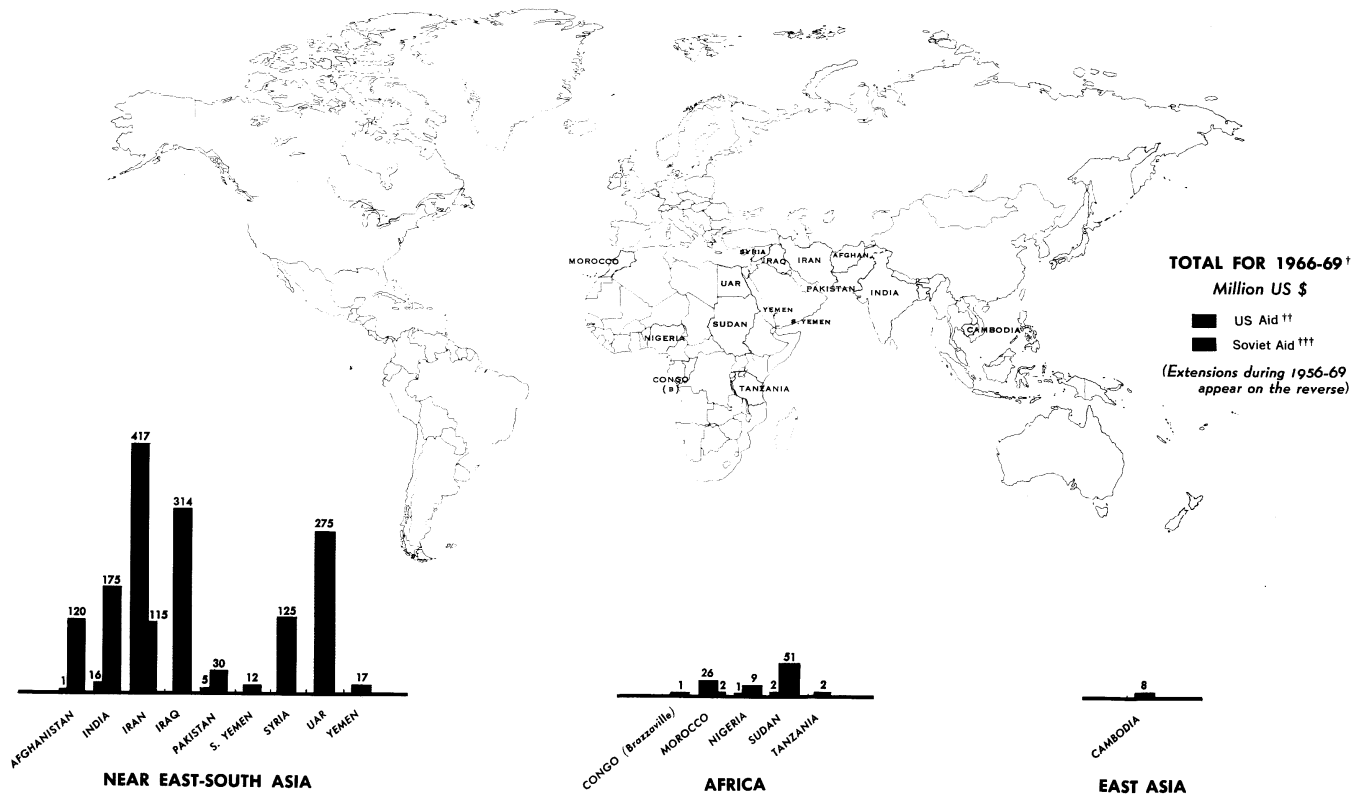
<sup>†††</sup> A minus sign indicates debilitations in excess of new obligations.

<sup>†††</sup> Credits extended after the formation of the Laos Coalition Government under the Geneva Accord of July 1962.

**SECRET**

**US AND SOVIET MILITARY AID TO  
LESS DEVELOPED COUNTRIES OF THE FREE WORLD**

Figure 12



† Including only those less developed countries of the Free World where Soviet aid has been extended during 1966-69 but not all those countries receiving US aid. US data are for 1 July 1966 to 1 July 1969.

†† Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

††† Data are for extensions, not actual drawings, and include credits and grants.

**SECRET**

**SECRET**

Figure 12(Continued)

**MILITARY AID DURING 1956-69<sup>†</sup>**

Million US \$

	US AID <sup>††</sup>					SOVIET AID <sup>†††</sup>				
	1956-69	1969	1968	1967	1966	1956-69	1969	1968	1967	1966
Africa	52.3	5.6	7.7	13.2	5.0	392		61		4
Algeria						245		N.A.		
Congo (B)						3		1		
Ghana	0.1	Negl.	Negl.			10				
Guinea	0.9			0.2	0.7	10				
Mali	2.8			0.7	0.5	4				
Morocco	44.8	5.4	7.5	10.5	3.1	13				2
Nigeria	1.5	Negl.	0.2	0.2	0.4	9		9		
Somalia						35				
Sudan	2.2	0.2	Negl.	1.6	0.3	51		51		
Tanzania						2				2
Uganda						10				
East Asia	153.8	3.8	3.1	0.7	0.7	1,104		6		2
Cambodia	87.1					12		6		2
Indonesia	66.7	3.8	3.1	0.7	0.7	1,092				
Near East-South Asia	1,772.5	166.8	90.9	80.8	101.2	3,810	140	192	535	316
Afghanistan	3.8	0.3	0.3	0.1	0.2	346			110	10
Cyprus						26				
India	99.7	1.6	2.5	5.4	6.9	645	33	42		100
Iran	962.3	162.6	85.8	75.2	93.5	115	5		110	
Iraq	41.3		Negl.	0.1	0.2	697	45	8	80	181
Pakistan	665.3	2.3	2.3	Negl.	0.4	30		30		
Southern Yemen						12	5	7		
Syria	0.1		Negl.	Negl.	Negl.	427	25	75	75	25
United Arab Republic						1,435	50	75	150	
Yemen	Negl.					77	2	5	10	
Total	1,978.6	176.2	101.7	94.7	106.9	5,306	140	259	535	322

<sup>†</sup> Including only those less developed countries of the Free World where Soviet aid has been extended since the inception of the USSR's aid program in 1956, but not all those countries receiving US aid. US data are for 1 July 1956 to 1 July 1969.

<sup>††</sup> Data represent deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation.

<sup>†††</sup> Data are for extensions, not actual drawings, and include credits and grants. Approximately 83% of Soviet military aid extensions have been drawn by the less developed countries; Indonesia, Afghanistan, India, and Iraq account for four-fifths of the aid not yet drawn.

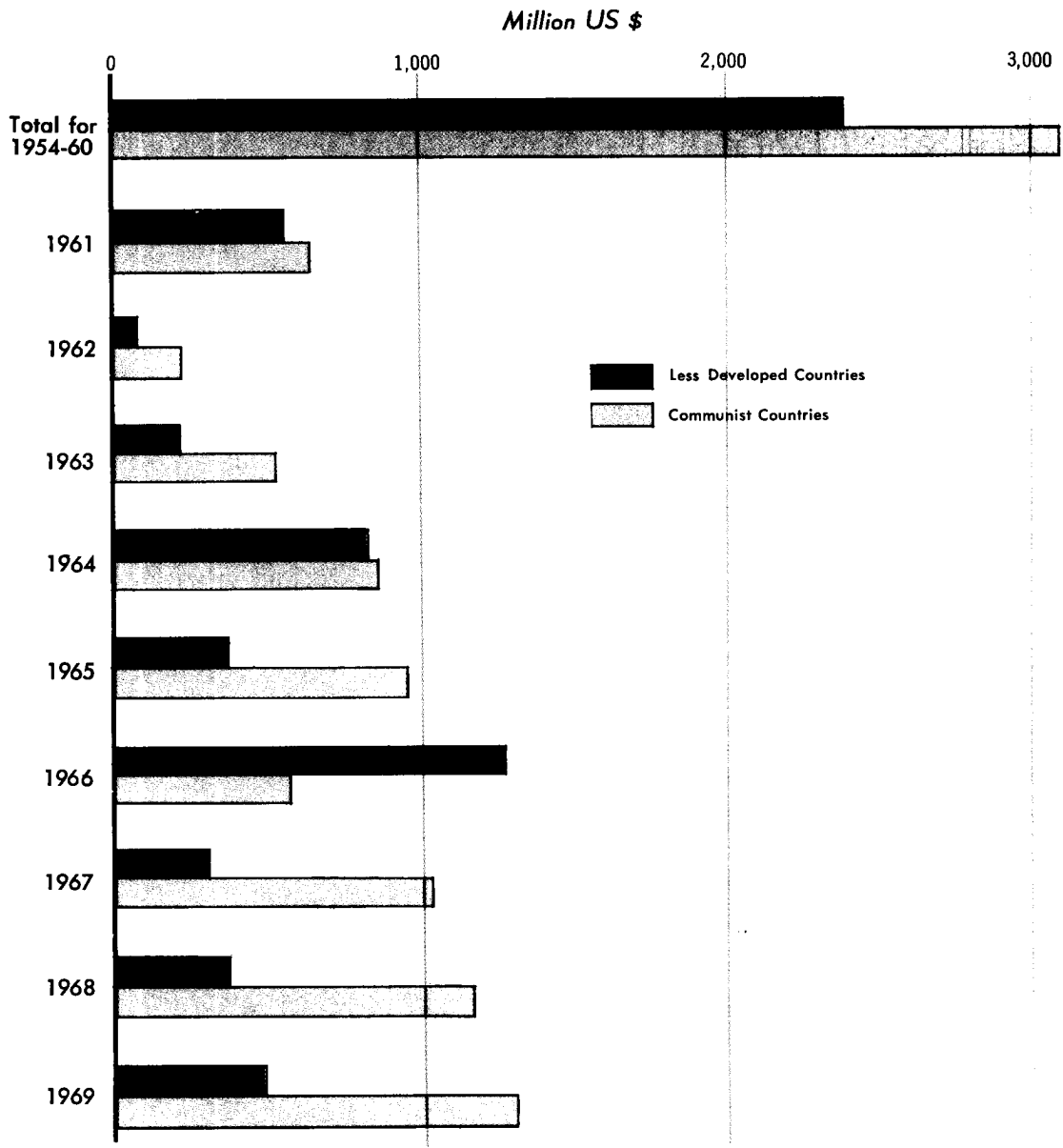
**SECRET**

Figure 13

**SECRET**

## SOVIET ECONOMIC AID EXTENDED

	MILLION US \$										
	Total for 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969	Total
Less Developed Countries	2,379	551	70	217	825	371	1,281	290	379	474	6,838
Communist Countries	3,109†	659	225	515	871	954	577	1,050	1,180	1,311	10,451



† Excluding data for Eastern Europe during 1954-55 because war reparations and other assets and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years.

**SECRET**



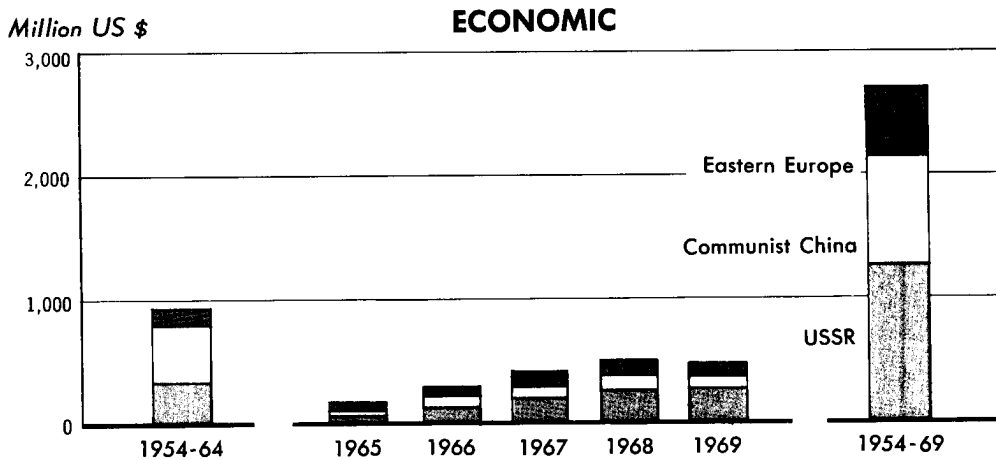


**SECRET**

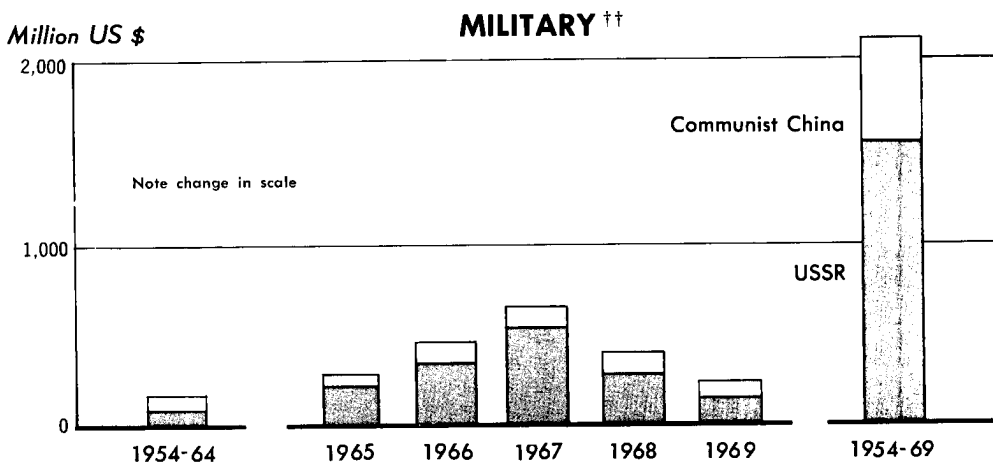
Figure 14

## COMMUNIST ECONOMIC AND MILITARY AID DELIVERED TO NORTH VIETNAM<sup>†</sup>

	MILLION US \$						
	1954-64	1965	1966	1967	1968	1969	1954-69
ECONOMIC DELIVERIES	950	150	275	380	480	470	2,705
USSR	365	85	150	200	240	250	1,290
COMMUNIST CHINA	455	50	75	80	100	90	850
EASTERN EUROPE	130	15	50	100	140	130	565



	MILLION US \$						
	1954-64	1965	1966	1967	1968	1969	1954-69
MILITARY DELIVERIES <sup>††</sup>	140	270	455	650	390	225	2,135 <sup>†††</sup>
USSR	76	210	360	505	290	120	1,555
COMMUNIST CHINA	70	60	95	145	100	105	575
EASTERN EUROPE	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	5 <sup>†††</sup>
NORTH KOREA			Negl.	Negl.	Negl.	Negl.	Negl.



<sup>†</sup> Data are expressed in Soviet foreign trade prices.

<sup>††</sup> Data refer exclusively to combat materiel; excluding aid designed for war-support purposes.

<sup>†††</sup> Including cumulative value of deliveries from Eastern Europe during 1954-69 estimated at \$5 million.

**SECRET**



Table 61

Soviet Military Aid Delivered <sup>a</sup> to North Vietnam

	1966		1967		1968		1969	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)
Total value.....		360		505		290		120
SAM missile systems.....		77		142		78		6
Firing battalions <sup>b</sup> .....	10	44	5	22	10	44		
Replacement missiles <sup>c</sup> .....	1,100	33	4,000	120	1,135	34	200	6
Aircraft.....		45		16		24		51
MIG-21 jet fighters.....	26	21	20	16	23	21	55	50
MIG-15/17 jet fighters.....	42	6						
MI-6 helicopters.....	6	12						
MI-4 helicopters.....	7	1			3	1		
AN-24 medium transports.....	3	3					1	1
IL-18 heavy transports.....	1	2			1	2		
Naval craft.....		0		0		Negl.		Negl.
Poluchat-1-class motor gunboats.....					2	Negl.		
Armed cargo carriers.....							10	Negl.
LCU landing craft.....							5	Negl.
Armor.....		Negl.		5		Negl.		2
T-54 medium tanks.....			40	3				
PT-76 amphibious tanks.....	5	Negl.	10	1			40	2
BTR-40 armored personnel carriers.....	10	Negl.	40	1			14	Negl.
BTR-50 armored personnel carriers.....			3	Negl.				
JSU-122 assault guns.....							3	Negl.
SU-76 assault guns.....			30	Negl.		Negl.		
Artillery.....		50		53		6		7
100-mm antiaircraft artillery.....	100	5						
85-mm antiaircraft artillery.....	55	2	465	19	20	1		
57-mm antiaircraft artillery.....	735	25	590	21	55	2	65	2
37-mm antiaircraft artillery.....	1,850	17	850	8	95	1	350	3
14.5-mm antiaircraft artillery.....	50	Negl.	100	Negl.	40	Negl.	135	1
Field artillery (75-152-mm).....	40	1	325	5	135	2	40	1
Radar.....	160	17	89	9	120	12	35	4
Trucks and other vehicles.....	400	2	850	4	430	2	1,200	6
Small arms and other infantry weapons.....		3		1		2		6
Ammunition (metric tons).....	40,000	164	68,000	275	40,000	164	9,000	37

<sup>a</sup> Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.<sup>b</sup> Price per firing battalion includes an allowance for replacement parts and initial complement of missiles.<sup>c</sup> Data based on the estimated number of missiles fired with some provision for stockpiling.

25X1

SECRET

SECRET

25X1

SECRET

25X1

Table 62

Chinese Communist Military Aid Delivered <sup>a</sup> to North Vietnam

	1966		1967		1968		1969	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)
Total value.....		95		145		100		105
Aircraft.....		0		8		0		11
MIG-19 jet fighters.....							32	11
MIG-15/17 jet fighters.....			61	8				
Naval craft.....		2		4		1		0
Shanghai-class fast patrol boats.....	2	2						
P-6-class motor torpedo boats.....			6	4				
Huchwan-class hydrofoil motor torpedo boat.....					1	1		
Artillery.....		4		8		3		5
57-mm antiaircraft artillery.....	100	4	100	4	30	1	35	1
37-mm antiaircraft artillery.....					45	<i>Negl.</i>	210	2
14.5-mm antiaircraft artillery.....			120	1	25	<i>Negl.</i>	120	1
Field artillery (76-mm).....	40	<i>Negl.</i>	475	3	80	1	110	1
Radar.....	112	9	67	7	50	5	22	2
Trucks and other vehicles.....	400	2	700	4	400	2	300	1
Small arms and other infantry weapons.....		35		22		29		47
Ammunition (metric tons).....	10,000	41	23,000	94	15,000	62	9,000	37

<sup>a</sup> Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.

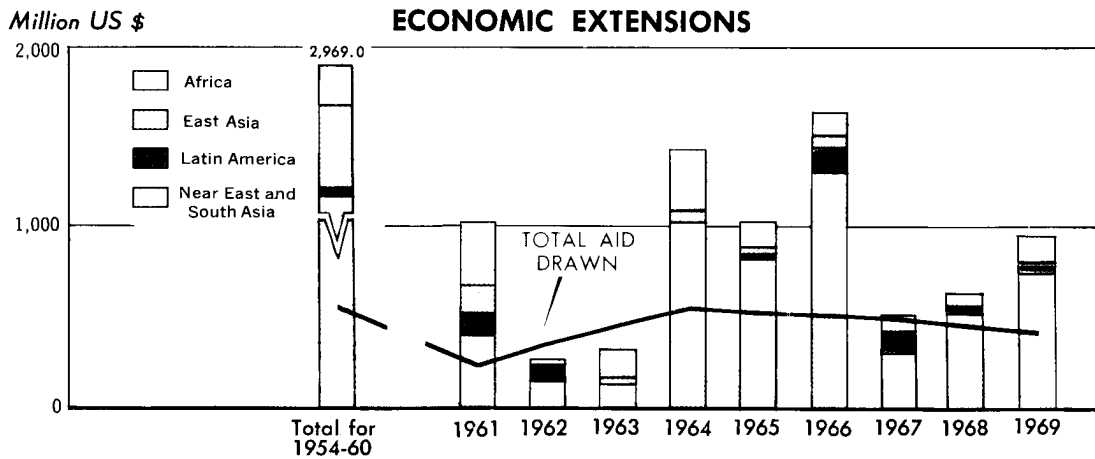
SECRET

**SECRET**

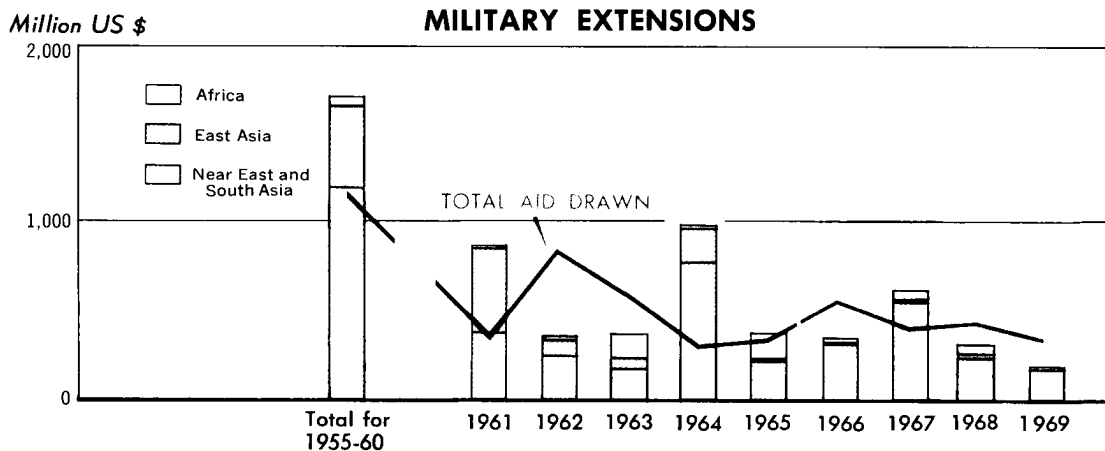
Figure 15

## COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

	MILLION US \$									
	TOTAL FOR 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
<b>ECONOMIC EXTENSIONS</b>	2,969.0	1,010.1	269.0	323.4	1,466.5	1,031.3	1,646.6	516.7	606.2	940.3
AFRICA	277.2	355.7	34.7	184.9	376.2	153.0	136.1	90.9	60.4	157.7
EAST ASIA	526.9	149.1	6.8	20.4	61.1	34.3	62.5		1.0	13.6
LATIN AMERICA	34.2	110.0	70.0			18.3	143.1	116.8	17.5	31.4
NEAR EAST AND SOUTH ASIA	2,130.7	395.3	157.5	118.1	1,029.2	825.7	1,304.9	309.0	527.3	737.6
<b>TOTAL AID DRAWN</b>	531.3	236.7	355.9	425.2	558.4	525.0	513.7	500.8	456.7	414.5



	MILLION US \$									
	TOTAL FOR 1955-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
<b>MILITARY EXTENSIONS</b>	1,717	843	373	379	996	356	344	614	310	182
AFRICA	24	3	17	142	4	154	11	21	72	2
EAST ASIA	488	455	95	62	220	4	2	3	6	
NEAR EAST AND SOUTH ASIA	1,205	385	261	195	772	198	331	590	232	180
<b>TOTAL AID DRAWN</b>	1,143	336	796	576	294	333	541	394	408	341



**SECRET**

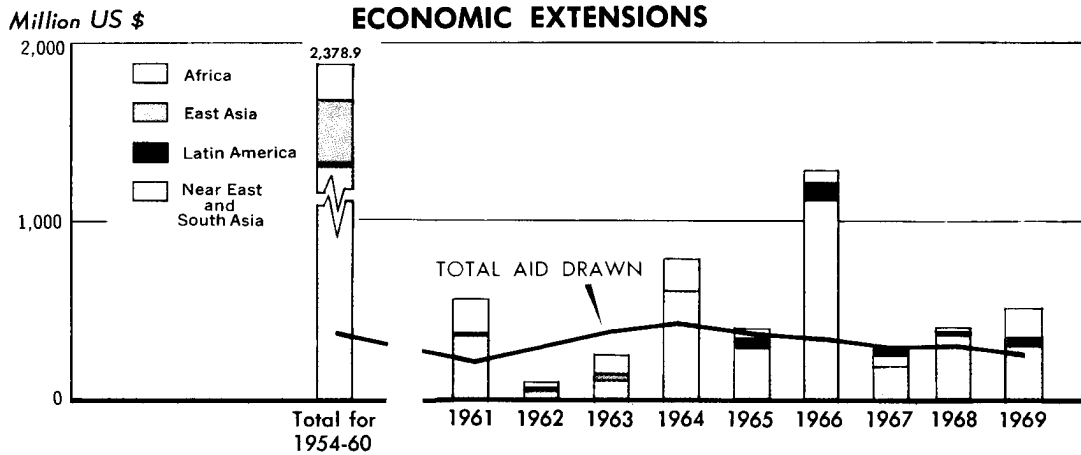
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

**SECRET**

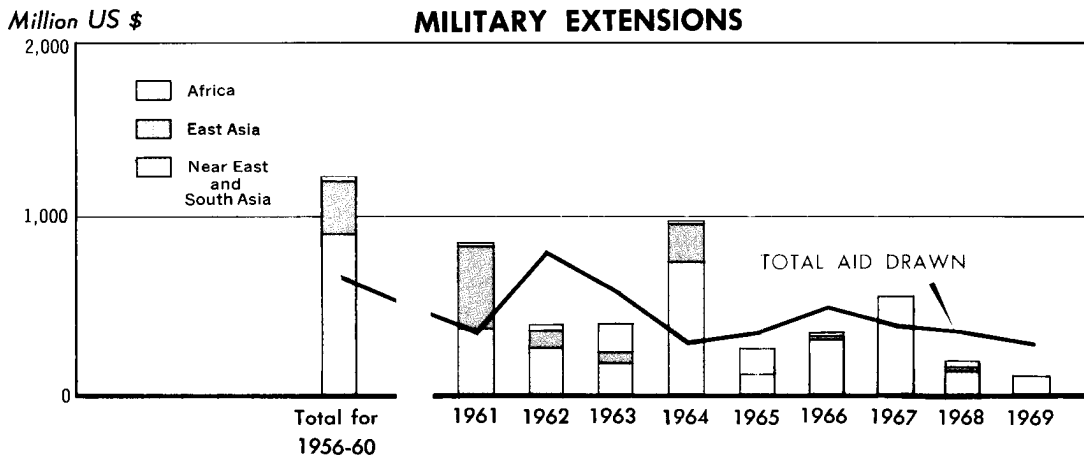
## SOVIET ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

Figure 16

	MILLION US \$									
	TOTAL FOR 1954-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
ECONOMIC EXTENSIONS	2,378.9	551.1	70.2	217.0	824.7	371.2	1,281.0	290.4	379.3	474.0
AFRICA	207.7	197.1	24.7	111.8	211.7	53.6	83.4	26.2	5.4	134.8
EAST ASIA	342.3	3.0	5.4	14.8		3.3	3.5			1.7
LATIN AMERICA	29.0					15.3	95.0	54.8	2.5	20.0
NEAR EAST AND SOUTH ASIA	1,799.9	351.0	40.1	90.4	613.0	299.0	1,099.1	209.4	371.4	317.5
TOTAL AID DRAWN	361.0	183.4	254.3	344.6	377.3	355.3	337.8	289.3	303.0	287.0



	MILLION US \$									
	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
MILITARY EXTENSIONS	1,222	828	373	394	976	257	322	535	259	140
AFRICA	11	2	17	142	3	152	4	61	6	6
EAST ASIA	296	441	95	62	202	2				
NEAR EAST AND SOUTH ASIA	915	385	261	190	771	105	316	535	192	140
TOTAL AID DRAWN	657	322	786	576	286	321	442	373	356	302



**SECRET**



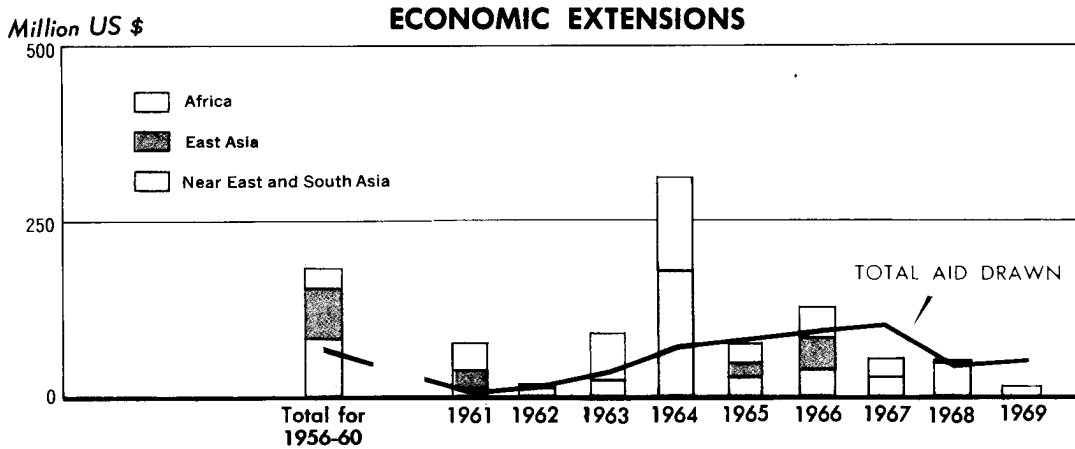


**SECRET**

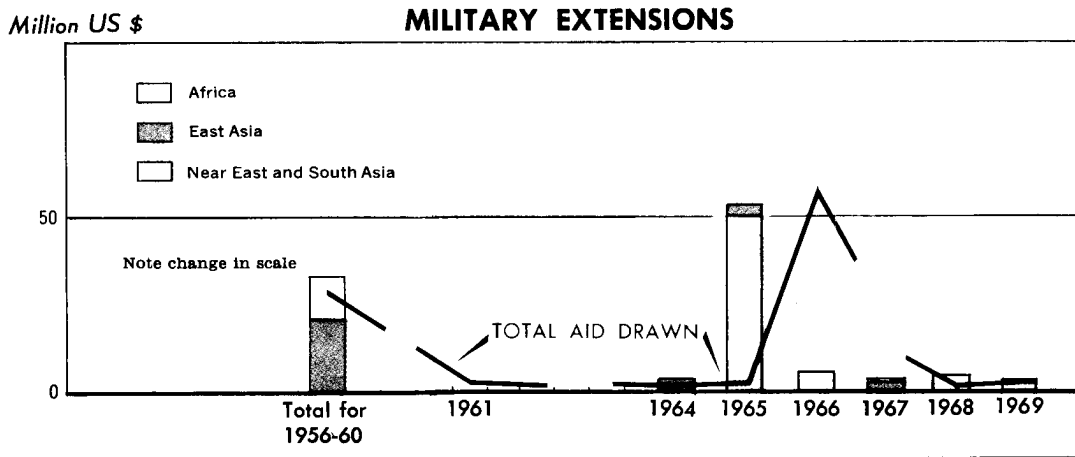
Figure 17

## CHINESE COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

	MILLION US \$									
	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
ECONOMIC EXTENSIONS	181.3	75.0	12.3	88.1	310.9	70.7	119.0	54.5	54.3	11.5
AFRICA	26.5	39.2	1.8	71.6	138.2	24.7	42.5	26.5	0.3	11.5
EAST ASIA	76.8	26.0				18.0	42.9			
NEAR EAST AND SOUTH ASIA	78.0	9.8	10.5	16.5	172.7	28.0	33.6	28.0	54.0	
TOTAL AID DRAWN	67.8	8.7	12.6	21.5	65.3	78.5	89.0	93.5	46.4	47.2



	MILLION US \$									
	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
MILITARY EXTENSIONS	33				4	54	7	4	5	3
AFRICA	12						7	1	5	1
EAST ASIA	21				4	4		3		
NEAR EAST AND SOUTH ASIA						50				2
TOTAL AID DRAWN	30	3			2	3	56		2	3



78280 6-70 CIA

**SECRET**

25X1

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

Table 63

## Communist Economic Aid to Less Developed Countries of the Free World, Extensions and Drawings

Million US \$

	Total		USSR		Eastern Europe		Communist China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1954.....	10.8	1.0	5.8	1.0	5.0	.....	.....	.....
1955.....	150.7	2.7	118.4	2.7	32.3	.....	.....	.....
1956.....	345.3	37.2	252.3	8.8	36.6	7.5	56.4	20.9
1957.....	293.7	61.9	254.6	35.9	23.3	18.9	15.8	7.1
1958.....	482.6	128.4	337.0	96.9	111.2	26.4	34.4	5.1
1959.....	934.9	151.1	856.8	108.7	76.9	17.3	1.2	25.1
1960.....	751.0	149.0	554.0	107.0	123.5	32.4	73.5	9.6
1961.....	1,010.1	236.7	551.1	183.4	384.0	44.6	75.0	8.7
1962.....	269.0	355.9	70.2	254.3	186.5	89.0	12.3	12.6
1963.....	323.4	425.2	217.0	344.6	18.3	59.1	88.1	21.5
1964.....	1,466.5	558.4	824.7	377.3	330.9	115.8	310.9	65.3
1965.....	1,031.3	525.0	371.2	355.3	589.4	91.2	70.7	78.5
1966.....	1,646.6	513.7	1,281.0	337.8	246.6	86.9	119.0	89.0
1967.....	516.7	500.8	290.4	289.3	171.8	118.0	54.5	93.5
1968.....	606.2	456.7	379.3	303.0	172.6	107.3	54.3	46.4
1969.....	940.3	414.5	474.0	287.0	454.8	80.3	11.5	47.2
Total.....	10,779.1	4,518.2	6,837.8	3,093.0	2,963.7	894.7	977.6	530.5

Table 64

## Communist Military Aid to Less Developed Countries of the Free World, Extensions and Drawings

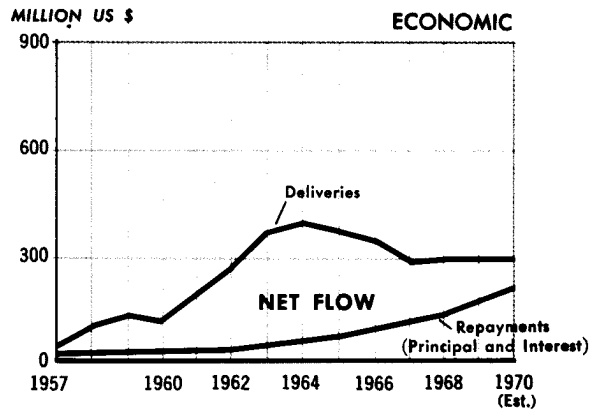
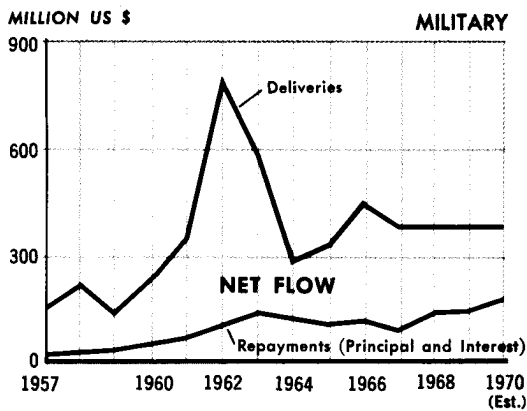
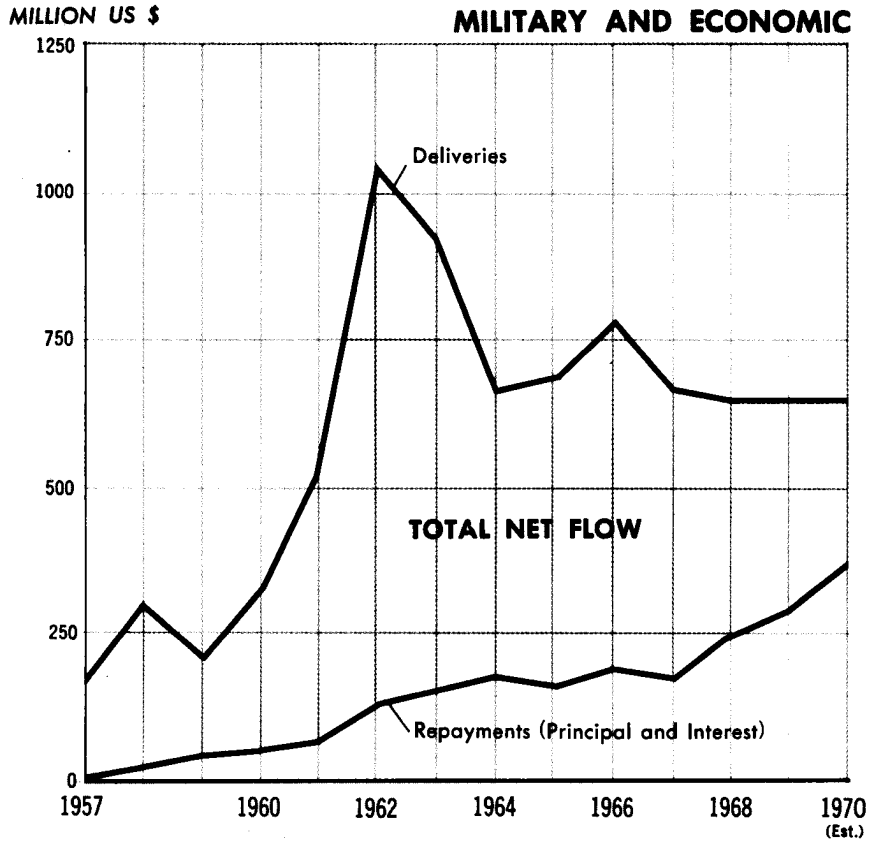
Million US \$

	Total		USSR		Eastern Europe		Communist China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1955.....	115	53			115	53		
1956.....	286	246	117	15	169	231		
1957.....	238	136	238	136				
1958.....	473	377	281	195	171	171	21	11
1959.....	36	109	30	95	1	1	5	13
1960.....	569	222	556	216	6		7	6
1961.....	843	336	828	322	15	11		3
1962.....	373	796	373	786		10		
1963.....	399	576	394	576	5			
1964.....	996	294	976	286	16	6	4	2
1965.....	356	333	257	321	45	9	54	3
1966.....	344	541	322	442	15	43	7	56
1967.....	614	394	535	373	75	21	4	
1968.....	310	408	259	356	46	50	5	2
1969.....	182	341	140	302	39	36	3	3
Total.....	<b>6,134</b>	<b>5,162</b>	<b>5,306</b>	<b>4,421</b>	<b>718</b>	<b>642</b>	<b>110</b>	<b>99</b>

**SECRET**

Figure 18

# TOTAL ANNUAL NET FLOWS OF SOVIET MILITARY AND ECONOMIC AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD



NOTE: Excluding downpayment deliveries, but including grant aid.

**SECRET**

78281 6-70 CIA

-25X1





Table 65

Net Flow of Soviet Productive Resources to Less Developed Countries  
of the Free World

Million US \$

	Annual Average 1954-63	1964	1965	1966	1967	1968	1969
Deliveries of economic aid <sup>a</sup> .....	114.3	377.3	355.3	337.8	289.3	303.0	287.0
Less repayments for economic aid ....	13.3	64.6	73.6	89.0	103.0	137.6	179.0 <sup>b</sup>
Principal.....	9.1	43.5	50.4	63.2	73.6	99.3	133.2 <sup>b</sup>
Interest.....	4.2	21.1	23.2	25.8	29.5	38.3	45.8 <sup>b</sup>
Less repayments for military aid.....	30.0	107.1	84.3	91.4	67.8	106.8	129.3 <sup>b</sup>
Principal.....	27.1	98.3	76.5	82.0	54.4	90.0	100.6 <sup>b</sup>
Interest.....	2.9	8.8	7.8	9.4	13.4	16.7	28.7 <sup>b</sup>
Net Flow <sup>c</sup> .....	71.1	205.6	197.4	157.4	118.4	58.6	-21.3

<sup>a</sup> Including grants.<sup>b</sup> Scheduled repayments.<sup>c</sup> Data are for productive resources that have a direct economic impact on the less developed countries and differ from those presented in Figure 18, which include the delivery of military aid.

## Sanitized Copy Approved for Release 2011/01/11 : CIA-RDP07-00617R000100170001-3

Table 66

## Communist Economic and Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US \$						Total	Percent
	Total for 1954-64	1965	1966	1967	1968	1969		
Africa.....	1,418.7	307.0	147.1	111.9	132.4	159.7	2,276.8	13.5
Algeria								
USSR and Eastern Europe.....	364.9	135.0	5.6				505.5	3.0
Communist China.....	63.8	0.2					64.0	0.4
Congo (Brazzaville)								
USSR and Eastern Europe.....	10.2	5.7			1.0		16.9	0.1
Communist China.....	25.2					1.0	26.2	0.2
Ghana								
USSR and Eastern Europe.....	185.9	21.2					207.1	1.2
Communist China.....	42.0						42.0	0.2
Guinea								
USSR and Eastern Europe.....	105.3	20.0	2.7	16.7	3.5	92.2	240.4	1.4
Communist China.....	26.5		31.2		1.3	11.5	70.5	0.4
Mali								
USSR and Eastern Europe.....	84.1	2.2	3.2			0.8	90.3	0.5
Communist China.....	42.0	8.0	3.0				53.0	0.3
Morocco								
USSR and Eastern Europe.....	16.2	30.0	45.6	20.0			111.8	0.7
Nigeria								
USSR and Eastern Europe.....		14.0			9.0		23.0	0.1
Somalia								
USSR and Eastern Europe.....	92.2	0.9	8.5				101.6	0.6
Communist China.....	21.6	1.5	0.2				23.3	0.1
Sudan								
USSR and Eastern Europe.....	23.0		10.0	37.2	55.0	53.2	178.4	1.1
Tanzania								
USSR and Eastern Europe.....	6.3	1.4	22.0				29.7	0.2
Communist China.....	46.3		15.1	3.5	4.0		68.9	0.4
Uganda								
USSR and Eastern Europe.....	15.6	12.0			2.0	1.0	30.6	0.2
Communist China.....		15.0					15.0	0.1
Other								
USSR and Eastern Europe.....	225.7	39.9		10.5	56.6		332.7	2.0
Communist China.....	21.9			24.0			45.9	0.3
East Asia.....	2,084.3	38.3	64.5	3.0	7.0	13.6	2,210.7	13.1
Cambodia								
USSR and Eastern Europe.....	30.8		5.5		6.0	11.9	54.2	0.3
Communist China.....	53.4	4.0	42.9	3.0			103.3	0.6
Indonesia								
USSR and Eastern Europe.....	1,909.0	6.3					1,915.3	11.3
Communist China.....	52.4	18.0					70.4	0.4
Other								
USSR and Eastern Europe.....	16.7	10.0	16.1		1.0	1.7	45.5	0.3
Communist China.....	22.0						22.0	0.1

25X1

25X1



Latin America.....	214.2	18.3	143.1	116.8	17.5	31.4	541.3	3.2
Brazil								
USSR and Eastern Europe.....	181.5		137.1	17.0			335.6	2.0
Other								
USSR and Eastern Europe.....	32.7	18.3	6.0	99.8	17.5	31.4	205.7	1.2
Near East and South Asia.....	6,648.8	1,023.7	1,635.9	899.0	759.3	917.6	11,884.3	70.3
Afghanistan								
USSR and Eastern Europe.....	796.0	14.1	15.6	115.0	128.6		1,069.3	6.3
Communist China.....		28.0					28.0	0.2
Ceylon								
USSR and Eastern Europe.....	38.0	42.6					80.6	0.5
Communist China.....	41.0						41.0	0.2
Cyprus								
USSR and Eastern Europe.....	26.0		1.0				27.0	0.2
India								
USSR and Eastern Europe.....	1,453.0	366.5	726.7	25.0	50.0	69.3	2,690.5	15.9
Iran								
USSR and Eastern Europe.....	62.6	125.0	305.5	120.0	252.8	205.0	1,070.9	6.3
Iraq								
USSR and Eastern Europe.....	566.9	20.0	181.0	118.4	40.0	300.9	1,227.2	7.3
Pakistan								
USSR and Eastern Europe.....	72.2	50.0	113.2		96.9	28.2	360.5	2.1
Communist China.....	60.0	50.0		7.0	40.0		157.0	0.9
Southern Yemen								
USSR and Eastern Europe.....					7.0	39.6	46.6	0.3
Communist China.....					12.0		12.0	0.1
Syria								
USSR and Eastern Europe.....	472.4	31.1	241.8	85.0	50.0	37.0	917.3	5.4
Communist China.....	16.3					2.0	18.3	0.1
Turkey								
USSR and Eastern Europe.....	18.9			200.0		171.6	390.5	2.3
United Arab Republic								
USSR and Eastern Europe.....	2,647.2	280.4	14.0	197.6	75.0	62.0	3,276.2	19.4
Communist China.....	84.7			21.0			105.7	0.6
Yemen								
USSR and Eastern Europe.....	187.3	8.3	3.5	10.0	5.0	2.0	216.1	1.3
Communist China.....	42.1		14.0				56.1	0.3
Other								
USSR and Eastern Europe.....	20.8	7.7					28.5	0.2
Communist China.....	43.4		19.6		2.0		65.0	0.4
Total.....	10,366.0	1,387.3	1,990.6	1,130.7	916.2	1,122.3	16,913.1	100.0
USSR and Eastern Europe.....	9,661.4	1,262.6	1,864.6	1,072.2	856.9	1,107.8	15,825.5	93.6
Communist China.....	704.6	124.7	126.0	58.5	59.3	14.5	1,087.6	6.4

25X1

25X1

Table 67

## Communist Economic Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US \$						Total	Percent
	Total for 1954-64	1965	1966	1967	1968	1969		
Africa.....	1,228.7	153.0	136.1	90.9	60.4	157.7	1,826.8	16.9
Algeria								
USSR and Eastern Europe.....	253.9		5.6				259.5	2.4
Communist China.....	51.8	0.2					52.0	0.5
Ethiopia								
USSR and Eastern Europe.....	113.6	5.2					118.8	1.1
Ghana								
USSR and Eastern Europe.....	176.9	20.2					197.1	1.8
Communist China.....	42.0						42.0	0.4
Guinea								
USSR and Eastern Europe.....	96.3	18.0	2.7	16.7	3.5	92.2	229.4	2.1
Communist China.....	26.5		31.2		0.3	11.5	69.5	0.6
Mali								
USSR and Eastern Europe.....	82.1	0.2	3.2			0.8	86.3	0.8
Communist China.....	42.0	8.0	3.0				53.0	0.5
Morocco								
USSR and Eastern Europe.....	5.2	30.0	43.6				78.8	0.7
Somalia								
USSR and Eastern Europe.....	57.2	0.9	8.5				66.6	0.6
Communist China.....	21.6	1.5	0.2				23.3	0.2
Sudan								
USSR and Eastern Europe.....	23.0		10.0	37.2		53.2	123.4	1.1
Tanzania								
USSR and Eastern Europe.....	5.3	1.4	20.0				26.7	0.2
Communist China.....	46.3		8.1	2.5			56.9	0.5
Tunisia								
USSR and Eastern Europe.....	55.6			1.6	51.2		108.4	1.0
Other								
USSR and Eastern Europe.....	82.3	52.4		8.9	5.4		149.0	1.4
Communist China.....	47.1	15.0		24.0			86.1	0.8
East Asia.....	764.3	34.3	62.5	0	1.0	13.6	875.7	8.1
Burma								
USSR and Eastern Europe.....	15.2	10.0	16.1		1.0	1.7	44.0	0.4
Communist China.....	22.0						22.0	0.2
Cambodia								
USSR and Eastern Europe.....	26.8		3.5			11.9	42.2	0.4
Communist China.....	49.4		42.9				92.3	0.9
Indonesia								
USSR and Eastern Europe.....	618.0	6.3					624.3	5.8
Communist China.....	31.4	18.0					49.4	0.5
Laos								
USSR and Eastern Europe.....	1.5						1.5	<i>Negl.</i>

25X1  
25X1

Latin America .....	214.2	18.3	143.1	116.8	17.5	31.4	541.3	5.0
Argentina								
USSR and Eastern Europe .....	32.7	18.3		30.0	5.0		86.0	0.8
Brazil								
USSR and Eastern Europe .....	181.5		137.1	17.0			335.6	3.1
Chile								
USSR and Eastern Europe .....				54.8	5.0		59.8	0.6
Other								
USSR and Eastern Europe .....			6.0	15.0	7.5	31.4	59.9	0.6
Near East and South Asia .....	3,830.8	825.7	1,304.9	309.0	527.3	737.6	7,535.3	69.9
Afghanistan								
USSR and Eastern Europe .....	557.0	14.1	5.6	5.0	128.6		710.3	6.6
Communist China .....		28.0					28.0	0.3
India								
USSR and Eastern Europe .....	1,063.0	248.5	626.7	25.0		30.3	1,993.5	18.5
Iran								
USSR and Eastern Europe .....	62.6	125.0	305.5	10.0	252.8	200.0	955.9	8.9
Iraq								
USSR and Eastern Europe .....	183.9	20.0		18.4		247.9	470.2	4.4
Nepal								
USSR and Eastern Europe .....	20.8						20.8	0.2
Communist China .....	43.4		19.6		2.0		65.0	0.6
Pakistan								
USSR and Eastern Europe .....	72.2	50.0	113.2		66.9	28.2	330.5	3.1
Communist China .....	60.0			7.0	40.0		107.0	1.0
Southern Yemen								
USSR and Eastern Europe .....						34.6	34.6	0.3
Communist China .....					12.0		12.0	0.1
Syria								
USSR and Eastern Europe .....	130.4	26.1	216.8		25.0	25.0	423.3	3.9
Communist China .....	16.3						16.3	0.2
Turkey								
USSR and Eastern Europe .....	18.9			200.0		171.6	390.5	3.6
United Arab Republic								
USSR and Eastern Europe .....	1,297.2	255.4		22.6			1,575.2	14.6
Communist China .....	84.7			21.0			105.7	1.0
Yemen								
USSR and Eastern Europe .....	99.3	8.3	3.5				111.1	1.0
Communist China .....	42.1		14.0				56.1	0.5
Other								
USSR and Eastern Europe .....	38.0	50.3					88.3	0.8
Communist China .....	41.0						41.0	0.4
<b>Total .....</b>	<b>6,038.0</b>	<b>1,031.3</b>	<b>1,646.6</b>	<b>516.7</b>	<b>606.2</b>	<b>940.3</b>	<b>10,779.1</b>	<b>100.0</b>
USSR and Eastern Europe .....	5,370.4	960.6	1,527.6	462.2	551.9	928.8	9,801.5	90.9
Communist China .....	667.6	70.7	119.0	54.5	54.3	11.5	977.6	9.1

25X1

25X1

Table 68

## Communist Military Aid Extended to Less Developed Countries of the Free World, by Recipient and Donor

	Million US \$						Total	Percent
	Total for 1955-64	1965	1966	1967	1968	1969		
Africa.....	190	154	11	21	72	2	450	7.3
Algeria								
USSR and Eastern Europe.....	111	135					246	4.0
Communist China.....	12						12	0.2
Sudan								
USSR and Eastern Europe.....					55		55	0.9
Other								
USSR and Eastern Europe.....	67	19	4	20	12	1	123	2.0
Communist China.....			7	1	5	1	14	0.2
East Asia.....	1,320	4	2	3	6	0	1,335	21.8
Cambodia								
USSR and Eastern Europe.....	4		2		6		12	0.2
Communist China.....	4	4		3			11	0.2
Indonesia								
USSR and Eastern Europe.....	1,291						1,291	21.0
Communist China.....	21						21	0.3
Near East and South Asia.....	2,818	198	331	590	232	180	4,349	70.9
Afghanistan								
USSR and Eastern Europe.....	239		10	110			359	5.9
India								
USSR and Eastern Europe.....	390	118	100		50	39	697	11.4
Iran								
USSR and Eastern Europe.....				110		5	115	1.9
Iraq								
USSR and Eastern Europe.....	383		181	100	40	53	757	12.3
Pakistan								
USSR and Eastern Europe.....					30		30	0.5
Communist China.....		50					50	0.8
Syria								
USSR and Eastern Europe.....	342	5	25	85	25	12	494	8.1
Communist China.....						2	2	<i>Negl.</i>
United Arab Republic								
USSR and Eastern Europe.....	1,350	25	14	175	75	62	1,701	27.7
Yemen								
USSR and Eastern Europe.....	88			10	5	2	105	1.7
Other								
USSR and Eastern Europe.....	26		1		7	5	39	0.6
<b>Total</b> .....	<b>4,328</b>	<b>356</b>	<b>344</b>	<b>614</b>	<b>310</b>	<b>182</b>	<b>6,134</b>	<b>100.0</b>
USSR and Eastern Europe.....	4,291	302	337	610	305	179	6,024	98.2
Communist China.....	37	54	7	4	5	3	110	1.8

25X1  
25X1

Table 69

Communist Major Deliveries of Land Armaments and Naval Ships to Less Developed Countries of the Free World, by Recipient  
January 1967–December 1969

	Land Armaments					Naval Ships					Other <sup>b</sup>
	Medium Tanks	Light Tanks	Self- Propelled Assault Guns	Personnel Carriers <sup>a</sup>	Artillery Pieces	De- stroyers	Sub- marines	Mine- sweepers	Sub- marine Chasers	Motor Torpedo and Missile Boats	
<b>Africa</b>											
Algeria.....	39		1	127	6			2	3	9	
Guinea.....		4									3
Morocco.....	79		30	80							
Nigeria.....				30	90						3
Somalia.....	71			6	84						2
Sudan.....	12			12							
Tanzania.....		14		36	24						7
Uganda.....				36	24						
<b>East Asia</b>											
Cambodia.....				15	37						
<b>Near East and South Asia</b>											
Afghanistan.....	32			117	97						
India.....	30				42		3		3		6
Iran.....				600	409						
Iraq.....	150		30	400	235			2			
Pakistan.....	60										
Southern Yemen.....	33				50						
Syria.....	215	23	50	130	400						
United Arab Republic.....	500	12		220	525	2 <sup>c</sup>	1 <sup>c</sup>	6		9	11

<sup>a</sup> Armored and amphibious.

<sup>b</sup> Including auxiliary vessels and landing craft.

<sup>c</sup> Received in exchange for older models returned to the USSR.

25X1

25X1

25X1

Table 70

Communist Major Deliveries of Aircraft and Guided Missile Systems to Less Developed Countries  
of the Free World, by Recipient  
January 1967-December 1969

	Aircraft					Guided Missile Systems <sup>a</sup>		
	Medium Jet Bombers	Light Jet Bombers	Jet Fighters	Heavy Transports	Other <sup>b</sup>	Air-to-Air <sup>c</sup>	Surface-to- Air <sup>d</sup>	Surface-to- Surface <sup>e</sup>
<b>Africa</b>								
Algeria.....		6	27		10	2	f	3
Congo (Brazzaville).....					2			
Guinea.....					4			
Nigeria.....			33		13			
Somalia.....			8					
Sudan.....			12		4	12		
Uganda.....			5		8			
<b>East Asia</b>								
Cambodia.....					1			
<b>Near East and South Asia</b>								
Afghanistan.....			21	1	2	18	1	
India.....			75 <sup>g</sup>		40			
Iraq.....			116	3	72	48		
Pakistan.....					10			
Southern Yemen.....			10					
Syria.....			148		37	55	1	
United Arab Republic.....	24	26	282	3	129	60	f	3
Yemen.....		6	30					

<sup>a</sup> Data reflect numbers of aircraft, ships, and sites having missile capability.

<sup>b</sup> Including nonjet combat aircraft, trainers, transports, and helicopters.

<sup>c</sup> Number of fighter aircraft equipped with AAM's (two to four per aircraft).

<sup>d</sup> Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).

<sup>e</sup> Ship launched. These data constitute the number of Komar- and Osa-class ships equipped with SSM's (two to four per ship).

<sup>f</sup> An undetermined number of SAM's have been received.

<sup>g</sup> Excluding those fighters assembled at the aeronautics plant in Nasik.

25X1

Table 71

Communist Major Military Equipment Delivered to Less Developed Countries of the Free World, by Recipient  
1969

	Land Armaments			Naval Ships			Aircraft			Guided Missile Systems *	
	Medium Tanks	Personnel Carriers <sup>b</sup>	Artillery Pieces	Sub-marines	Mine-sweepers and Sub-marine Chasers	Other	Jet Fighters	Light Jet Bombers	Heavy Trans-ports and Other	Air-to-Air <sup>c</sup>	Surface-to-Air <sup>d</sup>
<b>Africa</b>											
Nigeria.....			80				9		3		
Somalia.....	46		54								
Sudan.....	12	12					12		4	12	
Uganda.....		24									
<b>Near East and South Asia</b>											
Afghanistan.....							3				
India.....				2	1 <sup>e</sup>	1	18		19		
Iran.....		300	195								
Iraq.....		200			2 <sup>f</sup>		18		25		
Pakistan.....	60								6		
Southern Yemen.....	33		50				10				
Syria.....	100	5	75				63		15	28	1
United Arab Republic.....	200	130	125		4 <sup>f</sup>	3	49	4	23 <sup>g</sup>	31	

\* Data reflect numbers of aircraft and sites having missile capability.

<sup>b</sup> Armored and amphibious.<sup>c</sup> Number of fighter aircraft equipped with AAMs (two to four per aircraft).<sup>d</sup> Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).<sup>e</sup> Submarine chaser.<sup>f</sup> Minesweepers.<sup>g</sup> Including three heavy transports.

25X1

25X1

Table 72

Academic, Technical, and Military Trainees <sup>a</sup> Departing from Less Developed Countries of the Free World  
for Training in Communist Countries, by Area of Destination

	1965	1966	1967	1968	1969
Total trainees.....	6,635	4,920	4,545	5,175	6,505
USSR and Eastern Europe.....	6,505	4,730	4,430	5,170	6,490
Communist China.....	130	190	115	5	15
Academic trainees.....	2,405	2,075	2,095	2,205	3,405
USSR and Eastern Europe.....	2,345	2,075	2,095	2,205	3,405
Communist China.....	60	0	0	0	0
Technical trainees.....	1,500	1,285	1,245	1,455	1,880
USSR and Eastern Europe.....	1,465	1,205	1,220	1,450	1,880
Communist China.....	35	80	25	5	0
Military trainees.....	2,730	1,560	1,205	1,515	1,220
USSR and Eastern Europe.....	2,695	1,450	1,115	1,515	1,205
Communist China.....	35	110	90	0	15

<sup>a</sup> Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.



Table 73

Military Personnel from Less Developed Countries Trained in Communist Countries <sup>a</sup>

	Departures to Communist Countries						Being Trained, December 1969			
	1968 <sup>b</sup>			1969 <sup>c</sup>			Total	USSR	Eastern Europe	Communist China
	Total	USSR	Eastern Europe	Total	USSR	Communist China				
Total.....	1,515	1,505	10	1,220	1,205	15	3,025	2,865	145	15
Africa.....	520	510	10	445	430	15	1,255	1,195	45	15
Algeria.....	270	270		65	65		500	500		
Congo (Brazzaville).....							65	65		
Guinea.....	40	40					135	135		
Mali.....				10	10		10	10		
Morocco.....	10		10				40		40	
Nigeria.....				85	85		75	75		
Somalia.....	60	60		70	70		170	170		
Sudan.....	105	105		200	200		190	190		
Tanzania.....	35	35		15		15	50	35		15
Uganda.....							20	15	5	
East Asia.....	0	0	0	0	0	0	75	75	0	0
Indonesia.....							75	75		
Near East and South Asia.....	995	995	0	775	775	0	1,695	1,595	100	0
Afghanistan.....	20	20		150	150		350	350		
India.....	160	160		140	140		250	250		
Iran.....	25	25								
Iraq.....	205	205		210	210		370	290	80	
Pakistan.....	35	35		5	5		5	5		
Southern Yemen.....				160	160		160	160		
Syria.....	140	140		50	50		230	210	20	
United Arab Republic.....	410	410		50	50		190	190		
Yemen.....				10	10		140	140		

<sup>a</sup> Rounded to the nearest five persons. Data refer to the number of persons departing for or in training but not necessarily completing training.<sup>b</sup> No personnel departed for training in Communist China in 1968.<sup>c</sup> No personnel departed for training in Eastern Europe in 1969.

25X1

25X1

Table 74

Communist Economic and Military Technicians <sup>a</sup> in Less Developed Countries of the Free World, by Country  
1969

	Economic				Military		
	Total	USSR	Eastern Europe	Communist China	Total	USSR and Eastern Europe	Communist China
Total .....	22,005	9,790	7,180	5,035	7,175	6,885	290
Africa .....	11,740	3,720	4,990	3,030	2,240	1,975	265
Algeria .....	2,675	1,880 <sup>b</sup>	695	100	1,200	1,200	
Chad .....	35	35					
Congo (Brazzaville) .....	360	150	10	200	30	5	25
Ethiopia .....	180	100	80		5	5	
Ghana .....	95	15	80				
Guinea .....	840	300	140	400	65	65	
Kenya .....	45	35	10				
Libya .....	1,990		1,990				
Mali .....	1,180	330	50	800 <sup>c</sup>	145	105	40
Mauritania .....	135	15		120			
Morocco .....	315	115	200		20	20	
Nigeria .....	180	30	150		130	130	
Somalia .....	360	280	5	75	180	180	
Sudan .....	255	55	200		200	200	
Tanzania .....	1,070	60	160	850 <sup>d</sup>	235	35	200
Tunisia <sup>e</sup> .....	1,390	210	1,180				
Zambia .....	525	30	15	480			
Other .....	110	80	25	5	30	30	
East Asia .....	310	170	40	100	60	60	0
Burma .....	30	30					
Cambodia .....	230	120	10	100	30	30	
Indonesia .....	50	20	30		30	30	
Latin America .....	80	20	60	0	0	0	0
Argentina .....	10		10				
Brazil .....	25		25				
Chile .....	15	10	5				
Colombia .....	10	5	5				
Mexico .....	10	5	5				
Uruguay .....	10		10				
Near East and South Asia .....	9,875	5,880	2,090	1,905	4,875	4,850	25
Afghanistan .....	1,300	1,000	100	200	350	350	
Ceylon .....	100	60	40				
India .....	1,450	1,100	350		455	455	
Iran .....	1,345	1,100	245		15	15	
Iraq .....	1,040	500	540		320	320	
Kuwait .....	35	15	20				
Lebanon .....	25		25				
Nepal .....	580	80		500			
Pakistan .....	1,405	380	25	1,000 <sup>f</sup>	35	10	25
Southern Yemen .....	85	50	25	10 <sup>g</sup>	100	100	
Syria .....	860	650	150	60	500	500	
Turkey .....	55	45	10				
United Arab Republic .....	1,285	800	470	15	3,000	3,000	
Yemen .....	310	100	90	120	100	100	

<sup>a</sup> Rounded to the nearest five persons. Data are minimum estimates of the number of persons present for a period of one month or more. Persons engaged solely in commercial activities are excluded.

<sup>b</sup> Including 15 Cubans.

<sup>c</sup> Including 30 North Vietnamese and 50 North Koreans.

<sup>d</sup> Including five North Koreans.

<sup>e</sup> According to US Embassy estimates, the number of Communist technicians in Tunisia declined by almost 700 by December 1969.

<sup>f</sup> Most of the Chinese in Pakistan are working on the Gilgit-Sinkiang road; other estimates are much higher.

<sup>g</sup> All are North Koreans.

INDUSTRIAL PRODUCTS  
AND RAW MATERIALS

## SECRET

Table 75

Production of Sulfuric Acid <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	31,000*	41,000*	44,800*	45,900* <sup>c</sup>	46,600* <sup>c</sup>	47,400* <sup>c</sup>
United States <sup>d</sup> .....	16,223*	22,544*	25,750*	26,141*	25,748*	26,076*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	7,890*	12,800*	13,900*	14,400*	15,200*	16,100*
USSR.....	5,398*	8,518*	9,367*	9,737*	10,159*	10,664*
Eastern Europe.....	2,500*	4,230*	4,480*	4,700*	5,080*	5,440*
Bulgaria.....	123*	318*	353*	360*	472*	491*
Czechoslovakia.....	553*	933*	982*	1,012*	977*	1,034*
East Germany.....	730*	985*	973*	988*	1,078*	1,104*
Hungary <sup>e</sup> .....	178*	394*	418*	450*	468*	454*
Poland.....	685*	1,062*	1,139*	1,213*	1,314*	1,515*
Romania.....	226*	541*	619*	679*	773*	838*
Far East						
Communist China.....	1,350*	2,200	2,300	N.A.	N.A.	N.A.
Other						
Cuba.....	44*	202	230	269	N.A.	N.A.
Yugoslavia.....	130*	435*	542*	592*	589*	695*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium.....	1,423*	1,488*	1,831*	Greece.....	81*	151*	N.A.*	Portugal.....	320*	413*	440*
Canada.....	1,517*	1,964*	2,587* <sup>f</sup>	Italy.....	2,299*	2,979*	3,204*	Turkey.....	23*	20*	30*
Denmark.....	198*	239*	209* <sup>f</sup>	Netherlands...	860*	1,090*	1,512*	United Kingdom....	2,772*	3,360*	3,220*
France.....	2,046*	2,916*	3,540*	Norway.....	100*	119*	300*	West Germany.....	3,170*	3,751* <sup>g</sup>	4,464* <sup>g</sup>

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Pure (monohydrate) sulfuric acid (100% H<sub>2</sub>SO<sub>4</sub>).

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Excluding data for Greece.

<sup>d</sup> Including appreciable amounts produced in government-owned privately operated plants.

<sup>e</sup> Including oleum for all years except the terminal year.

<sup>f</sup> Data are for the previous year.

<sup>g</sup> Including data for West Berlin, for which separate data are not available.

## SECRET

Table 76

Production of Synthetic Ammonia <sup>a</sup>

Thousand Metric Tons of Nitrogen

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	7,320* <sup>c</sup>	12,600*	14,400*	16,400*	16,900*	N.A.*					
United States <sup>d</sup> .....	3,595*	6,500*	7,926*	9,103*	9,023*	9,486*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	2,340	5,390	6,320	7,450	8,390	9,160					
USSR.....	1,329	3,557	4,155	4,903	5,394	5,664					
Eastern Europe.....	1,010	1,830	2,160	2,550	3,000	3,500					
Bulgaria.....	111*	338*	390*	470*	666*	716*					
Czechoslovakia.....	130	226	258	253	270	307					
East Germany.....	393*	439*	449*	453*	460*	460*					
Hungary.....	67*	173*	214*	237*	285*	349*					
Poland.....	284*	440*	518*	666*	792*	1,043*					
Romania.....	29*	218*	336*	472*	522*	620*					
Far East											
Communist China.....	378	N.A.	905	N.A.	N.A.	N.A.					
North Korea.....	111	120	120	140	195	240					
Other											
Yugoslavia.....	12*	114*	123*	123*	174*	310*					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium.....	319*	398*	455*	Italy.....	724*	1,035*	1,347*	Portugal.....	40*	138*	140*
Canada.....	N.A.*	551*	835*	Netherlands.....	410*	661*	1,119*	Turkey.....	0*	36*	34*
France.....	724*	1,281*	1,474*	Norway.....	265*	340*	391*	West Germany.....	1,242*	1,659*	2,035*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, nitrogen content of synthetic ammonia.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Excluding data for Canada.<sup>d</sup> Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.

SECRET

Table 77

Production of Caustic Soda <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	6,780*	9,500*	10,500* <sup>c</sup>	11,200* <sup>c</sup>	12,200* <sup>c</sup>	N.A.*
United States.....	4,511*	6,166*	6,910*	7,188*	7,983*	8,726*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	1,420*	2,250*	2,420*	2,590*	2,770*	2,980*
USSR.....	704*	1,199*	1,282*	1,402*	1,525*	1,668*
Eastern Europe.....	717*	1,050*	1,140*	1,190*	1,250*	1,310*
Bulgaria.....	17*	32*	37*	40*	41*	50*
Czechoslovakia.....	115*	158*	176*	178*	179*	177*
East Germany.....	327*	364*	381*	389*	405*	416*
Hungary <sup>d</sup> .....	17*	50*	52*	56*	52*	56*
Poland.....	167*	215*	237*	265*	295*	311*
Romania.....	74*	233*	252*	260*	276*	298*
Other						
Cuba.....	2	2	2	2	N.A.	N.A.
Yugoslavia.....	48*	88*	91*	87*	87*	84*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium.....	50*	87*	155*	Greece.....	1*	2*	N.A.*	Portugal.....	24*	35*	N.A.*
Canada.....	338*	583*	766*	Italy.....	426*	702*	832*	Turkey.....	2*	2*	3*
Denmark.....	4*	6*	10*	Norway.....	46*	68*	104*	West Germany.....	776*	1,178*	1,503*
France.....	597*	671*	869*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Pure caustic soda (100% NaOH), including tonnage not commercialized but used on the spot for processing.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Excluding data for Greece and Portugal.<sup>d</sup> Including regenerated caustic soda.

SECRET

75

## SECRET

Table 78

Production of Mineral Fertilizer, Nutrient Content <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	18,700*	28,500*	30,400*	32,800*	N.A.*	N.A.*					
United States.....	7,410*	11,933*	13,054*	13,914*	14,249*	14,133*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	6,510*	12,000*	13,500*	15,100*	16,600*	17,800*					
USSR.....	3,281*	7,389*	8,438*	9,406*	10,221*	10,800*					
Eastern Europe.....	3,230*	4,630*	5,050*	5,660*	6,390*	6,970*					
Bulgaria.....	126*	354*	394*	443*	640*	684*					
Czechoslovakia.....	287*	477*	512*	519*	526*	588*					
East Germany.....	2,166*	2,506*	2,604*	2,847*	2,990*	3,040*					
Hungary.....	102*	265*	298*	340*	402*	469*					
Poland.....	477*	738*	826*	974*	1,232*	1,472*					
Romania.....	71*	293*	419*	537*	599*	718*					
Far East											
Communist China.....	494	880	1,080	780	940	1,150					
North Korea.....	127	158	158	176	239	278					
Other											
Albania.....	0	0	2	N.A.	N.A.	N.A.					
Yugoslavia.....	45*	226*	279*	305*	309*	300*					
Other NATO Countries											
	1960	1965	1967		1960	1965	1967		1960	1965	1967
Belgium.....	567*	725*	817*	Iceland.....	7*	8*	8*	Portugal.....	120*	194*	200*
Canada.....	496*	2,545*	3,670*	Italy.....	1,110*	1,590*	1,811*	Turkey.....	7*	70*	67*
Denmark.....	79*	124*	143*	Luxembourg.....	128*	130*	125*	United Kingdom...	841*	1,086*	1,285*
France.....	3,021*	4,161*	4,520*	Netherlands.....	658*	765*	1,101*	West Germany.....	3,897*	4,610*	4,457*
Greece.....	55*	126*	246*	Norway.....	326*	426*	443*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Nitrogen fertilizer (in terms of nitrogen), phosphorous fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

<sup>b</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.

## ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 79

Production of Mineral Fertilizer in the US and the USSR  
(In Terms of Soviet Statistical Reporting Units <sup>a</sup>)

	Thousand Metric Tons					
	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	32,320	53,797	58,929	64,083	65,524	65,431
USSR.....	13,867	31,253	35,866	40,083	43,469	46,000

<sup>a</sup> Soviet production of fertilizer is usually reported as follows: nitrogen fertilizer on the basis of fertilizer containing 20.5% nitrogen, potassium fertilizer on the basis of 41.6% potassium oxide, and most types of phosphorous fertilizer on the basis of 18.7% phosphoric anhydride. In addition, total production includes an insignificant quantity of microfertilizer.

<sup>b</sup> Data are based on US production given in pure nutrients and recomputed to conform to the Soviet method for expressing production. Data for the United States are "fertilizer years" beginning 1 July of the stated year.

Table 80

## Production of Plastics in the US and the USSR

	Thousand Metric Tons					
	1960	1965	1966	1967	1968	1969
United States <sup>a</sup> .....	2,851	5,300	6,162	6,256	7,421	8,405
USSR.....	312	803	971	1,114	1,291	1,452

<sup>a</sup> Dry basis, excluding water, solvents, and other liquid diluents.

Table 81

## Production of Natural Rubber in Selected Countries

	Thousand Metric Tons					
	1960	1965	1966	1967	1968	1969
Cambodia.....	37.1	48.9	51.1	53.7	51.1	51.8
Ceylon.....	98.8	118.3	131.0	143.2	148.7	150.8
India.....	25.2	49.4	53.2	62.5	68.8	76.6
Indonesia <sup>a</sup> .....	620.2	717.0	715.7	760.0	750.0	760.0
Malaysia <sup>b</sup> .....	785.4	949.2	998.3	998.1	1,109.9	1,278.2
South Vietnam.....	76.6	61.0	48.8	40.6	29.7	27.1
Thailand <sup>a</sup> .....	170.8	217.4	218.0	220.0	258.8	266.0

<sup>a</sup> Exports plus estimated consumption.

<sup>b</sup> Including data for Malaya and Singapore, Sarawak, and Sabah.

ALL DATA IN THESE TABLES ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE



## SECRET

Table 82

## Production of Synthetic Rubber

	Thousand Metric Tons										
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	1,890*	2,780*	3,010*	2,990*	3,370*	3,690*					
United States.....	1,459*	1,842*	2,002*	1,943*	2,165*	2,274*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	455	765	830	925	957	1,040					
USSR.....	347	570	627	690	725	785					
Eastern Europe.....	108	195*	203*	235*	232*	254*					
Czechoslovakia.....	1	30*	30*	34*	36*	41*					
East Germany <sup>b</sup> .....	87*	95*	101*	110*	101*	110*					
Poland.....	20*	39*	37*	40*	41*	48*					
Romania.....	0*	31*	35*	51*	54*	55*					
Other NATO Countries											
	1960	1965	1969		1960	1965	1969				
Belgium.....	0*	20*	36*	Italy.....	67*	120*	135*	United Kingdom.....	92*	175*	272*
Canada.....	162*	206*	197*	Netherlands.....	12*	102*	210*	West Germany.....	81*	164*	292*
France.....	17*	148*	272*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>b</sup> Including Pervinan and Plastikator.

Table 83

Production of Rubber Tires <sup>a</sup> in the United States and Selected Communist Countries

	Thousand Units					
	1960	1965	1966	1967	1968	1969
United States.....	123,059*	172,532*	183,229*	168,746*	208,682*	213,827*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	23,400*	37,100*	39,300*	42,000*	45,100*	47,400*
USSR.....	17,255*	26,434*	27,656*	29,635*	31,773*	32,600*
Eastern Europe.....	6,140*	10,600*	11,600*	12,300*	13,300*	14,800*
Bulgaria.....	196*	349*	397*	378*	348*	316* <sup>b</sup>
Czechoslovakia <sup>c</sup> .....	1,324*	1,792*	1,994*	2,195*	2,396*	2,635*
East Germany <sup>d</sup> .....	2,714*	3,750*	3,930*	4,204*	4,340*	4,546*
Hungary <sup>b</sup> .....	336*	581*	644*	699*	591*	598*
Poland.....	1,223* <sup>e</sup>	2,818*	3,031*	3,082*	3,721*	4,540*
Romania <sup>f</sup> .....	352*	1,329*	1,640*	1,760*	1,929*	2,147*
Other						
Cuba.....	343*	197	306	414	N.A.	N.A.
Yugoslavia <sup>g</sup> .....	391*	955*	1,613*	1,578*	1,780*	2,294*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.

<sup>b</sup> Excluding motorcycle tires.

<sup>c</sup> Excluding motorcycle and bus tires and, beginning in 1966, tractor tires.

<sup>d</sup> Including solid rubber tires.

<sup>e</sup> Excluding motorcycle, tractor, and agricultural tires.

<sup>f</sup> Including aircraft tires.

<sup>g</sup> Automobile, motorcycle, and aircraft tires only.

## SECRET

Table 84  
Production of Primary Energy<sup>a</sup>

Million Metric Tons of Coal Equivalents

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	2,130*	2,510*	2,600*	2,710*	2,740*	2,840*
United States.....	1,429.3*	1,718.6*	1,814.1*	1,917.0*	1,945.9*	2,006.9*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	937	1,270*	1,340	1,400	1,460	1,530
USSR.....	662.7*	942.5*	1,006.5*	1,062.8*	1,112.1*	1,167.8*
Eastern Europe.....	275	329*	334	335	348	363
Bulgaria.....	7.7*	9.4*	9.6*	10.2*	10.5	10.3
Czechoslovakia.....	50.9*	61.9*	61.1*	59.3*	60.7	64.4
East Germany.....	73.6	81.4*	80.8	78.7	80.1	79.0
Hungary.....	14.8*	18.3*	18.3*	17.9*	19.1*	19.5*
Poland.....	93.5*	110.9*	114.3*	116.0*	122.3*	130.6*
Romania.....	34.2*	46.8*	49.4*	52.9*	55.8*	59.4*
Far East						
Communist China.....	207.7	205.2	226.4	183.4	193.5	241.5
North Korea.....	14.1*	21.3	21.4	23.5	25.9	26.9
North Vietnam.....	2.4	3.7	3.8	2.3	2.8	2.6
Other						
Albania.....	1.1*	1.4	1.5	1.6	1.7	2.0
Yugoslavia.....	15.5*	21.3*	21.4*	20.8*	21.6*	22.3*

## Other NATO Countries

	1960	1965	1969	1960	1965	1969	1960	1965	1969	
Belgium <sup>c</sup> .....	22.6*	20.5*	13.8*	Iceland.....	0.3*	0.4*	Portugal.....	2.2*	2.6*	3.5*
Canada.....	120.1*	183.7*	241.9*	Italy.....	37.7*	41.2*	Turkey.....	5.3*	8.6*	12.6*
Denmark.....	0.8*	0.7*	0.4*	Netherlands.....	15.5*	16.9*	United Kingdom.....	199.8*	202.1*	179.2*
France.....	86.2*	90.0*	86.1*	Norway.....	17.4*	27.3*	West Germany.....	188.7*	190.5*	173.1*
Greece.....	1.5*	2.1*	2.8*							

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are for coal, crude oil, natural gas, and hydroelectric power expressed in terms of coal equivalents (calorific value of 7,000 kilocalories per kilogram), and exclude minor fuels such as peat, shale, and fuelwood.

<sup>b</sup> The following coefficients were used to convert the sources of primary energy into hard coal equivalents: coal (metric tons), 1.0; brown coal and lignite (metric tons), 0.29; crude oil (metric tons), 1.3; crude natural gasoline (metric tons), 1.5; natural gas (1,000 cubic meters), 1.33; and hydroelectricity (1,000 kilowatt-hours), 0.55. Production of geothermal and nuclear electric power is included at the same ratio as hydroelectricity.

<sup>c</sup> Including data for Luxembourg.

## SECRET

Table 85

Production of Hard Coal<sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	836*	898*	889*	883*	857*	837*
United States.....	391.5*	475.3*	492.6*	508.4*	500.7*	491.3*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	516*	588*	601*	614*	624*	644
USSR.....	374.9*	427.9*	439.2*	451.4*	455.7*	470.0
Eastern Europe.....	141*	160*	162*	163*	168*	174
Bulgaria.....	0.6*	0.6*	0.5*	0.5*	0.4*	0.4
Czechoslovakia.....	26.2*	27.6*	26.7*	25.9*	25.9*	27.1
East Germany.....	2.7*	2.2*	2.0*	1.8*	1.6*	Negl.
Hungary.....	2.8*	4.4*	4.4*	4.1*	4.2*	4.1*
Poland.....	104.4*	118.8*	122.0*	123.9*	128.6*	135.0*
Romania.....	4.5*	6.0*	6.3*	6.7*	7.2*	7.7
Far East						
Communist China <sup>c</sup> .....	280.0*	220.0*	240.0*	190.0*	200.0*	250.0*
North Korea.....	6.8*	12.4*	14.0*	15.4*	18.6*	18.6
North Vietnam.....	2.6	4.0	4.1	2.5	3.0	2.8
Other						
Yugoslavia.....	1.3*	1.2*	1.1*	0.9*	0.8*	0.7*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium.....	22.5*	19.8*	13.2*	Netherlands <sup>d</sup> .....	12.5*	11.4*	5.6*	Turkey.....	3.7*	4.4*	4.8* <sup>f</sup>
Canada.....	8.0*	8.6*	7.8*	Norway <sup>e</sup> .....	0.4*	0.4*	0.4*	United Kingdom <sup>g</sup> .....	196.7*	190.5*	161.1*
France.....	56.0*	51.4*	40.6*	Portugal.....	0.4*	0.4*	0.4*	West Germany <sup>d</sup> .....	143.3*	135.5*	111.6*
Italy.....	0.7*	0.4*	0.3*								

## Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Australia <sup>h</sup> .....	22.9*	31.9*	46.1*	Japan.....	51.1*	49.5*	44.6*	Spain.....	13.8*	12.9*	11.6*
India.....	52.6*	67.2*	73.5*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for anthracite and bituminous coal.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including a negligible amount of brown coal.<sup>d</sup> Including low-quality coal at its hard-coal equivalent.<sup>e</sup> Data are for Norwegian mines in Svalbard only.<sup>f</sup> Data are for the previous year.<sup>g</sup> Excluding data for Northern Ireland.<sup>h</sup> Including waste.

## SECRET

Table 86

## Production of Brown Coal and Lignite

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	111*	121*	118*	118*	124*	131*					
United States.....	2.5*	2.8*	3.5*	4.1*	4.4*	4.6*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	470*	553*	550*	539*	548*	558					
USSR.....	134.7*	149.8*	146.4*	143.8*	138.3*	138.0					
Eastern Europe.....	336*	403*	404*	395*	410*	420*					
Bulgaria.....	15.4*	24.5*	24.7*	26.7*	28.3*	28.7*					
Czechoslovakia.....	57.9*	72.3*	72.4*	70.9*	74.4*	79.0*					
East Germany.....	225.5*	250.8*	249.0*	242.0*	247.1*	248.0*					
Hungary.....	23.7*	27.1*	26.0*	23.0*	23.0*	22.4*					
Poland.....	9.3*	22.6*	24.5*	23.9*	26.9*	30.9*					
Romania.....	3.7*	6.1*	7.1*	8.3*	9.8*	11.5*					
Far East <sup>b</sup>											
North Korea <sup>c</sup> .....	3.5*	5.0*	5.5*	6.0*	7.0*	7.0					
Other											
Albania.....	0.3*	0.3*	0.4*	0.4	0.5	0.6					
Yugoslavia.....	21.4*	28.8*	28.2*	25.6*	25.9*	25.8*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Canada.....	2.0*	1.9*	1.7*	Greece.....	2.5*	5.1*	6.7*	Turkey.....	1.9*	3.1*	4.1* <sup>d</sup>
Denmark.....	2.3*	2.1*	1.2* <sup>d</sup>	Italy.....	0.8*	1.0*	1.9*	West Germany.....	96.1*	101.9*	107.4*
France.....	2.3*	2.7*	3.0*	Portugal.....	0.2*	0.1*	Negl.*				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Australia.....	15.2*	21.0*	23.3*	Japan.....	1.4*	0.6*	0.2*	Spain.....	1.8*	2.8*	2.8*
Austria.....	6.0*	5.4*	3.8*	New Zealand.....	2.2*	2.0*	1.9*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Negligible production for Communist China.<sup>c</sup> Including unknown amounts of hard coal.<sup>d</sup> Data are for the previous year.

## SECRET

Table 87

Production of Metallurgical Coke <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> . . . . .	149,000*	157,000*	153,000*	144,000*	146,000*	150,000*					
United States . . . . .	51,917*	60,649*	61,146*	58,586*	57,745*	58,717*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe . . . . .	73,100*	86,900*	87,700*	88,900*	91,200*	N.A.					
USSR . . . . .	56,233*	67,500*	68,500*	69,900*	71,500*	73,500*					
Eastern Europe . . . . .	16,900*	19,400*	19,200*	19,000*	19,700*	N.A.					
Bulgaria . . . . .	20* <sup>c</sup>	733*	800*	803*	817*	N.A.					
Czechoslovakia . . . . .	6,842*	7,875*	7,732*	7,184*	7,518*	7,900*					
East Germany . . . . .	1,008*	1,051*	1,060*	1,087*	1,093*	N.A.					
Hungary <sup>d</sup> . . . . .	499*	642*	646*	649*	500*	512*					
Poland . . . . .	7,684*	7,994*	7,890*	8,193*	8,600*	8,900*					
Romania . . . . .	820*	1,135*	1,103*	1,131*	1,133*	939*					
Far East											
Communist China <sup>e</sup> . . . . .	25,000	7,788	9,735	9,100	9,800	10,100					
North Vietnam . . . . .	N.A.	100	100	25	25	25					
Other											
Yugoslavia . . . . .	1,083*	1,267*	1,229*	1,219*	1,234*	1,226*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium . . . . .	7,540*	7,334*	7,248*	Italy . . . . .	3,715*	5,737*	6,696*	United Kingdom . . . . .	19,136*	17,381*	16,900*
Canada <sup>f</sup> . . . . .	3,514*	3,963*	4,451*	Netherlands <sup>f</sup> . . . . .	4,517*	4,285*	2,004*	West Germany <sup>h</sup> . . . . .	44,681*	43,294*	39,012*
France <sup>f</sup> . . . . .	13,635*	13,409*	13,536*	Turkey . . . . .	529*	1,431* <sup>f</sup>	1,430* <sup>f</sup>				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.<sup>b</sup> Net production, excluding coke consumed by coking plants and including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Data include foundry coke, not suitable for blast furnaces.<sup>d</sup> A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.<sup>e</sup> Excluding coke made in beehive, clamp, native, and "small modern" furnaces.<sup>f</sup> Including breeze coke.<sup>g</sup> Data are for the previous year.<sup>h</sup> Including electrode coke but excluding low-temperature coke.

## SECRET

Table 88

Production of Crude Oil<sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b,c</sup>	386,000*	441,000*	469,000*	500,000*	519,000*	527,000*					
United States	347,975*	384,946*	409,170*	434,705*	449,885*	454,584*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	161,000*	258,000*	281,000	304,000	326,000	344,000					
USSR	147,859*	242,888*	265,125*	288,068*	309,150*	328,000*					
Eastern Europe	13,200*	15,200*	15,600	16,200	16,400	16,100					
Bulgaria	200*	229*	404*	499*	475*	325*					
Czechoslovakia	137*	192*	190*	200*	205*	200					
East Germany	<i>Negl.*</i>	60*	125	150	150	150					
Hungary	1,217*	1,803*	1,706*	1,686*	1,807*	1,754*					
Poland	194*	339*	400*	450*	475*	438*					
Romania	11,500*	12,571*	12,825*	13,206*	13,285*	13,246*					
Far East											
Communist China <sup>c,d</sup>	4,600	8,000	10,000	10,000	11,000	14,000					
Other											
Albania	728*	820*	886*	983*	1,038	1,172					
Cuba	25*	57*	69*	116*	<i>N.A.</i>	<i>N.A.</i>					
Yugoslavia	944*	2,063*	2,222*	2,374*	2,494*	2,699*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Canada	25,630*	39,457*	54,732*	Netherlands	1,918*	2,395*	2,016*	United Kingdom	146*	82*	80* <sup>e</sup>
France	1,983*	2,988*	2,496*	Turkey	375*	1,533*	3,588*	West Germany	5,530*	7,884*	7,872*
Italy	1,998*	2,207*	1,536*								
Other Free World Countries <sup>c</sup>											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Argentina	8,898*	13,672*	18,084*	Kuwait	81,867*	109,045*	129,444*	Qatar	8,212*	10,961*	17,340*
Colombia	7,584*	10,124*	10,692*	Kuwait (ne-				Saudi Ara-			
Indonesia	20,596*	23,920*	29,712* <sup>e</sup>	tral zone)	7,289*	19,349*	24,132*	bia	62,068*	101,033*	146,628*
Iran	52,392*	94,126*	166,872*	Mexico	14,171*	16,874*	20,345* <sup>e</sup>	Venezuela	149,372*	182,409*	188,124*
Iraq	47,467*	64,474*	74,472*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for crude oil and exclude shale oil, natural gasoline, and synthetic crude oil.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including shale oil.<sup>d</sup> Including small quantities of synthetic crude oil.<sup>e</sup> Data are for the previous year.

SECRET

83

## SECRET

Table 89

Production of Petroleum Products <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	<b>547*</b>	<b>766*</b>	<b>822*</b>	<b>870*</b>	<b>938*</b>	<b>N. A.*</b>
United States .....	356.8*	420.3*	438.1*	457.5*	481.2*	495.0*
COMMUNIST COUNTRIES <sup>c</sup>						
USSR and Eastern Europe .....	<b>134</b>	<b>206</b>	<b>221</b>	<b>240</b>	<b>258</b>	<b>277</b>
USSR .....	113.9	172.4	185.4	202.2	215.7	230.0
Eastern Europe .....	<b>20.1</b>	<b>33.1</b>	<b>35.3</b>	<b>37.9</b>	<b>42.3</b>	<b>47.3</b>
Bulgaria .....	0.1	2.2*	2.7	3.0	3.3	4.5
Czechoslovakia .....	2.6	5.8	6.0	7.1	7.7	8.8
East Germany .....	3.1	6.0	7.0	7.2	7.7	8.6
Hungary .....	2.5*	3.9*	4.1	4.3	4.8	5.2
Poland .....	0.8*	3.4*	3.6*	4.1*	6.1*	6.5
Romania .....	11.0	11.8	11.9	12.2	12.7	13.7
Far East						
Communist China .....	4.7	7.2	9.0	8.9	9.8	12.5
Other						
Albania .....	0.3	0.5	0.5	0.6	0.7	0.8
Cuba .....	3.1*	3.7	3.8	4.0	4.0	4.1
Yugoslavia .....	1.3*	2.9*	4.1*	4.5*	4.5*	5.7*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium .....	6.6*	14.8*	21.4*	Greece .....	1.6*	1.8*	4.1*	Portugal .....	1.3*	1.6*	1.7*
Canada .....	35.6*	44.0*	53.6*	Italy .....	29.0*	65.2*	87.7*	Turkey .....	0.3*	4.2*	6.3*
Denmark .....	<i>Negl.*</i>	3.6*	6.6*	Netherlands .....	18.5*	29.1*	36.5*	United Kingdom .....	40.9*	60.9*	77.0*
France .....	29.8* <sup>d</sup>	56.8*	74.6*	Norway .....	0.1*	2.8*	4.6*	West Germany .....	26.2*	60.9*	82.4*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for (where produced) gasoline, kerosine, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>d</sup> Including data for Algeria.

## SECRET

Table 90

Production of Natural Gas <sup>a</sup>

Million Cubic Meters

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> . . . . .	384,000*	513,000*	552,000*	589,000*	638,000*	693,000*
United States <sup>c</sup> . . . . .	359,673*	454,198*	487,240*	514,557*	547,152*	583,390*
COMMUNIST COUNTRIES <sup>d</sup>						
USSR and Eastern Europe . . . . .	57,800*	148,000*	166,000	183,000	198,000	214,000
USSR <sup>e</sup> . . . . .	45,303*	127,666*	142,962*	157,445*	169,101*	181,300*
Eastern Europe . . . . .	12,500*	20,800*	22,700	25,700	28,800	32,600
Bulgaria . . . . .	0*	73*	109*	329*	506*	550
Czechoslovakia . . . . .	1,294*	752*	811*	1,016*	1,060*	950
East Germany . . . . .	26*	133*	150	200	200	200
Hungary . . . . .	342*	1,108*	1,552*	2,045*	2,691*	3,235*
Poland . . . . .	541*	1,312*	1,290*	1,463*	2,402*	3,760*
Romania . . . . .	10,330*	17,452*	18,789*	20,694*	21,935*	23,873*
Other						
Yugoslavia . . . . .	53*	330*	402*	461*	584*	730*

Other NATO Countries											
	1960	1965	1969		1960	1965	1969		1960	1965	1969
Canada . . . . .	14,521*	40,925*	61,296*	Italy . . . . .	6,447*	7,802*	11,796*	West Germany . . . . .	448* <sup>e</sup>	2,798*	6,488* <sup>f</sup>
France . . . . .	2,846*	5,048*	6,516*	Netherlands . . . . .	330*	1,743*	24,000*				

Other Free World Countries											
	1960	1965	1969		1960	1965	1969		1960	1965	1969
Argentina . . . . .	1,383*	4,222*	5,346* <sup>f</sup>	Mexico <sup>g</sup> . . . . .	9,665*	13,965*	17,028*	Venezuela . . . . .	4,606*	6,538*	7,754* <sup>f</sup>
Japan . . . . .	676*	1,726*	2,160*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data include only gas from natural gas wells and associated gas from petroleum fields.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries." Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.

<sup>c</sup> Data for the United States are in terms of net marketed production and agree with the general definition for the NATO data. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste), which would include gas returned to reservoirs in order to maintain horizon pressure would be as follows (in billion cubic meters):

1960	1965	1966	1967	1968
411	500	528	560	589

A much smaller share of total production in the USSR is believed to be used for repressuring.

<sup>d</sup> Gross production.

<sup>e</sup> Production from gasfields only.

<sup>f</sup> Data are for the previous year.

<sup>g</sup> Including gas used for repressuring and gas wasted.



## SECRET

Table 91

Production of Electric Power <sup>a</sup>

Billion Kilowatt-Hours

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	1,470*	2,050*	2,190*	2,310*	2,510*	2,710*
United States	893.72*	1,229.64*	1,328.21*	1,398.98*	1,526.21*	1,649.06*
Of which: hydro	149.12*	196.98*	197.94*	224.95*	225.87*	253.36*
COMMUNIST COUNTRIES						
USSR and Eastern Europe	406*	677*	730*	788*	855*	919*
USSR	292.27*	506.67*	544.57*	587.70*	638.66*	689.00*
Of which: hydro	50.91*	81.43*	91.82*	88.57*	104.04*	114.00*
Eastern Europe	114*	170*	185*	200*	217*	230*
Bulgaria	4.66*	10.24*	11.76*	13.63*	15.45*	17.23*
Czechoslovakia	24.45*	34.19*	36.47*	38.61*	41.39*	42.03*
East Germany	40.30*	53.61*	56.87*	59.69*	63.23*	65.46*
Hungary	7.62*	11.18*	11.86*	12.49*	13.16*	14.07*
Poland	29.26*	43.77*	47.36*	51.24*	55.50*	60.04*
Romania	7.65*	17.22*	20.81*	24.77*	27.83*	31.49*
Far East						
Communist China	47*	42*	47*	41*	44*	50*
North Korea	9.14*	13.4*	12.5*	14.0*	14.0*	15.5*
North Vietnam	0.26*	0.60	0.55	0.45	0.50	0.55
Other						
Albania	0.19*	0.35*	0.44*	0.59*	0.71*	0.93*
Cuba	2.98*	3.56*	3.66*	4.06*	4.20*	N.A.
Yugoslavia	8.93*	15.52*	17.17*	18.70*	20.64*	22.95*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	15.15*	21.71*	29.12*	Iceland	0.55*	0.68*	0.75*	Portugal	3.26*	4.64*	6.85*
Canada	115.10*	146.31*	193.68*	Italy	56.24*	82.97*	110.36*	Turkey	2.82*	4.95*	7.71*
Denmark	5.57*	7.93*	18.02*	Luxembourg	1.54*	2.30*	2.21*	United Kingdom	136.97*	195.99*	231.15*
France	75.01*	105.52*	136.66*	Netherlands	16.52*	25.01*	37.13*	West Germany	116.42*	168.76*	220.48*
Greece	2.29*	4.38*	8.47*	Norway	31.14*	49.06*	57.19*				

## Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
India <sup>c</sup>	20.12*	36.82*	54.00*	Spain	18.61*	31.72*	51.91*	Sweden	34.72*	49.11*	58.01*
Japan	111.49*	188.38*	311.10*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are for total (gross) production at generating centers and therefore include transmission losses and station use. (See footnote b.)<sup>b</sup> Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5% the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.<sup>c</sup> Data are for the year beginning 1 April of the stated year.

## SECRET

Table 92

Installed Electric Power Generating Capacity<sup>a</sup> in Selected Free World and Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969
<b>FREE WORLD COUNTRIES</b>						
United States.....	186,534*	254,519*	266,816*	288,185*	310,181*	331,905* <sup>b</sup>
Canada.....	23,035*	29,348*	30,765*	32,965*	35,998*	N.A.* <sup>b</sup>
France.....	21,851*	28,209*	30,217*	31,613*	34,260*	N.A.* <sup>b</sup>
Italy.....	17,686*	25,398*	26,757*	28,759*	30,264*	N.A.* <sup>b</sup>
United Kingdom.....	36,702*	49,346*	51,810*	55,732*	60,000*	62,000* <sup>b</sup>
West Germany.....	27,097*	40,123*	42,434*	45,495*	47,200*	N.A.* <sup>b</sup>
India <sup>c</sup> .....	5,650*	10,173*	11,442*	13,329*	14,300*	15,930* <sup>b</sup>
Japan <sup>c</sup> .....	23,657*	41,016*	44,952*	49,545*	53,187*	N.A.* <sup>b</sup>
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe						
USSR.....	66,721*	115,033*	123,007*	131,727*	142,504*	154,500* <sup>b</sup>
Eastern Europe						
Bulgaria.....	925*	2,155*	2,641*	2,865*	3,462*	3,940*
Czechoslovakia.....	5,662*	8,206*	9,149*	9,589*	10,071*	10,225*
East Germany.....	7,904*	10,350*	11,067*	11,522*	11,673*	12,120* <sup>b</sup>
Hungary.....	1,479*	1,998*	2,007*	2,060*	2,601*	2,711*
Poland.....	6,316*	9,672*	9,920*	10,933*	11,591*	12,861*
Romania.....	1,779*	3,258*	4,471*	5,198*	5,611*	6,400*
Far East						
Communist China.....	10,900*	13,700	14,600	15,300	15,600	16,400
North Korea.....	1,789	2,375	2,475	2,625	2,725	2,800
North Vietnam <sup>d</sup> .....	110	175	187	187	187	187
Other						
Cuba.....	935*	965*	1,105*	1,195*	1,335*	1,350*
Yugoslavia.....	2,402*	3,728*	4,268*	4,480*	4,876*	5,613*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.<sup>b</sup> Nuclear generating capacity installed as of 1969 was as follows (in thousand kilowatts): United States, 3,980; Canada, 230; France, 1,585; Italy, 627; United Kingdom, 4,163; West Germany, 840; India, 380; Japan, 178; USSR, 1,615; and East Germany, 70.<sup>c</sup> Data are for the year beginning 1 April of the stated year.<sup>d</sup> Percentage out of operation as a result of bomb damage is as follows: 1965, 27%; 1966, 32%; 1967, 65%; 1968, 45%; and 1969, 40%.

## SECRET

Table 93

Production of Crude Steel <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	194*	244*	243*	241*	257*	274*
United States <sup>c</sup>	90.07*	119.26*	121.65*	115.41*	119.26*	127.98*
COMMUNIST COUNTRIES						
USSR and Eastern Europe	86.5*	120*	128*	135*	142*	147*
USSR	65.29*	91.02*	96.91*	102.22*	106.54*	110.00*
Eastern Europe	21.2*	28.7*	30.6*	33.2*	35.4*	37.0*
Bulgaria <sup>d</sup>	0.30*	0.65*	0.76*	1.30*	1.52*	1.57*
Czechoslovakia	6.77*	8.60*	9.12*	10.00*	10.56*	10.80*
East Germany	3.75*	4.37*	4.48*	4.59*	4.70*	4.82*
Hungary	1.89*	2.52*	2.65*	2.74*	2.90*	3.03*
Poland	6.68*	9.09*	9.85*	10.45*	11.01*	11.29*
Romania	1.81*	3.43*	3.67*	4.09*	4.75*	5.54*
Far East						
Communist China	18.45*	11	12	10	12	13
North Korea	0.64*	1.23	1.30	1.50	1.60	1.80
Other						
Cuba	N.A.	0.03	0.06*	0.12*	N.A.	N.A.
Yugoslavia	1.44*	1.77*	1.87*	1.83*	2.00*	2.08*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium	7.18*	9.16*	12.80*	Italy	8.23*	12.68*	16.48*	Portugal	Negl.*	0.27*	0.39*
Canada	5.27*	9.13*	9.01*	Luxembourg	4.08*	4.58*	5.52*	Turkey	0.28*	0.45*	0.57* <sup>e</sup>
Denmark	0.32*	0.41*	0.48*	Netherlands	1.94*	3.14*	4.67*	United Kingdom	24.70*	27.44*	27.13*
France	17.28*	19.60*	22.51*	Norway	0.48*	0.69*	0.82*	West Germany	34.10*	36.82* <sup>f</sup>	45.31* <sup>f</sup>
Greece	0.06*	0.21*	0.21* <sup>e</sup>								

## Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Australia	3.75*	5.46*	7.02*	Japan	22.14*	41.16*	82.16*	Sweden	3.22*	4.73*	5.32*
India	3.29*	6.41* <sup>g</sup>	6.49* <sup>g</sup>	South Africa	2.11* <sup>h</sup>	3.29*	4.63*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for ingots and steel for castings.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Excluding steel for castings made in foundries operated by companies not producing ingots.<sup>d</sup> Including an estimate for steel for castings for all years.<sup>e</sup> Data are for the previous year.<sup>f</sup> Including data for West Berlin, for which separate data are not available.<sup>g</sup> Ingots only.<sup>h</sup> Including finished castings for sale.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 94  
Production of Rolled Steel <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup>	151	188	186	183	199	N.A.					
United States	69.35	90.09	90.00	84.45	89.92	N.A.					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	65.1	90.6	97.6	104	110	113					
USSR	50.96	70.91	76.65	81.71	85.30	87.50					
Eastern Europe	14.1	19.7	21.0	22.4	24.4	25.5					
Bulgaria	0.19	0.43	0.48	0.61	1.03	1.22					
Czechoslovakia	4.48	6.09	6.52	7.12	7.51	7.50					
East Germany	2.61	2.99	3.05	3.08	3.16	3.25					
Hungary	1.19	1.70	1.73	1.76	1.98	2.02					
Poland	4.42	6.13	6.58	6.95	7.33	7.66					
Romania	1.25	2.35	2.59	2.91	3.39	3.82					
Other											
Yugoslavia	0.97	1.19	1.23	1.18	1.51	1.66					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium <sup>c</sup>	5.88	7.72	9.37	Italy	7.78	10.62	14.05	Portugal	N.A.	0.23	0.29
Canada	4.13	6.72	7.56	Luxembourg	3.22	3.60	3.78	Turkey	0.21	0.40	0.49
Denmark	0.22	0.29	0.41	Netherlands	1.69	2.38	3.03	United Kingdom	18.41	20.76	20.26
France	13.70	15.72	16.41	Norway	0.33	0.53	0.65	West Germany	25.84	28.48	32.42
Other Free World Countries											
	1960	1965	1968								
Japan	17.20	33.42	55.69								

<sup>a</sup> Unless otherwise indicated, data are for hot-rolled steel.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including steel forgings and rolled wrought-iron products.

## SECRET

Table 95

Production of Pig Iron and Blast-Furnace Ferroalloys<sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup>	136,000*	169,000*	169,000*	169,000*	179,000*	191,000*					
United States	61,072*	80,584*	83,605*	79,505*	81,042*	86,391*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	60,200*	84,100*	89,300*	95,600*	100,000*	104,000*					
USSR	46,757*	66,184*	70,264*	74,812*	78,788*	81,600*					
Eastern Europe	13,400*	17,900*	19,100*	20,800*	21,600*	22,600*					
Bulgaria	192*	695*	903*	1,028*	1,109*	1,134*					
Czechoslovakia	4,696*	5,868*	6,269*	6,822*	6,920*	7,010*					
East Germany	1,995*	2,338*	2,448*	2,525*	2,333*	2,400*					
Hungary	1,244*	1,577*	1,633*	1,655*	1,638*	1,753*					
Poland	4,253*	5,375*	5,611*	6,327*	6,642*	6,825*					
Romania	1,014*	2,019*	2,198*	2,456*	2,992*	3,477*					
Far East											
Communist China	27,500* <sup>c</sup>	12,000	15,400	14,000	15,500	16,000					
North Korea	752*	1,120	1,290	1,400	1,500	1,690					
North Vietnam	10*	200	150	N.A.	N.A.	N.A.					
Other											
Yugoslavia	972*	1,115*	1,143*	1,177*	1,201*	1,198*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium	6,553*	8,366*	11,160*	Luxembourg <sup>d</sup>	3,713*	4,145*	4,872*	Turkey	247*	424*	550*
Canada	4,025*	6,587*	6,840*	Netherlands	1,346*	2,365*	3,420*	United King-			
Denmark	69*	78*	207*	Norway	373*	526*	703*	dom	16,016*	17,740*	16,794*
France	14,144*	15,769*	18,127*	Portugal	Negl.*	279*	320*	West Ger-			
Italy	2,715*	5,501*	7,818*					many	25,729*	26,989* <sup>e</sup>	33,760* <sup>e</sup>
Other Free World Countries <sup>f</sup>											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Australia <sup>g</sup>	2,939*	4,313*	6,084*	Japan	12,341*	27,502*	58,147*	Sweden	1,626*	2,286*	2,496*
India	4,275*	7,124*	7,248* <sup>h</sup>	South Africa	2,000*	3,603*	4,356*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including 13.4 million metric tons made in "small blast furnaces," of which 6.5 million metric tons was usable for steelmaking.<sup>d</sup> Including small quantities of foreign-produced pig iron returned to furnaces.<sup>e</sup> Including data for West Berlin, for which separate data are not available.<sup>f</sup> Data may include some electric-furnace ferroalloys.<sup>g</sup> Excluding ferroalloys.<sup>h</sup> Data are for the previous year.

## SECRET

Table 96

Production of Iron Ore <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	218*	220*	217*	205*	219*	216*
United States <sup>c</sup> .....	89.04*	89.18*	92.16*	85.55*	85.65*	90.67*
COMMUNIST COUNTRIES <sup>d</sup>						
USSR and Eastern Europe.....	115*	166*	173*	181*	189*	198*
USSR.....	105.86*	153.43*	160.27*	168.25*	176.62*	186.00*
Eastern Europe.....	9.34*	12.1*	13.0*	12.7*	12.1*	12.1*
Bulgaria.....	0.42*	1.80*	2.61*	2.50*	2.64*	2.69*
Czechoslovakia.....	3.12*	2.57*	2.24*	1.91*	1.57*	1.60*
East Germany.....	1.64*	1.65*	1.72*	1.68*	1.41*	1.45*
Hungary.....	0.52*	0.76*	0.75*	0.72*	0.64*	0.68*
Poland.....	2.18*	2.86*	3.05*	3.08*	3.05*	2.82*
Romania.....	1.46*	2.48*	2.68*	2.80*	2.75*	2.90*
Far East						
Communist China.....	56.43	24.83	31.10	28.00	31.10	32.00
North Korea.....	3.11*	4.96* <sup>e</sup>	5.00*	5.46	5.50	6.20
North Vietnam.....	0.02*	0.40	0.30	N.A.	N.A.	N.A.
Other						
Albania <sup>f</sup> .....	0.26*	0.39*	0.39*	0.40*	N.A.	N.A.
Yugoslavia.....	2.20*	2.50*	2.49*	2.58*	2.72*	2.72*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium.....	0.16*	0.09*	0.09*	Greece.....	0.30*	0.03*	0.03*	Portugal.....	0.29*	0.19*	0.16*
Canada <sup>g</sup> .....	19.55*	36.25*	38.15*	Italy.....	1.25*	0.81*	0.77*	Turkey.....	0.79*	1.55*	1.90* <sup>h</sup>
Denmark.....	0.07*	0.04*	0.02* <sup>h</sup>	Luxembourg...	6.98*	6.32*	6.31*	United Kingdom <sup>i</sup> ...	17.36*	15.66*	12.30*
France.....	66.91*	59.52*	55.14*	Norway <sup>l</sup> .....	1.58*	2.42*	3.70*	West Germany <sup>k</sup> ...	14.18*	7.95* <sup>l</sup>	6.06* <sup>l</sup>

## Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Austria.....	3.54*	3.54*	3.98*	Japan <sup>m</sup> .....	2.85*	2.52*	1.86*	Sweden <sup>n</sup> .....	21.69*	29.35*	33.28*
India.....	16.61*	23.74*	28.34*	Spain.....	5.49*	5.79*	6.23*	Venezuela.....	19.49*	17.65*	19.30*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganese ores but excluding pyrites.

<sup>b</sup> Including data for the United States and those countries listed under "Other NATO Countries." The metal content of the ore in the NATO countries and other Free World countries follows: Luxembourg and the United Kingdom, 27%-30%; Austria, Belgium, France, and West Germany, 31%-34%; Greece, Italy, Portugal, Spain, and the United States, 46%-50%; Canada and Japan, 55%; Turkey, 60%; Sweden, 61%; and India, Norway, and Venezuela, 57%-62%. The metal content of iron ore in Denmark is not available.

<sup>c</sup> Excluding manganese iron ore containing 5% or more of manganese.

<sup>d</sup> The metal content of the ore in selected Communist countries follows: the USSR, in terms of dressed ore, 55% of the ore; Communist China, 20%-50%; North Korea, 40%-50%; Albania, 50%-55% (1% nickel); Bulgaria, 38%-50%; Czechoslovakia, 34%; East Germany, 25%-30%; Hungary, 24%-28%; Poland, 30%; Romania, 32%-40%; Yugoslavia, 40%; and North Vietnam, 55%.

<sup>e</sup> Based on an announced increase for 1965 of 24% applied to 1964 plan data.

<sup>f</sup> Iron-nickel ore that is mined for its nickel content.

<sup>g</sup> Shipments.

<sup>h</sup> Data are for the previous year.

<sup>i</sup> Data are for concentrates only and exclude titaniferous ores.

<sup>j</sup> Excluding certain grades.

<sup>k</sup> Merchant ores and concentrates.

<sup>l</sup> Including data for West Berlin, for which separate data are not available.

<sup>m</sup> Including iron sand and ferro-manganese ore.

<sup>n</sup> Including concentrates.

SECRET

91

SECRET

Table 97

Production of Manganese Ore<sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	189*	107*	103*	99*	105*	N.A.*
United States <sup>c</sup> .....	73*	27*	13*	11*	10*	N.A.*
COMMUNIST COUNTRIES						
USSR and Eastern Europe .....	6,350*	8,040*	8,150*	7,640*	6,980*	7,400*
USSR .....	5,872*	7,576*	7,706*	7,175*	6,564*	7,000*
Eastern Europe .....	477*	461*	442*	463*	413*	402*
Bulgaria .....	25*	42*	30*	44*	41*	39*
Czechoslovakia .....	154*	80*	90*	80*	86*	88*
Hungary .....	123*	213*	210*	209*	156*	145*
Romania .....	175*	126*	112*	130*	130*	130*
Far East						
Communist China .....	708	312	375	340	375	400
Other						
Cuba .....	123*	120	115	N.A.	N.A.	N.A.
Yugoslavia .....	13*	8*	9*	10*	14*	12*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Greece .....	31*	11*	8*	Portugal . . . .	7*	8*	10*	Turkey .....	28*	14*	25*
Italy .....	49*	48*	51*								

## Other Free World Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Brazil .....	999*	1,396*	1,426*	Gabon .....	N.A.*	1,280*	1,164*	Japan .....	324*	303*	323*
Congo (Kinshasa) . . . .	382*	378*	322*	India .....	1,199*	1,647*	1,602*	South Africa .....	1,194*	1,567*	1,972*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> The metal content of the ore of various countries is as follows: the United States, more than 35%; other Free World countries and Cuba, 30% to 53%; the USSR, about 45%; Communist China and Yugoslavia, about 35%; Romania, 30%; Czechoslovakia, less than 30%; Bulgaria, about 27%; and Hungary, 26%.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Shipments.

SECRET

SECRET

Table 98  
Production of Refined Nickel<sup>a</sup>

	Metric Tons										
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> . . . . .	205,000*	240,000*	230,000*	258,000*	271,000*	N.A.*					
United States <sup>c</sup> . . . . .	12,975*	12,256*	12,008*	13,259*	13,747*	N.A.*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe . . . . .	72,200	100,000	107,000	115,000	N.A.	N.A.					
USSR . . . . .	72,000	100,000	107,000	115,000	124,000	133,000					
Eastern Europe . . . . .	222	50	0	0	N.A.	N.A.					
East Germany . . . . .	222	50	0	0	N.A.	N.A.					
Other											
Cuba <sup>d</sup> . . . . .	14,700	28,200	27,900	32,000	37,000*	37,000*					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968					
Canada <sup>e</sup> . . . . .	114,735*	147,000*	168,000*	Italy . . . . .	500*	350*	N.A.*	United Kingdom . . . . .	34,300*	40,487*	41,650*
France <sup>f</sup> . . . . .	10,016*	8,150*	10,295*	Norway . . . . .	30,428*	31,835*	32,172*	West Germany . . . . .	2,523*	305*	318*
Greece . . . . .	N.A.*	N.A.*	4,304*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for refined metal.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Nickel recovered from refined domestic ore and nickel recovered as a byproduct of electrolytic refining of copper. Secondary nickel produced from nonferrous scrap is excluded.

<sup>d</sup> Nickel content of oxides and sulfides.

<sup>e</sup> Including nickel and content of oxides and salts produced, plus exports of recoverable nickel in matte and concentrates.

<sup>f</sup> Excluding data for New Caledonia.

SECRET

93



SECRET

Table 99

Production of Chromite<sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969	
NATO COUNTRIES <sup>b</sup> .....	279*	264*	298*	254*	240*	N.A.*	
United States <sup>c</sup> .....	37.4* <sup>d</sup>	Negl.*	Negl.*	Negl.*	Negl.*	Negl.*	
COMMUNIST COUNTRIES <sup>e</sup>							
USSR.....	519.5	735.0	800.0	830.0	867.0	900.0	
North Vietnam.....	19.4*	15.0	Negl.	Negl.	Negl.	Negl.	
Albania.....	130.1*	141.2	137.1	148.5	164.6	189.3	
Cuba.....	10.0* <sup>f</sup>	14.4	13.1	N.A.	N.A.	N.A.	
Yugoslavia.....	25.4*	20.8*	14.1*	12.3*	11.8*	N.A.*	
Other NATO Countries							
	1960	1965	1968	1960	1965	1968	
Greece.....	20.6*	21.5*	5.1*	Turkey.....	220.7*	242.2*	234.9*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of ores mined. In many instances, data are only approximate.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Shipments.<sup>d</sup> Production for the Federal Government only.<sup>e</sup> The following percentages were used to reduce the estimates of ores mined in the Communist countries to show the chromic oxide content: USSR, a part at 35% and the remainder at 40%; North Vietnam, at 50%; Albania, at 45%; Cuba, at 35%; and Yugoslavia, at about 26%.<sup>f</sup> US imports.

SECRET

## SECRET

Table 100  
Production of Molybdenum<sup>a</sup>

	Metric Tons										
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	31,500*	39,700*	50,600*	50,800*	51,700*	58,100*					
United States.....	30,952*	35,095*	41,065*	40,867*	42,400*	44,633*					
COMMUNIST COUNTRIES											
USSR.....	4,800	7,300	7,600	8,000	8,500	9,000					
Far East											
Communist China.....	3,800	1,000	1,000	1,000	1,000	1,000					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
Canada <sup>c</sup> .....	348*	4,335*	13,154*	Norway.....	246*	239*	272*d				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Chile.....	1,852*	3,693*	3,629*	Japan.....	381*	277*	226*d	Peru.....	Negl.*	680*	816*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Molybdenum content of ores and concentrates.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Shipments.

<sup>d</sup> Data are for the previous year.

Table 101

Production of Cobalt<sup>a</sup>

	Metric Tons					
	1960	1965	1966	1967	1968	1969
FREE WORLD COUNTRIES						
Canada <sup>b</sup> .....	1,618*	1,655*	1,593*	1,635*	1,805*	1,451*
Congo (Kinshasa) <sup>c</sup> .....	8,222*	8,388*	11,297*	9,718*	10,399*	10,886*
Morocco.....	1,271*	1,832*	1,994*	1,928*	1,669*	1,724*
Zambia <sup>c</sup> .....	1,847*	1,544*	1,515*	1,455*	1,197*	1,361*
COMMUNIST COUNTRIES						
USSR.....	1,640	3,400	3,800	4,000	4,200	4,400

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for the cobalt content of ores mined.

<sup>b</sup> Including metal, salts, and oxides recovered from smelter products and residues exported.

<sup>c</sup> Cobalt content of alloys.

## SECRET

Table 102

Production of Tungsten Ore <sup>a</sup>

Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	10,300*	11,700*	13,200*	10,800*	15,200*	N.A.*
United States <sup>c</sup>	6,645*	7,213*	8,086*	8,240*	9,712*	N.A.*
COMMUNIST COUNTRIES						
USSR	11,400	14,000	14,000	14,000	14,000	14,000
Far East						
Communist China	29,000	15,000	14,000	12,000	12,000	12,000
North Korea	3,000	4,000	4,000	N.A.	N.A.	N.A.
Other NATO Countries						
	1960	1965	1968	1960	1965	1968
Canada	N.A.*	2,826*	2,722*	7*	1*	1*
France	683*	0*	0*			
Italy						
Portugal				2,917*	1,643*	2,722*
Other Free World Countries						
	1960	1965	1968	1960	1965	1968
Australia	1,882*	1,992*	2,412*	575*	214*	82*
Bolivia <sup>d</sup>	2,150*	1,823*	3,813*	5,734*	4,479*	4,400*
Burma <sup>e</sup>	944*	334*	293*			
Congo (Kinshasa) <sup>e</sup>						
Spain	934*	47*	234*			
South Korea						
Thailand	442*	555*	942*			

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for the estimated tonnage of tungsten concentrates, 60% tungsten trioxide (WO<sub>3</sub>) basis.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Shipments.

<sup>d</sup> Exports.

<sup>e</sup> Including WO<sub>3</sub> in tin-tungsten concentrates.

## SECRET

Table 103

Production of Gold <sup>a</sup>

Million US \$

	1960	1965	1966	1967	1968	1969
<b>FREE WORLD COUNTRIES</b>						
United States.....	58.8*	58.6*	63.1*	55.4*	53.9*	59.5*
Australia.....	38.0*	30.7*	32.0*	28.2*	27.5*	24.7*
Canada.....	162.0*	125.6*	114.6*	103.7*	94.1*	85.2*
Colombia.....	15.2*	11.2*	9.8*	9.0*	8.4*	7.7*
Congo (Kinshasa).....	11.1*	2.3*	5.6*	5.3*	5.9*	N.A.*
Ghana.....	30.8*	26.7*	24.0*	26.7*	25.4*	24.6*
India.....	5.6*	4.6*	4.2*	3.6*	4.0*	3.6*
Japan.....	11.8*	18.1*	19.4*	23.7*	21.5*	23.2*
Mexico.....	10.5*	7.6*	7.5*	6.4*	5.2*	7.0*
Nicaragua.....	6.9*	5.4*	5.2*	5.2*	4.9*	N.A.*
Peru.....	4.9*	3.7*	3.9*	3.0*	2.9*	3.0*
Philippines.....	14.4*	15.4*	15.9*	17.2*	18.5*	18.9*
Rhodesia.....	19.7*	19.0*	19.3*	18.0*	17.5*	N.A.*
South Africa.....	748.4*	1,069.0*	1,080.8*	1,061.6*	1,088.0*	1,090.8*
<b>COMMUNIST COUNTRIES</b>						
USSR.....	124	176	188	200	207	219
Communist China.....	35.0	24.5	24.5	22.0	22.0	22.0
Czechoslovakia.....	2.3	2.6	2.7	2.7	2.7	2.7
Romania.....	12.8	17.0	20.0	25.0	26.0	26.0

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Based on a value of \$35 per troy ounce.

SECRET

97

## SECRET

Table 104

Production of Refined Copper <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> . . . . .	2,850*	3,280*	3,300*	2,760*	3,180*	3,410*					
United States <sup>c</sup> . . . . .	1,642.6*	1,956.7*	1,997.4*	1,396.7*	1,681.9*	2,026.5*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe . . . . .	591	913	975	1,070	1,160	1,260					
USSR . . . . .	490.0*	772.0*	828.0*	915.0*	992.0*	1,078.0*					
Eastern Europe . . . . .	101	141	147	158	165	177					
Bulgaria . . . . .	14.0*	23.9*	25.7*	33.5*	36.5*	36.7*					
Czechoslovakia . . . . .	10.1*	12.3*	12.3*	11.1*	11.8*	12.0*					
East Germany . . . . .	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*					
Hungary . . . . .	8.2*	12.0	12.0	12.0	12.0	12.0					
Poland . . . . .	21.7*	37.4*	39.8*	42.2*	43.6*	54.7*					
Romania . . . . .	7.0	15.0	17.0	19.0	21.0	22.0					
Far East											
Communist China . . . . .	90.0	96.0	120.0	N.A.	N.A.	100.0					
North Korea . . . . .	8.5*	18.0*	19.0*	21.0*	21.0*	21.0					
Other											
Albania <sup>d</sup> . . . . .	0.9*	4.2*	4.8*	4.8*	5.5*	6.4*					
Yugoslavia . . . . .	35.1*	56.4*	62.9*	66.2*	70.1*	82.0*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium . . . . .	211.8*	280.0*	298.7*	Italy . . . . .	15.6*	12.7*	16.5*	Turkey . . . . .	11.7*	6.5*	11.8*
Canada . . . . .	378.2*	393.8*	403.3*	Norway . . . . .	17.1*	14.8*	22.1*	United Kingdom . . . . .	218.9*	227.6*	198.2*
France . . . . .	40.2*	41.1*	37.0*	Portugal . . . . .	5.3*	3.8*	3.7*	West Germany . . . . .	309.1*	342.4*	396.1* <sup>e</sup>
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Chile . . . . .	225.6*	288.8*	434.8*	India . . . . .	8.9*	9.4*	9.8*	Zambia . . . . .	402.6*	522.3*	598.5*
Congo (Kinshasa) . . . . .	144.7*	152.6*	170.0*	Japan . . . . .	248.1*	365.7*	629.1*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for primary and secondary refined copper produced from domestic and imported ores and scrap.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including production from secondary plants and copper refined by manufacturers for their own use.<sup>d</sup> Blister copper.<sup>e</sup> Including data for West Berlin, for which separate data are not available.

## SECRET

Table 105

## Production of Primary Aluminum

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	3,210*	4,270*	4,600*	4,980*	5,120*	5,660*					
United States.....	1,828*	2,499*	2,693*	2,966*	2,953*	3,441*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	793	1,210	1,430	1,610	1,790	1,870					
USSR.....	630	1,000	1,160	1,295	1,435	1,500					
Eastern Europe.....	163*	206	267	319	351	374					
Czechoslovakia.....	52*	56*	60*	60*	60*	60*					
East Germany.....	35*	45	45	52	58	63					
Hungary.....	50*	58*	60*	62*	63*	64*					
Poland.....	26*	47*	55*	92*	94*	97*					
Romania <sup>b</sup> .....	0*	0*	47*	53*	76*	90*					
Far East											
Communist China.....	80	115	125	145	179	195					
Other											
Yugoslavia.....	25*	39*	42*	45*	48*	48*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Canada.....	691*	753*	907*	Italy.....	84*	124*	146*	United Kingdom.....	29*	36*	34*
France.....	238*	340*	371*	Norway <sup>c</sup> .....	171*	276*	502*	West Germany.....	169*	238* <sup>d</sup>	263* <sup>d</sup>
Other Free World Countries											
	1960	1965	1969	1960	1965	1969					
India.....	18*	62*	130*	Japan.....	133*	294*	569*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>b</sup> Primary aluminum and aluminum alloys.

<sup>c</sup> Including the pure content of virgin alloys.

<sup>d</sup> Including data for West Berlin, for which separate data are not available.

## SECRET

Table 106

## Production of Bauxite

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	5,300*	5,860*	6,260*	6,400*	6,460*	6,790*					
United States.....	2,030*	1,681*	1,825*	1,681*	1,692*	1,829*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	4,390	6,350	6,660	7,310	7,580	7,240					
USSR <sup>b</sup> .....	3,110	4,860	5,220	5,460	5,370	5,000					
Eastern Europe.....	1,280*	1,490*	1,440*	1,850*	2,210*	2,240*					
Hungary.....	1,190*	1,478*	1,429*	1,649*	1,959*	1,935*					
Romania.....	88*	12*	15*	200*	250*	300*					
Far East											
Communist China <sup>c</sup> .....	640	920	1,000	1,160	1,432	1,560					
Other											
Yugoslavia.....	1,025*	1,574*	1,887*	2,131*	2,072*	2,128*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
France.....	2,068*	2,662*	2,845*	Italy.....	313*	245*	222*	West Germany.....	4*	4*	3* <sup>d</sup>
Greece.....	884*	1,270*	1,896*								
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Guyana.....	2,511*	2,919*	3,556*	Jamaica.....	5,837*	8,651*	10,160*	Surinam.....	3,455*	4,360*	5,588*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>b</sup> Excluding nonbauxite ore such as nepheline and alunite for the production of alumina.

<sup>c</sup> Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

<sup>d</sup> Data are for the previous year.

## SECRET

Table 107

Smelter Production of Lead <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> . . . . .	<b>845*</b>	<b>915*</b>	<b>939*</b>	<b>933*</b>	<b>991*</b>	<b>1,180*</b>
United States <sup>c</sup> . . . . .	346.9*	379.4*	399.8*	344.6*	423.9*	595.2*
COMMUNIST COUNTRIES						
USSR and Eastern Europe . . . . .	<b>436</b>	<b>608*</b>	<b>647*</b>	<b>703*</b>	<b>736*</b>	<b>775*</b>
USSR . . . . .	324.0*	433.0*	463.0*	495.0*	528.0*	563.0*
Eastern Europe . . . . .	<b>112</b>	<b>175*</b>	<b>184*</b>	<b>208*</b>	<b>208*</b>	<b>212*</b>
Bulgaria . . . . .	40.4*	93.4*	92.8*	96.6*	92.7*	95.1*
Czechoslovakia . . . . .	9.1*	14.6*	14.6*	14.6*	14.6*	14.6*
East Germany . . . . .	10.4	12.5*	12.5*	12.5*	12.5*	12.5*
Hungary . . . . .	0.5	0.5*	0.5*	0.5*	0.5*	0.5*
Poland <sup>d</sup> . . . . .	39.7*	41.4*	43.5*	44.8*	48.7*	50.7*
Romania <sup>d</sup> . . . . .	12.0*	12.2*	20.0*	39.0*	39.0*	39.0*
Far East						
North Korea . . . . .	34.0	54.0*	57.0*	61.0*	61.0*	61.0*
Other						
Yugoslavia . . . . .	89.1*	101.6*	97.8*	93.8*	94.8*	107.0*

Other NATO Countries											
	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium <sup>e</sup> . . . . .	92.7*	110.8*	112.3*	Greece . . . . .	3.1*	5.2*	8.9* <sup>f</sup>	Turkey . . . . .	0.5*	0.9*	0.5* <sup>f</sup>
Canada . . . . .	144.0*	169.2*	169.2*	Italy . . . . .	41.6*	45.4*	63.0*	United Kingdom . . . . .	1.1*	0.1*	<i>Negl.*</i>
France . . . . .	74.4*	98.4*	107.9*	Portugal . . . . .	0.9*	1.3*	1.2* <sup>f</sup>	West Germany . . . . .	139.2*	104.0*	126.0*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Excluding refined lead produced from imported base bullion.

<sup>d</sup> Probably including some secondary metal.

<sup>e</sup> Including secondary metal.

<sup>f</sup> Data are for the previous year.

SECRET

101



## SECRET

Table 108

	Production of Refined Zinc <sup>a</sup>						Thousand Metric Tons				
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup>	1,850*	2,200*	2,280*	2,160*	2,390*	2,640*					
United States <sup>c</sup>	787.7*	978.0*	1,005.3*	918.4*	982.7*	1,041.3*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	575	793	861	933	1,010*	1,080*					
USSR <sup>d</sup>	364.0*	504.0*	551.0*	610.0*	678.0*	748.0*					
Eastern Europe	211	289	310	323	330*	336*					
Bulgaria	16.9*	65.8*	76.8*	73.9*	75.1*	75.8*					
Czechoslovakia	2.0*	3.0*	3.0*	3.0*	3.0*	3.0*					
East Germany	4.1	14.0	13.8	13.8	13.8*	13.8*					
Hungary	0.4*	0.4*	0.4*	0.4*	0.4*	0.4*					
Poland	175.5*	190.4*	193.0*	196.1*	202.5*	208.0*					
Romania	12.5	15.4*	23.1*	35.5*	35.5*	35.5*					
Far East											
North Korea	55.0*	80.0*	84.0*	88.0*	88.0*	88.0*					
Other											
Yugoslavia	35.9*	46.1*	51.1*	53.2*	78.5*	81.1*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium	247.6*	238.1*	256.4*	Italy	85.2*	80.9*	130.5*	United Kingdom	75.5*	106.8*	150.9*
Canada	238.2*	325.5*	423.4*	Netherlands	36.1*	41.8*	46.3*	West Germany	191.9*	182.2*	281.3*
France	146.4*	192.0*	254.4*	Norway	43.6*	52.4*	58.8*				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969					
Japan	180.5*	367.8*	712.2*	Mexico	52.9*	62.6*	70.6*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Including production from secondary smelters. Production of primary zinc in the United States was as follows (in metric tons): 1960, 725,300; 1965, 902,100; 1966, 929,900; 1967, 851,700; 1968, 926,100; and 1969, 952,500.

<sup>d</sup> Primary metal only, representing slightly less than 80% of total production.

SECRET

Table 109

Smelter Production of Primary Tin Metal<sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> . . . . .	56.8*	44.6*	41.4*	47.3*	44.0*	38.4*					
United States <sup>c</sup> . . . . .	13.7*	3.1*	3.9*	3.1*	3.5*	<i>Negl.*</i>					
COMMUNIST COUNTRIES											
USSR and Eastern Europe . . . . .	11.4	15.2	16.4	18.0	19.3	20.9					
USSR . . . . .	10.6	14.0	15.2	16.7	18.0	19.6					
Eastern Europe . . . . .	0.8	1.2*	1.2*	1.3*	1.3*	1.3					
East Germany . . . . .	0.8	1.2*	1.2*	1.3*	1.3*	1.3					
Far East											
Communist China . . . . .	28.0	11.0	11.0	8.0	9.0	10.0					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium . . . . .	8.4*	4.3*	4.6*	Portugal . . . . .	0.6*	0.6*	0.5*	West Germany . . . . .	0.8*	1.4*	1.5*
Netherlands . . . . .	6.5*	18.4*	5.4*	United Kingdom . . . . .	26.8*	16.8*	26.4*				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Japan . . . . .	1.2*	1.6*	1.4*	Malaysia . . . . .	77.6*	73.6*	88.2*	Nigeria . . . . .	0*	9.5*	9.1*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for primary (virgin) metal and exclude tin derived from scrap or detinning.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Estimated data based on imports of tin concentrates.

SECRET

103

SECRET

Table 110

Production of Primary Magnesium <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	64.9*	124*	120*	137*	141*	148*					
United States .....	36.4*	73.8*	72.4*	88.4*	89.2*	96.2*					
COMMUNIST COUNTRIES											
USSR .....	25.0	66.5	71.0	76.0	84.0	90.0					
Other NATO Countries											
	1960	1965	1969		1960	1965	1969				
Canada .....	6.6*	9.2*	8.9*	Italy .....	5.4*	6.3*	6.8*	United Kingdom <sup>c</sup> .....	3.7*	5.4*	0* <sup>d</sup>
France .....	2.1*	2.6*	4.3*	Norway .....	10.3*	26.4*	31.8*	West Germany .....	0.3*	0.5*	N.A.*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for primary (virgin) metal in ingots and ingot equivalent of other forms.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including remelt alloys.<sup>d</sup> Production suspended in June 1966.

Table 111

Production of Titanium Sponge Metal <sup>a</sup> in the US and the USSR

Metric Tons

	1960	1965	1966	1967	1968	1969
United States .....	4,818*	8,100* <sup>b</sup>	15,000* <sup>b</sup>	18,000* <sup>b</sup>	N.A.*	N.A.*
USSR .....	3,000	9,000	11,000	13,000	15,000	18,000

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Raw titanium in the form of sponge metal produced by the Kroll method from rutile or ilmenite concentrates.<sup>b</sup> Based on reports from various trade publications.

SECRET

CONSUMER GOODS,  
PRODUCERS' GOODS,  
AND CONSTRUCTION

## SECRET

Table 112

## Production of Footwear \* in the US and the USSR

Million Pairs

	1960	1965	1966	1967	1968	1969
United States .....	600.0*	629.1*	641.7*	600.0*	642.4*	580.9*
USSR .....	419.3*	486.0*	522.2*	561.3*	597.6*	635.0*

\* An asterisk indicates that the data are unclassified.

a Shoes and slippers.

Table 113

## Production of Woven Cotton Fabrics \* in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Free World Countries</b>							
United States .....	Million linear meters.....	8,564*	8,469*	8,107*	7,555*	6,774*	6,546*
Canada <sup>b c d</sup> .....	Million linear meters.....	240*	306*	247*	252*	250*	250*
India <sup>e</sup> .....	Million linear meters.....	6,629*	7,643*	7,336*	7,277*	7,896*	7,590*
Japan <sup>b</sup> .....	Million square meters.....	3,221*	3,013*	2,913*	2,825*	2,744*	2,779*
Pakistan <sup>c f</sup> .....	Million linear meters.....	575*	658*	644*	705*	701*	720*
Turkey <sup>c</sup> .....	Million linear meters.....	384*	781*	640*	694*	773*	743*
United Kingdom <sup>c</sup> .....	Million linear meters.....	1,183*	928*	837*	681*	668*	623*
<b>Communist Countries</b>							
USSR <sup>b c</sup> .....	Million linear meters.....	6,387*	7,077*	7,238*	7,414*	7,562*	7,592*
Bulgaria <sup>b</sup> .....	Million linear meters.....	218*	291*	299*	307*	319*	335*
Czechoslovakia .....	Million linear meters.....	464*	500*	518*	515*	506*	500*
East Germany .....	Million square meters.....	254*	244*	244*	247*	250*	N.A.
Hungary <sup>b</sup> .....	Million square meters.....	225*	305*	317*	304*	292*	269*
Poland <sup>b</sup> .....	Million linear meters.....	667*	811*	845*	824*	835*	846*
Romania <sup>b</sup> .....	Million square meters.....	248*	319*	339*	357*	377*	406*
Communist China .....	Million linear meters.....	N.A.	4,500	5,000	4,000	4,000	4,500
Yugoslavia .....	Million square meters.....	257*	394*	416*	378*	401*	416*

\* An asterisk indicates that the data are unclassified.

a Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

b Fabrics after undergoing finishing processes.

c Excluding mixed fabrics.

d Shipments.

e Mill and decentralized sector production.

f Mill production only. Data include finished fabrics.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 114

Production of Woven Woolen Fabrics <sup>a</sup> in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969
<b>Free World Countries</b>							
United States.....	Million linear meters.....	262	244	242	218	222	208
Australia <sup>b</sup> .....	Million square meters.....	25	20	20	18	19	20
Canada <sup>c d</sup> .....	Million linear meters.....	14	15	14	12	13	15
India <sup>e</sup> .....	Million linear meters.....	8	10	9	9	12	13
Japan <sup>f</sup> .....	Million square meters.....	316	341	345	377	386	434
Netherlands.....	Million square meters.....	68	67	69	58	N.A.	N.A.
Turkey <sup>g</sup> .....	Million linear meters.....	10	24	26	27	30	27
United Kingdom.....	Million square meters.....	307	270	253	246	246	241
<b>Communist Countries</b>							
USSR <sup>e g</sup> .....	Million linear meters.....	342	365	398	427	455	482
Bulgaria <sup>c</sup> .....	Million linear meters.....	19	20	22	22	23	25
Czechoslovakia.....	Million linear meters.....	46	44	45	46	46	48
East Germany.....	Million square meters.....	48	38	39	38	35	N.A.
Hungary <sup>e</sup> .....	Million square meters.....	27	29	31	33	30	23
Poland <sup>e</sup> .....	Million linear meters.....	79	91	91	90	94	99
Romania <sup>e</sup> .....	Million square meters.....	32	41	44	50	52	55
Yugoslavia.....	Million square meters.....	46	54	57	50	50	48

<sup>a</sup> Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics.

<sup>b</sup> Twelve months ending 30 June of the stated year.

<sup>c</sup> Fabrics after undergoing finishing processes.

<sup>d</sup> Factory shipments.

<sup>e</sup> Wearable fabrics produced in the mill sector only.

<sup>f</sup> Including finished fabrics.

<sup>g</sup> Excluding mixed fabrics.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 115

Production of Woven Rayon and Acetate Fabrics <sup>a</sup> in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969
Free World Countries							
United States	Million linear meters	1,312	1,622	1,502	1,478	1,596	1,554
Canada	Million linear meters	70	137	136	138	158	N.A.
India <sup>b</sup>	Million linear meters	550	870	853	882	1,006	N.A.
Japan <sup>c</sup>	Million square meters	1,828	1,653	1,661	1,624	1,632	1,644
United Kingdom <sup>b</sup>	Million linear meters	564	572	564	484	469	500
Communist Countries							
USSR <sup>b d</sup>	Million linear meters	755	900	970	1,036	1,033	1,113
Bulgaria <sup>b d e</sup>	Million linear meters	11	15	17	19	19	20
Czechoslovakia	Million linear meters	58	59	62	63	67	67
East Germany	Million square meters	57	55	59	62	65	N.A.
Hungary <sup>d</sup>	Million square meters	25	32	33	34	36	44
Poland <sup>d</sup>	Million linear meters	103	103	104	114	118	119
Romania <sup>d</sup>	Million square meters	22	26	27	28	31	36
Yugoslavia	Million square meters	19	24	30	27	31	30

<sup>a</sup> Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

<sup>b</sup> Including fabrics of noncellulosic fibers.

<sup>c</sup> Including finished fabrics.

<sup>d</sup> Fabrics after undergoing finishing processes.

<sup>e</sup> Including fabrics of natural silk.

Table 116

Production of Synthetic Fibers <sup>a</sup> in Selected Free World and Communist Countries

	1960	1965	1966	1967	1968	1969	Thousand Metric Tons
Free World Countries							
United States	307.2	806.0	938.4	1,058.5	1,457.2	1,581.0	
Canada	17.0	37.5	45.0	47.7	62.4	N.A.	
France	45.3	87.1	109.3	109.6	132.4	156.3	
Italy	33.7	110.7	143.8	153.0	195.1	235.0	
Japan	118.3	379.6	460.5	578.0	692.4	806.4	
United Kingdom	61.0	148.0	174.8	194.1	272.8	N.A.	
West Germany <sup>b</sup>	52.3	179.3	213.4	252.2	361.3	450.0	
Communist Countries							
USSR	15.0	77.5	96.3	115.8	129.7	142.4	
Czechoslovakia	3.0	9.6	11.0	10.8	12.7	18.2	
East Germany	7.8	18.9	20.6	23.7	25.8	30.7	
Hungary	<i>Negl.</i>	2.3	3.6	4.1	4.5	5.0	
Poland	7.8	23.2	28.9	35.8	43.2	49.0	
Romania	0.9	3.3	5.5	8.0	9.6	16.8	

<sup>a</sup> Data are for noncellulosic fibers either made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

<sup>b</sup> Beginning in 1965, including data for West Berlin, for which separate data are not available.

ALL DATA IN THESE TABLES ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

SECRET

Table 117

Production of Metalcutting Machine Tools<sup>a</sup> in the United States and Selected Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969
United States.....	42.91*	68.01*	80.67*	86.01*	70.52*	65.43*
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	246*	286*	302*	309*	315*	N.A.
USSR.....	155.92*	186.13*	192.18*	197.64*	200.82*	206.00*
Eastern Europe.....	90.0*	100*	110*	111*	115*	N.A.
Bulgaria.....	3.15*	8.06*	9.24*	10.50*	11.16*	12.15
Czechoslovakia.....	30.23*	24.33*	27.60*	29.85*	33.53*	N.A.
East Germany <sup>b</sup> .....	22.25*	20.00*	21.54*	18.68*	18.02*	N.A.
Hungary.....	7.40*	9.40*	10.30*	10.10*	11.25*	8.45*
Poland.....	22.50*	31.10*	32.60*	32.30*	29.00*	32.28*
Romania.....	4.44*	7.16*	8.52*	9.69*	11.69*	13.58*
<b>Far East</b>						
North Korea.....	2.90*	3.95	N.A.	N.A.	N.A.	N.A.
North Vietnam.....	0.65*	0.50*	N.A.	N.A.	N.A.	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers, and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

<sup>b</sup> Data differ from those presented in the previous *Handbook*, which included watchmakers' lathes, and excluded certain types of gear-cutting machines and boring mills.

Table 118

Production of Metalforming Machine Tools<sup>a</sup> in the US and the USSR

Thousand Units

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	31.3*	44.0*	53.6*	54.6*	70.5* <sup>c</sup>	73.1* <sup>c</sup>
USSR.....	29.9*	34.6*	38.4*	41.1*	42.1*	42.7*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

<sup>b</sup> Unless otherwise indicated, data exclude manually operated bending and forming machines, spinning lathes, and riveting, canmaking, die-casting, wire-weaving, wiredrawing, knurling, and marking machines, which usually are included in the definition of metalforming machine tools by the US Department of Commerce.

<sup>c</sup> Including manually operated bending and forming machines for which separate data are not available.

SECRET



## ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 119

Production of Metallurgical Equipment<sup>a</sup> in Selected Communist Countries

	Thousand Metric Tons					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR.....	218.3	242.3	252.2	289.9	322.5	319.0
Czechoslovakia <sup>b</sup> .....	105.1	85.5	89.6	79.2	90.3	N.A.
East Germany <sup>c</sup> .....	15.9	19.8	25.7	22.8	15.6	N.A.
Poland.....	21.7	40.1	38.3	44.0	43.1	43.6
Romania.....	27.2	40.5	48.4	51.4	58.5	N.A.

<sup>a</sup> Unless otherwise indicated, data are for rolling mill equipment; mechanical equipment for coke, blast, and smelting furnaces; mixers; crushers; grinding mills for ore and coal; agglomeration installations; and special hoist-transport mechanisms for metallurgical shops. Equipment for nonferrous shops is believed to be included but probably amounts to only a small percentage of the total physical volume. Data for the United States are not available in terms of metric tons.

<sup>b</sup> Beginning in 1965, data include fewer components and spare parts.

<sup>c</sup> Rolling mill equipment only.

Table 120

Production of Electric Motors<sup>a</sup> in Selected Communist Countries

	Thousand Kilowatts					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR <sup>b</sup> .....	17,597	26,900	28,174	29,800	30,800	34,100
Bulgaria.....	919	2,864	3,154	3,461	3,663	3,920
Czechoslovakia.....	2,952	4,176	3,971	4,438	4,140	N.A.
Poland.....	2,387	4,533	4,512	4,940	5,649	6,984
Romania.....	559	1,255	1,507	1,679	1,989	N.A.

<sup>a</sup> Unless otherwise indicated, data are for alternating and direct current motors.

<sup>b</sup> Alternating current motors of 0.25 kilowatt and over.

## SECRET

Table 121

Production of Electric Generators <sup>a</sup> in the United States and Selected Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	12,899*	15,451*	18,633*	23,267*	27,432*	26,779*
COMMUNIST COUNTRIES						
USSR.....	7,915*	14,390*	13,447*	14,575*	14,529*	12,700*
Bulgaria.....	29*	13*	10*	85*	N.A.	N.A.
Czechoslovakia <sup>c</sup> .....	1,391*	888*	2,075*	1,709*	882*	N.A.
Hungary <sup>c</sup> .....	347*	416*	295*	296*	103*	N.A.
Romania.....	83*	295*	310*	416*	421*	N.A.
Communist China.....	875	865	770	325	N.A.	770

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

<sup>b</sup> Shipments of units 4,000 kilowatts and larger.

<sup>c</sup> Generators for steam and gas turbines only.

Table 122

Production of Turbines <sup>a</sup> in the United States and Selected Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	12,899*	15,451*	18,633*	23,267*	27,432*	26,779*
COMMUNIST COUNTRIES						
USSR <sup>c</sup> .....	9,200*	14,625*	15,172*	14,684*	15,800*	15,100*
Czechoslovakia.....	1,555*	1,994*	1,363*	1,290*	1,198*	N.A.
Poland <sup>d</sup> .....	186*	471*	647*	830*	1,100*	1,283*
Romania <sup>e</sup> .....	98*	27*	44*	95*	85*	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

<sup>b</sup> Shipments of units 4,000 kilowatts and larger. Data are available only for turbines produced as integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units but no data are available on this production.

<sup>c</sup> Including a small number of gas turbines.

<sup>d</sup> Steam turbines only.

<sup>e</sup> Steam turbines of more than 500 kilowatts only.

## SECRET

Table 123

Production of Digital Computers <sup>a</sup>

Units

	1960	1965	1966	1967	1968	1969
Free World Countries						
United States.....	1,000*	7,000*	14,000*	13,000*	15,000*	16,000*
France.....	N.A.*	200*	300*	500*	500*	600*
Japan.....	30*	320*	400*	700*	600*	800*
United Kingdom.....	70*	200*	250*	300*	350*	400*
Communist Countries						
USSR.....	160	200	600	700	800	1,000
Czechoslovakia.....	0	0	3	8	15	30
East Germany.....	15	0	5	15	25	50
Poland.....	15	20	20	25	30	50

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Estimates of this Office based on fragmentary market surveys and installations reports. No attempt has been made to standardize these units in terms of either value or computational capability. Total production of digital computers through 1969, including years not mentioned above, is as follows (in units): the United States, 90,000; France, 2,400; Japan, 3,500; the United Kingdom, 2,600; the USSR, 4,500; Czechoslovakia, 56; East Germany, 145; and Poland, 200.

Table 124

Total Housing Construction <sup>a</sup> in the United States and Selected Communist Countries

Thousand Square Meters

	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	144,000*	158,000*	126,000*	138,000*	158,000*	150,000*
Communist Countries						
USSR.....	109,600*	97,600*	102,100*	104,500*	102,100*	102,500*
Bulgaria.....	2,799*	2,744*	2,647*	2,622*	2,647*	2,753*
Czechoslovakia.....	4,994*	5,087*	5,269*	5,484*	5,993*	5,881*
East Germany <sup>c</sup> .....	4,089*	3,465*	3,317*	3,876*	3,861*	3,658*
Hungary.....	3,335*	3,303*	3,430*	3,894*	4,127*	3,813*
Poland.....	8,071*	8,354*	8,800*	9,471*	9,768*	7,368*
Romania.....	4,164* <sup>c</sup>	5,881*	5,832*	6,190*	5,823*	7,131*
Albania <sup>d</sup> .....	201*	156* <sup>e</sup>	181* <sup>e</sup>	178* <sup>e</sup>	N.A.*	N.A.*
Yugoslavia.....	3,664*	6,417*	6,984*	7,031*	7,334*	7,397*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

<sup>b</sup> Data are computed from the number of housing starts during the given years. Strictly speaking, therefore, the data on completions are more accurate for interyear comparisons than for any given year. Housing starts were converted to total floorspace by converting to square meters on the basis of varying sizes of structures.

<sup>c</sup> Living space only.

<sup>d</sup> Socialist sector only.

<sup>e</sup> Estimated.

## SECRET

Table 125

Production of Cement <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES.....	144,000*	188,000*	195,000*	196,000*	207,000*	214,000*					
United States.....	56,063*	65,078*	67,146*	64,449*	68,791*	67,367*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	68,400*	104,000*	114,000*	122,000*	126,000*	N.A.					
USSR.....	45,520*	72,388*	80,013*	84,809*	87,512*	89,800*					
Eastern Europe.....	22,900*	31,800*	34,000*	37,100*	39,000*	N.A.					
Bulgaria.....	1,586*	2,681*	2,851*	3,358*	3,512*	3,551*					
Czechoslovakia.....	5,051*	5,713*	6,130*	6,460*	6,493*	6,733*					
East Germany.....	5,032*	6,087*	6,450*	7,182*	7,551*	N.A.					
Hungary.....	1,571*	2,383*	2,601*	2,656*	2,801*	2,564*					
Poland.....	6,599*	9,573*	10,040*	11,138*	11,593*	11,830*					
Romania.....	3,054*	5,406*	5,886*	6,339*	7,026*	7,515*					
Far East											
Communist China.....	9,000	10,900	12,000	10,200	10,500	11,300					
North Korea.....	2,285*	2,400*	2,500*	2,500	2,500	2,500					
North Vietnam.....	408*	660*	665*	200	120	250					
Other											
Albania.....	73*	134*	139*	221*	303*	N.A.					
Cuba.....	813*	801	750	835	N.A.	N.A.					
Yugoslavia.....	2,398*	3,102*	3,232*	3,313*	3,765*	3,964*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
Belgium <sup>b</sup> ...	4,388*	5,905*	6,264*	Iceland.....	73*	114*	108* <sup>c</sup>	Portugal.....	1,202*	1,680*	2,036*
Canada.....	5,338*	7,665*	7,464*	Italy.....	16,014*	20,695*	31,236*	Turkey.....	2,038*	3,238*	5,796*
Denmark...	1,442*	2,000*	2,280* <sup>c</sup>	Luxembourg..	210*	222*	183* <sup>c</sup>	United Kingdom.	13,501*	17,243*	17,532*
France.....	14,349*	22,423*	27,696*	Netherlands..	1,798*	2,973*	3,300*	West Germany...	24,905*	34,133* <sup>d</sup>	35,004* <sup>d</sup>
Greece.....	1,649*	3,193*	4,800*	Norway.....	1,151*	1,602*	2,484*				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969					
India.....	7,845*	10,578*	13,620*	Japan.....	22,537*	32,689*	51,387*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> All types of hydraulic cements used in construction.<sup>b</sup> Excluding natural cement.<sup>c</sup> Data are for the previous year.<sup>d</sup> Including data for West Berlin, for which separate data are not available.

AGRICULTURE

**SECRET**

Figure 19

**SELECTED AGRICULTURAL INPUTS AND OUTPUT IN THE US AND THE USSR**

	INVESTMENT					
	1960	1965	1966	1967	1968	1969†
UNITED STATES (billion 1955 US \$)	2.8	4.0	4.3	4.3	4.3	3.9
Structures	0.6	0.5	0.5	0.6	0.5	0.5
Producers' durable equipment	2.2	3.5	3.8	3.7	3.8	3.4
USSR billion new rubles 1955 prices ††	4.9	8.6	9.4	10.0	11.2	11.8
Structures †††	3.0	5.0	5.7	6.1	6.9	7.1
Producers' durable equipment †††	1.9	3.6	3.7	3.9	4.3	4.7

† Preliminary.  
 †† Because of the problems inherent in converting rubles to dollars,  
 the investment data for the USSR have not been converted. Inas-  
 much as the purpose of the data is to show general magnitude and  
 growth, a precise conversion is not required.  
 ††† Estimated.

	INDEXES OF AGRICULTURAL OUTPUT 1960=100					
	1960	1965	1966	1967	1968	1969
UNITED STATES	100	108	107	111	113	114
USSR	100	118	128	129	136	130

Thousand metric tons	MINERAL FERTILIZER (nutrient content)					
	1960	1965	1966	1967	1968	1969
UNITED STATES	7,410	11,933	13,054	13,914	14,249	14,133
USSR	3,281	7,389	8,438	9,406	10,221	10,800

Million metric tons	PRODUCTION OF GRAIN					
	1960	1965	1966	1967	1968	1969
UNITED STATES	181	183	183	206	201	196
USSR	93	100	140	122	135	128

Thousand units	TRACTORS IN USE (end of year)					
	1960	1965	1966	1967	1968	1969‡
UNITED STATES (excluding steam and garden)	4,695	4,800	4,815	4,820	4,810	4,800
USSR	1,122	1,613	1,660	1,739	1,834	1,905

‡ Estimated.

Million persons	FARM LABOR FORCE					
	1960	1965	1966	1967	1968	1969
UNITED STATES	7.1	5.6	5.2	4.9	4.7	4.6
USSR	44.6	43.1	41.7	42.4	40.8	40.2

**INPUTS****OUTPUT****SECRET**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

## SECRET

Table 126

Production of Grain <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	290*	310*	315*	342*	341*	339*
United States <sup>c</sup>	181*	183*	183*	206*	201*	196*
COMMUNIST COUNTRIES						
USSR and Eastern Europe	141*	153*	196*	180*	194*	189
USSR <sup>d</sup>	93.0*	100*	140*	122*	135*	128*
Eastern Europe	48.4*	52.8*	55.7*	57.8*	59.2*	61.2
Bulgaria <sup>e</sup>	4.83*	5.22*	6.75*	6.48*	5.26*	5.98
Czechoslovakia	5.74*	5.24*	5.87*	6.53*	7.36*	7.89
East Germany <sup>e</sup>	6.38*	6.73*	5.91*	7.35*	7.83*	6.89
Hungary	6.86*	7.29*	7.36*	7.52*	7.84*	9.05
Poland <sup>e f</sup>	14.8*	16.3*	15.9*	16.4*	18.2*	18.6
Romania	9.82*	12.0*	13.9*	13.5*	12.8*	12.8
Far East						
Communist China <sup>g</sup>	160-165	190-195	190-195	205-210	190-195	195-200
North Korea <sup>h</sup>	3.80	4.50	4.00	4.70	5.20	N.A.
North Vietnam <sup>i</sup>	4.43*	4.79*	N.A.	N.A.	N.A.	N.A.
Other						
Albania <sup>j</sup>	0.22*	0.33*	0.38	0.50	0.48	N.A.
Cuba <sup>k</sup>	0.41	0.07	0.09	0.10	0.10	0.20
Yugoslavia	10.9*	10.6*	13.9*	13.2*	12.1*	13.6

Other NATO Countries			Other NATO Countries			Other NATO Countries					
1960	1965	1969	1960	1965	1969	1960	1965	1969			
Belgium	1.79*	1.78*	1.67*	Italy	12.0*	14.5*	15.7*	Portugal	1.36*	1.59*	1.40*
Canada	25.4*	30.7*	34.9*	Luxembourg	0.12*	0.11*	0.15*	Turkey	12.2*	12.6*	14.4*
Denmark	4.25*	5.73*	6.58*	Netherlands	1.73*	1.68*	1.60*	United Kingdom	9.47*	13.6*	13.5*
France	22.8*	28.6*	32.2*	Norway	0.60*	0.61*	0.58*	West Germany	14.2*	12.7*	17.4*
Greece	2.44*	3.01*	2.92*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for barley, corn, oats, rice, rye, and wheat where they are produced.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including sorghum for grain.<sup>d</sup> Including miscellaneous grains and pulses.<sup>e</sup> Including miscellaneous grains.<sup>f</sup> Excluding corn.<sup>g</sup> Including kaoliang, broad peas, and field peas. Tubers are included on a grain equivalent basis of four metric tons of tubers to one metric ton of grain.<sup>h</sup> Including soybeans and tubers on a straight weight basis.<sup>i</sup> Corn and rice only.<sup>j</sup> Including buckwheat.<sup>k</sup> Data reflect only rice production and government collections of corn; total production is considerably higher.



SECRET

Table 127

## Production of Breadgrain (Wheat and Rye)

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>a</sup> .....	95.2*	105*	105*	110*	114*	110*
United States.....	37.8*	36.6*	36.4*	42.0*	43.5*	40.5*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	83.3*	91.3*	120*	105*	118*	102
USSR.....	59.0*	62.0*	92.0*	74.0*	86.0*	71.0*
Eastern Europe.....	24.3*	29.3*	28.3*	31.0*	32.0*	31.3
Bulgaria.....	2.46*	2.97*	3.25*	3.29*	2.57*	2.54*
Czechoslovakia.....	2.40*	2.81*	3.04*	3.20*	3.92*	3.95*
East Germany.....	3.58*	3.71*	3.16*	4.00*	4.31*	3.79
Hungary <sup>b</sup> .....	2.12*	2.63*	2.43*	2.94*	3.07*	3.32*
Poland.....	10.2*	11.7*	11.3*	11.6*	13.2*	13.3*
Romania.....	3.55*	5.47*	5.16*	5.89*	4.90*	4.40*
Other						
Albania.....	0.07*	0.10	0.15	0.15	0.17	N.A.
Yugoslavia.....	3.80*	3.62*	4.78*	4.99*	4.50*	5.01*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium.....	0.96*	0.95*	0.83*	Italy.....	6.90*	9.86*	9.61*	Portugal.....	0.63*	0.82*	0.55*
Canada.....	14.3*	18.1*	19.0*	Luxembourg.....	0.05*	0.06*	0.05*	Turkey.....	7.67*	8.13*	9.07*
Denmark.....	0.77*	0.83*	0.56*	Netherlands.....	1.05*	0.94*	0.88*	United Kingdom.....	3.07*	4.19*	3.36*
France.....	11.4*	15.1*	14.9*	Norway.....	0.03*	0.01*	0.01*	West Germany.....	8.74*	7.17*	8.89*
Greece.....	1.72*	2.01*	1.76*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Excluding fodder wheat.

SECRET

## SECRET

Table 128

## Production of Coarse Grain (Barley, Corn, and Oats)

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	191*	201*	206*	226*	222*	223*					
United States <sup>b</sup> .....	141*	143*	143*	160*	153*	151*					
COMMUNIST COUNTRIES <sup>c</sup>											
USSR and Eastern Europe.....	58.0*	60.4*	74.2*	73.7*	75.2*	85.7					
USSR <sup>d</sup> .....	34.0*	37.0*	47.0*	47.0*	48.0*	56.0*					
Eastern Europe.....	24.0*	23.4*	27.2*	26.7*	27.2*	29.7					
Bulgaria.....	2.34*	2.22*	3.45*	3.13*	2.65*	3.39					
Czechoslovakia <sup>e</sup> .....	3.34*	2.42*	2.83*	3.33*	3.44*	3.94					
East Germany.....	2.80*	3.02*	2.75*	3.35*	3.52*	3.10					
Hungary <sup>e</sup> .....	4.69*	4.64*	4.90*	4.54*	4.74*	5.68					
Poland <sup>f</sup> .....	4.58*	4.58*	4.62*	4.81*	5.01*	5.21					
Romania <sup>e</sup> .....	6.22*	6.49*	8.67*	7.55*	7.80*	8.34					
Far East											
North Vietnam <sup>g</sup> .....	0.21*	0.28*	N.A.	N.A.	N.A.	N.A.					
Other											
Albania.....	0.14*	0.22	0.22	0.34	0.30	N.A.					
Cuba <sup>g h</sup> .....	0.10	0.02	0.02	0.01	0.01	0.01					
Yugoslavia <sup>e</sup> .....	7.06*	6.94*	9.08*	8.26*	7.56*	8.58					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium <sup>f</sup> .....	0.83*	0.82*	0.84*	Italy.....	4.48*	4.13*	5.28*	Portugal.....	0.58*	0.63*	0.67*
Canada.....	11.1*	12.6*	15.8*	Luxembourg <sup>f</sup> .....	0.06*	0.05*	0.10*	Turkey.....	4.34*	4.35*	5.18*
Denmark <sup>f</sup> .....	3.48*	4.90*	6.02*	Netherlands <sup>f</sup> .....	0.68*	0.74*	0.71*	United Kingdom <sup>f</sup> ...	6.40*	9.42*	10.1*
France.....	11.3*	13.3*	17.2*	Norway <sup>f</sup> .....	0.57*	0.60*	0.57*	West Germany.....	5.44* <sup>f</sup>	5.51*	8.51*
Greece.....	0.66*	0.90*	1.05*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Including sorghum for grain.<sup>c</sup> Unless otherwise indicated, data include miscellaneous grains.<sup>d</sup> Including pulses.<sup>e</sup> Excluding miscellaneous grains.<sup>f</sup> Excluding corn.<sup>g</sup> Corn only.<sup>h</sup> Data reflect government collections only; total production is considerably higher.

## SECRET

Table 129

Production of Rice <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	3,540*	4,480*	5,020*	5,340*	5,940*	5,530*					
United States.....	2,476*	3,460*	3,856*	4,054*	4,777*	4,090*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	313*	681*	845*	1,070*	1,200*	1,280					
USSR.....	187*	580*	710*	900*	1,063*	1,100*					
Eastern Europe.....	126*	101*	135*	168*	140*	177					
Bulgaria.....	32*	34*	48*	57*	39*	53					
Hungary.....	45*	21*	31*	43*	41*	46					
Romania.....	49*	46*	56*	68*	60*	78					
Far East											
North Korea.....	1,513	N.A.	N.A.	N.A.	2,000	N.A.					
North Vietnam.....	4,212*	4,512*	4,200	4,000	3,800	4,000					
Other											
Albania.....	5*	10*	10*	11*	14	N.A.					
Cuba.....	306*	50	68	94	94	190					
Yugoslavia.....	22*	25*	23*	20*	18*	20*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
France.....	103*	98*	105*	Italy.....	622*	509*	850*	Turkey.....	138*	165*	203*
Greece.....	54*	105*	108* <sup>c</sup>	Portugal.....	151*	139*	177*				
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Burma.....	7,575*	8,055*	8,350*	Japan <sup>d</sup> .....	16,074*	15,511*	17,568*	South Vietnam <sup>e</sup> ....	5,092*	5,185*	4,366*
India <sup>d</sup> .....	51,348*	46,029*	63,000*	Pakistan <sup>d</sup> ....	16,068*	17,742*	21,267*	Thailand.....	7,788*	9,199*	14,000*
Indonesia...	12,849*	13,700*	16,615* <sup>c</sup>								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Rough, or paddy, rice. Unless otherwise indicated, crop production statistics for the Northern Hemisphere relate generally to the harvests of the spring, summer, and autumn of the year stated, but for the more southerly regions of this hemisphere they relate to harvests continuing into the early part of the following year. For the Southern Hemisphere these data relate to crops generally harvested in the latter part of the year stated and the first half of the following year.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Data are for the previous year.

<sup>d</sup> Estimated from planted acreage.

<sup>e</sup> Data are as of 31 May of the stated year.

## SECRET

Table 130

Production of Potatoes <sup>a</sup>

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	77.4*	65.3*	66.6*	71.1*	67.7*	62.1*					
United States .....	11.68*	13.15*	13.92*	13.85*	13.34*	13.94*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe .....	148*	152*	159*	169*	178*	155*					
USSR .....	84.37*	88.68*	87.85*	95.46*	102.18*	91.70*					
Eastern Europe .....	63.9*	63.8*	71.0*	73.7*	75.4*	63.2*					
Bulgaria .....	0.48*	0.28*	0.42*	0.38*	0.37*	0.33*					
Czechoslovakia .....	5.09*	3.68*	5.85*	6.04*	6.53*	5.02*					
East Germany .....	14.82*	12.86*	12.82*	14.07*	12.64*	9.14*					
Hungary .....	2.66*	1.48*	2.43*	1.51*	1.34*	1.58*					
Poland .....	37.86*	43.26*	46.14*	48.62*	50.82*	44.85*					
Romania .....	3.01*	2.20*	3.35*	3.10*	3.71*	2.23*					
Far East											
North Vietnam .....	0.92* <sup>c</sup>	1.18* <sup>d</sup>	N.A.	N.A.	N.A.	N.A.					
Other											
Albania .....	0.02*	0.02*	0.11*	0.12*	0.16	N.A.					
Cuba <sup>e</sup> .....	0.09*	0.08	0.10	0.10	0.12	N.A.					
Yugoslavia .....	3.27*	2.38*	3.23*	2.80*	2.89*	3.14*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium <sup>f</sup> .....	2.05*	1.42*	1.53*	Greece .....	0.42*	0.59*	0.67*	Portugal .....	1.04*	0.80*	1.08*
Canada .....	2.06*	2.11*	2.28*	Italy .....	3.82*	3.55*	3.84*	Turkey .....	1.40*	1.68*	1.80*
Denmark .....	1.96*	0.94*	0.59*	Netherlands .....	3.97*	3.24*	4.61*	United Kingdom .....	7.27*	7.58*	6.16*
France .....	15.89*	11.07*	8.81*	Norway .....	1.25*	1.13*	0.77*	West Germany .....	24.54*	18.09*	15.98*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for Irish potatoes.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Sweet potatoes and manioc.

<sup>d</sup> Sweet potatoes only.

<sup>e</sup> Data reflect government collections only; total production is considerably higher.

<sup>f</sup> Including data for Luxembourg.

## SECRET

Table 131

Production of Meat <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
<b>NATO COUNTRIES <sup>b</sup></b> .....	<b>24,700*</b>	<b>28,100*</b>	<b>28,900*</b>	<b>29,600*</b>	<b>30,600*</b>	<b>30,200*</b>
United States.....	12,795*	14,304*	14,797*	15,530*	16,000*	16,030*
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	<b>10,800</b>	<b>12,800</b>	<b>13,500</b>	<b>14,400</b>	<b>14,700</b>	<b>14,300</b>
USSR <sup>c</sup> .....	7,380*	8,800*	9,400*	10,100*	10,200*	9,800*
Eastern Europe.....	<b>3,380</b>	<b>4,010</b>	<b>4,120</b>	<b>4,270</b>	<b>4,530</b>	<b>4,520</b>
Bulgaria.....	174	278	293	296	320	291
Czechoslovakia.....	483	599	580	605	660	625
East Germany.....	730	861	906	946	982	998
Hungary <sup>d</sup> .....	430*	476*	469	472	532	523
Poland <sup>e</sup> .....	1,148	1,334	1,368	1,409	1,440	1,500
Romania.....	414	462	500	542	592	587
Other						
Albania.....	14	14	15	12	N.A.	N.A.
Yugoslavia <sup>d</sup> .....	522*	639*	558*	636*	655*	600*

Other NATO Countries <sup>f</sup>

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium <sup>g</sup> .....	447*	474*	626*	Greece <sup>h</sup> .....	115*	181*	196*	Portugal.....	156*	167*	175* <sup>i</sup>
Canada.....	1,114*	1,327*	1,373*	Italy.....	1,104*	1,085*	1,423*	Turkey <sup>h</sup> .....	412*	440*	485*
Denmark.....	766*	896*	864*	Netherlands...	704*	794*	885*	United Kingdom <sup>h</sup> ...	1,718*	2,019*	2,000*
France.....	2,613*	3,244*	2,903*	Norway.....	122*	132*	142*	West Germany.....	2,617*	3,074*	3,076*

## Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Argentina.....	2,263*	2,445*	3,197*	Brazil.....	1,872*	2,039*	2,209*	Mexico <sup>j</sup> .....	655*	812*	886*
Australia.....	1,359*	1,743*	1,770*	Japan <sup>j</sup> .....	322*	640*	733*	New Zealand.....	748*	797*	977*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, poultry, edible offal, and lard.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Including poultry, edible offal, and slaughter fats.

<sup>d</sup> Including horsemeat and live exports.

<sup>e</sup> Including horsemeat and edible offal.

<sup>f</sup> Unless otherwise indicated, data include horsemeat.

<sup>g</sup> Including data for Luxembourg.

<sup>h</sup> Excluding horsemeat.

<sup>i</sup> Data are for the previous year.

<sup>j</sup> Including horsemeat.

## SECRET

Table 132

Production of Milk <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup>	149,000*	154,000*	155,000*	157,000*	158,000*	157,000*					
United States	55,702*	56,324*	54,382*	53,873*	53,198*	52,707*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	82,600*	96,900*	102,000*	107,000*	110,000*	109,000*					
USSR	55,500*	68,200*	71,400*	75,100*	77,400*	76,700*					
Eastern Europe	27,100*	28,700*	30,700*	31,900*	32,300*	32,600*					
Bulgaria	744*	1,000*	1,098*	1,210*	1,198*	1,204*					
Czechoslovakia <sup>c</sup>	3,830*	3,924*	4,169*	4,335*	4,550*	4,759*					
East Germany <sup>d</sup>	5,730*	6,371*	6,728*	6,904*	7,227*	7,270*					
Hungary <sup>c</sup>	1,957*	1,762*	1,849*	1,976*	1,931*	1,926*					
Poland	12,488*	13,330*	14,221*	14,480*	14,628*	14,672*					
Romania	2,356*	2,302*	2,674*	2,971*	2,745*	2,755*					
Other											
Albania	44	45	44	N.A.	N.A.	N.A.					
Cuba	742*	620*	690	680*	650*	N.A.					
Yugoslavia	2,280*	2,303*	2,510*	2,605*	2,710*	2,750*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
Belgium	3,891*	3,941*	4,082*	Greece	392*	491*	599*	Norway	1,613*	1,625*	1,769*
Canada	8,385*	8,328*	8,437*	Italy	9,648*	9,184*	9,117*	Turkey	2,241*	2,446*	2,700*
Denmark	5,399*	5,367*	5,021*	Luxembourg	185*	188*	204*	United Kingdom	12,670*	11,386* <sup>e</sup>	11,567* <sup>e</sup>
France	22,652*	26,771*	31,298*	Netherlands	6,838*	7,142*	7,802*	West Germany	19,250*	21,253*	22,090*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Whole milk from cows.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including milk sucked by young animals.<sup>d</sup> In terms of 3.5% butter-fat content.<sup>e</sup> Total sales off-farm.

SECRET

119

## SECRET

Table 133

Production of Sugar <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	12,000*	13,200*	13,100*	13,900*	14,200*	N.A.*
United States <sup>c</sup>	3,637*	4,871*	4,789*	4,802*	5,105*	4,971*
COMMUNIST COUNTRIES						
USSR and Eastern Europe	10,600*	15,300*	14,500*	14,900*	15,400*	N.A.
USSR <sup>d</sup>	6,363*	11,037*	9,740*	9,939*	10,767*	10,300*
Eastern Europe	4,210*	4,240*	4,740*	4,930*	4,620*	N.A.
Bulgaria <sup>e</sup>	186*	342*	385*	432*	313*	343*
Czechoslovakia <sup>e</sup>	958*	874*	1,070*	1,039*	990*	N.A.
East Germany <sup>e</sup>	739*	619*	671*	681*	660*	N.A.
Hungary <sup>e</sup>	414*	465*	473*	469*	433*	453*
Poland	1,484*	1,505*	1,663*	1,823*	1,810*	1,686*
Romania	425*	437*	480*	484*	417*	466*
Far East						
Communist China <sup>e</sup>	920	1,500	1,500	1,700	1,600	1,600
Other						
Albania	15*	16*	17*	16*	17*	N.A.
Cuba <sup>f</sup> <sup>g</sup>	5,862*	6,220*	4,530*	6,340*	5,280*	4,540*
Yugoslavia	289*	369*	512*	508*	433*	514*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium <sup>b</sup>	507*	431*	575*	Greece	0*	103*	96*	Turkey	699*	567*	700*
Canada	152*	137*	128*	Italy	998*	1,241*	1,290*	United Kingdom	860*	973*	937*
Denmark	322*	260*	341*	Netherlands	669*	595*	714*	West Germany	1,877*	1,601*	1,974*
France	2,267*	2,377*	2,301*	Portugal <sup>c</sup>	14*	17*	14*				

Other Free World Countries <sup>j</sup>

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Australia	1,441*	2,073*	2,800*	Dominican Republic	1,112*	583*	666*	Mexico	1,530*	2,107*	2,336*
Brazil	3,319*	4,614*	4,382*	India	2,814*	3,493*	2,375*	Philippines	1,398*	1,659*	1,650*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92% of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Including cane sugar.<sup>d</sup> Refined, including imported raw sugar.<sup>e</sup> Including raw sugar imported for refining.<sup>f</sup> Raw cane sugar of 96° polarization.<sup>g</sup> Crop years ending 30 June of the stated year.<sup>h</sup> Including data for Luxembourg.<sup>i</sup> Data are for the Azores and Madeira only.<sup>j</sup> Cane sugar only.

## SECRET

Table 134

Fish Catch <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES.....	10,100*	12,300*	12,900*	13,000*	12,800*	N.A.*					
United States.....	2,814.7*	2,724.3*	2,542.9*	2,430.5*	2,442.0*	N.A.*					
COMMUNIST COUNTRIES <sup>b</sup>											
USSR and Eastern Europe.....	3,880*	6,380*	6,740*	7,280*	7,530*	N.A.					
USSR.....	3,541.2*	5,774.0*	6,093.0*	6,538.0*	6,700.0*	7,300.0*					
Eastern Europe.....	339*	607*	644*	738*	828*	N.A.					
Bulgaria <sup>c</sup> .....	7.9*	17.3*	23.6*	39.3*	54.8*	77.2*					
Czechoslovakia.....	8.8*	11.0*	11.5*	11.8*	13.8*	N.A.					
East Germany.....	114.4*	229.4*	222.1*	290.0*	303.0*	270.0*					
Hungary.....	14.9*	24.8*	26.7*	28.3*	29.9*	N.A.					
Poland <sup>d</sup> .....	168.0*	280.1*	316.5*	321.4*	385.5*	397.2*					
Romania.....	25.0*	44.3*	43.7*	46.7*	40.5*	N.A.					
Far East											
North Korea.....	465.0*	785.0*	700.0	N.A.	N.A.	N.A.					
Other											
Albania.....	2.6*	4.3*	4.9*	5.6*	N.A.	N.A.					
Cuba.....	31.2*	40.3*	43.2*	62.9*	65.7*	85.0*					
Yugoslavia <sup>e</sup> .....	30.9*	41.9*	45.5*	48.0*	45.0*	N.A.					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium...	63.7*	59.8*	68.4*	Italy....	249.5*	353.8* <sup>g</sup>	363.4* <sup>g</sup>	Turkey <sup>e</sup> ....	89.4*	135.7*	122.7* <sup>f</sup>
Canada...	934.5*	1,262.3*	1,490.3*	Nether-				United King-			
Denmark...	581.2*	840.8*	1,466.8*	lands <sup>b</sup> ..	314.7*	377.0*	323.3*	dom.....	923.8*	1,047.3*	1,040.3*
France....	734.2*	767.6*	793.6*	Norway..	1,543.0*	2,307.3*	2,804.1*	West Ger-			
Greece <sup>e</sup> ...	87.0*	82.4* <sup>d</sup>	85.1* <sup>d</sup> <sup>f</sup>	Portugal <sup>1</sup>	475.1*	553.6*	559.8* <sup>f</sup>	many.....	674.0*	632.7*	682.3*
Iceland..	592.8*	1,199.0*	660.7*								
Other Free World Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
India <sup>e</sup> ....	1,161.4*	1,331.3*	1,526.0*	Peru <sup>e</sup> ...	3,569.1*	7,461.9*	10,520.3*	Spain.....	969.9*	1,341.5*	1,503.1*
Japan....	6,192.7*	6,907.7*	8,669.8*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.<sup>b</sup> Including aquatic mammals.<sup>c</sup> Commercial catch only.<sup>d</sup> Salt water catch only.<sup>e</sup> Including landed weight.<sup>f</sup> Data are for the previous year.<sup>g</sup> Including official estimates for catches not covered by the standard collection system.<sup>h</sup> Including quantities landed by foreign fishing craft in Netherlands ports.<sup>1</sup> Including data for the Azores and Madeira.



## SECRET

Table 135  
Number of Cattle <sup>a</sup>

Million Head

	1960	1965	1966	1967	1968	1969	1970				
<b>NATO COUNTRIES <sup>b</sup></b>	<b>185*</b>	<b>202*</b>	<b>204*</b>	<b>205*</b>	<b>206*</b>	<b>208*</b>	<b>211*</b>				
United States	96.42*	109.00*	108.86*	108.64*	109.15*	109.88*	112.33*				
<b>COMMUNIST COUNTRIES</b>											
USSR and Eastern Europe	99.3*	114*	120*	125*	125*	124*	123*				
USSR	74.16*	87.17*	93.44*	97.11*	97.17*	95.74*	95.00*				
Eastern Europe	25.2*	26.6*	26.9*	27.9*	28.3*	28.4*	27.9*				
Bulgaria	1.28*	1.47*	1.45*	1.38*	1.36*	1.30*	1.25*				
Czechoslovakia	4.30*	4.44*	4.39*	4.46*	4.44*	4.25*	4.22*				
East Germany <sup>c</sup>	4.46* <sup>d</sup>	4.68*	4.76*	4.92*	5.02*	5.11*	5.17*				
Hungary	1.97* <sup>e</sup>	1.94*	1.92*	1.97*	2.05*	2.02*	1.92*				
Poland	8.70* <sup>f</sup>	9.35*	9.48*	10.00*	10.12*	10.53*	10.29*				
Romania	4.45*	4.76*	4.94*	5.20*	5.33*	5.14*	5.03*				
Far East											
North Korea	0.67*	0.69	N.A.	N.A.	N.A.	0.80	N.A.				
North Vietnam <sup>g</sup>	2.40*	2.38*	2.44*	2.47*	2.50*	N.A.	N.A.				
Other											
Albania <sup>h</sup>	0.43*	0.43*	0.43*	0.42	N.A.	N.A.	N.A.				
Cuba	5.76*	6.61	6.70	6.77	7.10*	N.A.	N.A.				
Yugoslavia	5.30*	5.22*	5.58*	5.71*	5.69*	5.26*	5.01*				
Other NATO Countries											
	1960	1965	1970	1960	1965	1970	1960	1965	1970		
Belgium <sup>b</sup>	2.69*	2.69*	2.94*	Greece <sup>g</sup>	1.12*	1.12*	1.08*	Portugal	1.11*	1.11*	1.07* <sup>i</sup>
Canada <sup>l</sup>	10.49*	11.90*	11.83*	Italy <sup>g</sup>	9.40*	9.23*	10.28*	Turkey <sup>g</sup>	13.48*	14.41*	15.26*
Denmark <sup>j</sup>	3.31*	3.18*	2.90*	Netherlands	3.16*	3.32*	3.92*	United Kingdom	11.48*	11.69*	12.31*
France <sup>k</sup>	18.74*	20.24*	21.89*	Norway	1.08*	1.05*	0.99*	West Germany	12.48*	13.05*	14.29*
Other Free World Countries											
	1960	1965	1970	1960	1965	1970	1960	1965	1970		
Argentina <sup>l</sup>	43.40*	45.00*	52.50*	Brazil	72.83*	84.10*	91.12*	World total <sup>n</sup>	1,007.02*	1,099.70*	1,176.90*
Australia <sup>m</sup>	16.50*	18.78*	21.50*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Unless otherwise indicated, data are as of 30 November of the previous year.<sup>d</sup> As of 3 December of the previous year.<sup>e</sup> As of March of the stated year.<sup>f</sup> As of 30 June of the stated year.<sup>g</sup> Including buffaloes.<sup>h</sup> Including data for Luxembourg.<sup>i</sup> Excluding data for Newfoundland.<sup>j</sup> Including data for the Faeroe Islands and Greenland.<sup>k</sup> As of 31 October of the previous year.<sup>l</sup> Data are for the previous year.<sup>m</sup> As of 31 March of the previous year.<sup>n</sup> Estimated, including countries for which data are not available.

## SECRET

Table 136

Number of Hogs <sup>a</sup>

Million Head

	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES <sup>b</sup> . . . . .	<b>113*</b>	<b>113*</b>	<b>109*</b>	<b>115*</b>	<b>126*</b>	<b>128*</b>	<b>130*</b>
United States . . . . .	59.03*	50.79*	47.41*	53.25*	58.78*	60.63*	56.74*
COMMUNIST COUNTRIES							
USSR and Eastern Europe . . . . .	<b>91.9*</b>	<b>97.6*</b>	<b>103*</b>	<b>101*</b>	<b>94.8*</b>	<b>92.2*</b>	<b>98.5*</b>
USSR . . . . .	53.37*	52.84*	59.58*	58.03*	50.87*	49.05*	56.10*
Eastern Europe . . . . .	<b>38.5*</b>	<b>44.8*</b>	<b>43.2*</b>	<b>43.1*</b>	<b>43.9*</b>	<b>43.1*</b>	<b>42.4*</b>
Bulgaria . . . . .	2.27*	2.61*	2.41*	2.28*	2.31*	2.14*	1.97*
Czechoslovakia . . . . .	5.69*	6.14*	5.54*	5.30*	5.60*	5.14*	5.04*
East Germany <sup>c</sup> . . . . .	8.28* <sup>d</sup>	8.76*	8.88*	9.31*	9.25*	9.52*	9.24*
Hungary . . . . .	5.36* <sup>e</sup>	7.04*	6.59*	6.12*	6.65*	5.81*	5.40*
Poland . . . . .	12.62* <sup>f</sup>	14.20*	14.37*	14.70*	14.38*	14.68*	14.76*
Romania . . . . .	4.30*	6.03*	5.36*	5.40*	5.75*	5.85*	5.97*
Far East							
North Korea . . . . .	1.12*	1.21	N.A.	N.A.	N.A.	2.20	N.A.
North Vietnam . . . . .	3.63*	4.48*	4.84*	5.10*	5.20*	N.A.	N.A.
Other							
Albania . . . . .	0.12*	0.15*	0.14*	0.14	N.A.	N.A.	N.A.
Cuba . . . . .	1.72*	1.75	1.81	N.A.	N.A.	N.A.	N.A.
Yugoslavia . . . . .	6.21*	6.98*	5.12*	5.52*	5.86*	5.09*	4.85*

## Other NATO Countries

	1960	1965	1970		1960	1965	1970		1960	1965	1970
Belgium <sup>g</sup> . . . . .	1.73*	1.85*	3.18*	Greece . . . . .	0.64*	0.62*	0.62*	Portugal . . . . .	1.80*	1.56*	1.38* <sup>k</sup>
Canada <sup>h</sup> . . . . .	6.42*	5.58*	6.46*	Italy . . . . .	4.15*	5.41*	9.22*	Turkey . . . . .	0.01*	0.02*	0.02*
Denmark <sup>i</sup> . . . . .	6.20*	8.20*	8.35*	Netherlands . . . . .	2.94*	3.52*	5.30*	United Kingdom . . . . .	6.01*	7.94*	8.14*
France <sup>j</sup> . . . . .	8.36*	9.04*	10.62*	Norway . . . . .	0.46*	0.52*	0.57*	West Germany . . . . .	14.88*	18.15*	19.32*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Unless otherwise indicated, data are as of 30 November of the previous year.<sup>d</sup> As of 3 December of the previous year.<sup>e</sup> As of March of the stated year.<sup>f</sup> As of 30 June of the stated year.<sup>g</sup> Including data for Luxembourg.<sup>h</sup> Excluding data for Newfoundland.<sup>i</sup> Including data for the Faeroe Islands.<sup>j</sup> As of 31 October of the previous year.<sup>k</sup> Data are for the previous year.

## SECRET

Table 137

## Production of Ginned Cotton

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	3,340*	3,660*	2,560*	2,110*	2,890*	2,690*					
United States.....	3,107.3*	3,259.9*	2,084.7*	1,623.8*	2,383.6*	2,194.6*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	1,480*	1,940*	2,060*	2,050*	2,030*	1,960*					
USSR.....	1,458.0*	1,925.0*	2,034.0*	2,030.0*	2,022.0*	1,941.0*					
Eastern Europe.....	21.1*	12.6*	22.8*	18.5*	10.3*	14.5*					
Bulgaria.....	21.1*	12.6*	22.8*	18.5*	10.3*	14.5*					
Far East											
Communist China.....	1,200.0	1,000.0	1,200.0	1,300.0	1,300.0	1,400.0					
Other											
Albania.....	5.4*	8.2*	8.2*	7.3*	N.A.	N.A.					
Cuba.....	7.2*	0.8	0.5	1.0	N.A.	N.A.					
Yugoslavia.....	2.4*	1.7*	2.0*	3.4*	3.1*	2.7*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Greece.....	62.7*	74.0*	104.5*	Italy.....	5.7*	4.4*	1.7*	Turkey.....	168.7*	326.6*	386.5*
Other Free World Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Argentina.....	123.9*	104.5*	103.4*	UAR.....	478.1*	518.2*	511.6*	Mexico.....	457.2*	571.5*	370.1*
Brazil.....	424.6*	544.3*	762.0*	India.....	1,008.0*	1,001.5*	1,110.4*	Pakistan.....	304.4*	416.9*	533.4*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries." Data are for the crop year beginning 1 August of the stated year.

## SECRET

Table 138

Production of Wool <sup>a</sup>

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>	327*	288*	285*	284*	277*	271*
United States	146.3*	109.4*	107.0*	103.0*	96.4*	90.7*
COMMUNIST COUNTRIES						
USSR and Eastern Europe	427*	436*	451*	481*	505*	478
USSR	356.8*	356.9*	371.0*	395.0*	415.0*	390.0*
Eastern Europe	70.3*	78.8*	79.8*	85.8*	90.3*	87.8
Bulgaria	21.0*	25.8*	25.5*	27.2*	28.5*	28.0
Czechoslovakia	2.5*	2.0*	2.2*	2.7*	3.2*	3.2
East Germany	7.7*	8.0*	8.1*	8.0*	7.9*	7.9
Hungary	8.3*	10.1*	9.9*	10.1*	10.9*	10.9
Poland	9.0*	7.5*	8.0*	8.6*	8.8*	8.8*
Romania	21.8*	25.4*	26.1*	29.2*	31.0*	29.0
Other						
Albania	2.2	2.3	2.2	2.2	N.A.	N.A.
Yugoslavia	13.6*	12.6*	13.5*	13.8*	14.0*	13.0*

Other NATO Countries											
	1960	1965	1969		1960	1965	1969		1960	1965	1969
Canada	3.8*	2.6*	1.4* <sup>c</sup>	Italy	13.4*	15.5*	13.5*	Turkey	47.4*	43.0*	48.0*
France	29.5*	27.7*	30.9*	Norway	3.6*	5.0*	5.0*	United Kingdom	55.0*	58.6*	56.2*
Greece	11.4*	11.8*	7.7*	Portugal	11.0*	11.8*	13.9*	West Germany	5.2*	3.1*	3.5*

Other Free World Countries											
	1960	1965	1969		1960	1965	1969		1960	1965	1969
Argentina	221.1*	211.0*	202.0*	India	34.1*	35.0*	36.0*	South Africa <sup>d</sup>	135.7*	164.4*	150.8*
Australia	740.3*	754.2*	906.1*	New Zealand	266.7*	315.2*	333.4*	Uruguay	82.0*	84.0*	74.8*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Excluding pulled wool.

<sup>d</sup> Including data for Lesotho and South-West Africa.

## SECRET

Table 139

Production of Grain Combines <sup>a</sup> in the United States, the United Kingdom, and Selected Communist Countries

Units

	1960	1965	1966	1967	1968	1969
United States.....	30,165*	37,606*	46,283*	39,962*	31,600* <sup>b</sup>	23,300* <sup>b</sup>
United Kingdom <sup>b</sup> .....	3,213*	5,243*	3,786*	2,719*	3,721*	N.A.*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	67,000*	91,200*	99,700*	109,000*	112,000*	105,000*
USSR.....	59,000*	85,800*	92,000*	101,200*	101,300*	94,500*
Eastern Europe.....	8,040*	5,380*	7,660*	8,140*	10,300*	10,200*
East Germany.....	1,972*	1,585*	1,588*	955*	800*	1,000*
Poland.....	564*	1,781*	2,024*	2,232*	1,950*	2,220*
Romania.....	5,500*	2,012*	4,049*	4,950*	7,518*	7,000*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Tractor-drawn and self-propelled.<sup>b</sup> Shipments.

Table 140

Production of Tractors <sup>a</sup>

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup>						
United States.....	581*	708*	732*	670*	659*	643*
United States.....	178.5*	271.8*	299.1*	262.1*	236.0*	217.1* <sup>c</sup>
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	308*	442*	472*	499*	525*	551*
USSR.....	238.5*	354.5*	382.5*	405.1*	423.4*	441.8*
Eastern Europe.....	69.0*	87.5*	90.0*	94.1*	102*	109*
Bulgaria.....	0* <sup>d</sup>	3.8*	3.2*	3.3*	4.2*	5.3*
Czechoslovakia.....	32.5*	30.5*	28.2*	28.7*	24.4*	18.6*
East Germany.....	9.1*	12.9*	12.2*	11.1*	14.2*	14.5*
Hungary.....	2.6*	3.0*	3.3*	3.6*	2.8*	1.7*
Poland.....	7.7*	21.5*	24.6*	29.8*	35.0*	44.2*
Romania.....	17.1*	15.8*	18.5*	17.6*	21.2*	24.9*
Far East						
Communist China <sup>e</sup> .....	10.8	13.7	17.6	15.3	16.4	18-20
North Korea.....	3.0*	4.4	5.0	6.0	7.0	7.5
Other						
Yugoslavia.....	7.3*	7.4*	8.7*	8.8*	10.9*	10.8*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
France.....	63.4*	90.0*	67.7*	United Kingdom <sup>f</sup> ....	181.0*	178.5* <sup>g</sup>	179.2* <sup>g h</sup>	West Germany <sup>i</sup> ....	120.7*	105.0*	107.0*
Italy.....	37.6*	62.7*	72.0*								

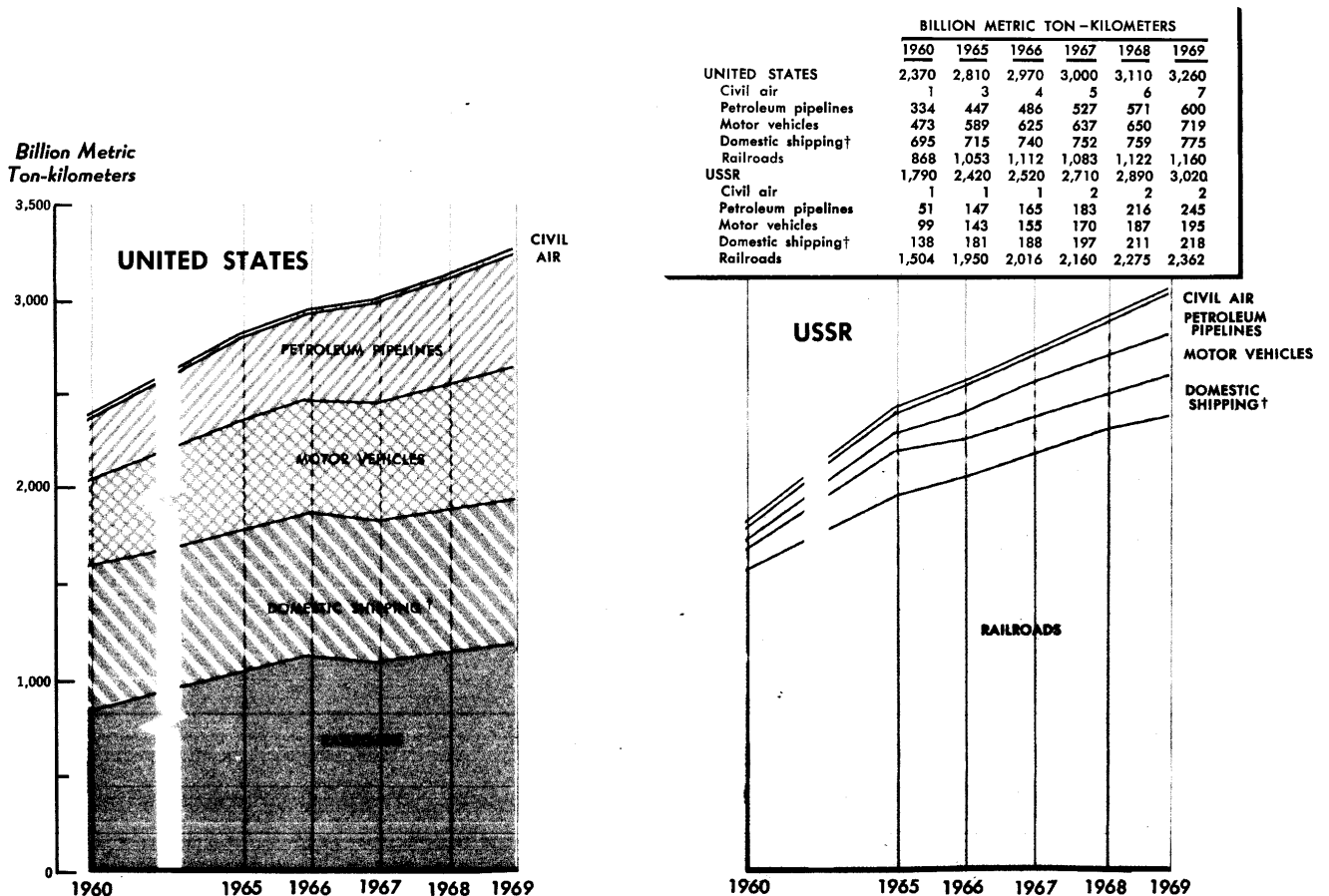
\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Physical units.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries." The data exclude garden-type tractors.<sup>c</sup> Data for wheel-type tractors are shipments.<sup>d</sup> Production began in 1960 but was limited to a test series.<sup>e</sup> Excluding garden-type tractors.<sup>f</sup> Including industrial wheeled tractors.<sup>g</sup> Shipments.<sup>h</sup> Data are for the previous year.<sup>i</sup> Excluding tracklaying tractors.

TRANSPORTATION AND  
COMMUNICATIONS

## DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR

Figure 20



† Including inland waterway, coastal, and intercoastal freight traffic. The US data include Great Lakes freight traffic, and the Soviet data include Caspian Sea freight traffic.

## SECRET

Table 141

Railroad Freight Traffic, <sup>a</sup> in Ton-Kilometers

Billion Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	1,140*	1,360*	1,430*	1,390*	1,440*	1,500*					
United States <sup>c</sup> .....	868.47*	1,052.72*	1,112.42*	1,083.37*	1,122.05*	1,160.00*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	1,690*	2,190*	2,260*	2,410*	2,530*	2,620*					
USSR.....	1,504.30*	1,950.20*	2,016.00*	2,160.50*	2,274.80*	2,362.00*					
Eastern Europe.....	187*	236*	246*	250*	259*	261*					
Bulgaria.....	6.98*	10.78*	11.45*	11.72*	12.20*	12.62*					
Czechoslovakia.....	47.41*	56.90*	57.65*	55.78*	56.71*	52.70*					
East Germany.....	32.86*	38.87*	39.68*	38.47*	38.58*	38.50*					
Hungary.....	13.31*	17.28*	17.88*	18.49*	18.33*	18.00*					
Poland.....	66.55*	81.01*	85.01*	88.54*	92.64*	95.02*					
Romania.....	19.82*	30.98*	34.54*	37.30*	40.71*	44.00*					
Far East											
North Korea.....	9.10*	10.50	11.94	12.48	12.82	13.00					
Other											
Albania.....	0.05*	0.10*	0.11*	0.12*	0.15*	0.17*					
Yugoslavia <sup>d</sup> .....	15.19*	18.04*	17.52*	16.39*	16.37*	17.70*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium.....	6.26*	6.81*	7.27*	Italy <sup>e</sup> .....	15.86*	15.29*	17.50*	Portugal <sup>e</sup> .....	0.76*	0.76*	0.74*
Canada <sup>e</sup> .....	95.55*	127.09*	139.23*	Luxembourg..	0.64*	0.62*	0.72*	Turkey.....	4.33*	5.30*	4.89*
Denmark <sup>e</sup> .....	1.44* <sup>c</sup>	1.49*	1.55*	Netherlands <sup>h</sup>	3.41*	3.52*	3.32*	United Kingdom <sup>e,k</sup>	30.50* <sup>e</sup>	25.23*	22.79*
France.....	56.93*	64.60*	67.01*	Norway <sup>l</sup> .....	1.59* <sup>j</sup>	2.06*	2.54*	West Germany.....	52.27*	57.13*	66.96*
Greece <sup>f</sup> .....	0.36*	0.57*	0.55*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Including secondary or private railroads operating as common carriers.

<sup>d</sup> Including service traffic.

<sup>e</sup> Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

<sup>f</sup> Including military and government traffic.

<sup>g</sup> Excluding livestock.

<sup>h</sup> Excluding express parcels.

<sup>i</sup> Including data for the Ofoten railroad.

<sup>j</sup> Data are for the year beginning 1 July of the previous year.

<sup>k</sup> Excluding data for Northern Ireland.



## SECRET

Table 142

Railroad Freight Traffic,<sup>a</sup> in Tons Carried

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	2,470*	2,660*	2,670*	2,560*	2,620*	N.A.*
United States <sup>c</sup> .....	1,180.5*	1,341.7*	1,400.5*	1,359.4*	1,374.3*	1,390.0*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	2,810*	3,520*	3,630*	3,770*	3,890*	3,950*
USSR.....	1,884.9*	2,415.3*	2,481.9*	2,604.6*	2,705.6*	2,760.0*
Eastern Europe.....	928*	1,100*	1,140*	1,160*	1,180*	1,190*
Bulgaria.....	38.4*	56.0*	60.7*	63.1*	62.7*	62.5*
Czechoslovakia.....	194.1*	218.5*	224.1*	226.1*	227.3*	226.1*
East Germany.....	237.8*	260.4*	262.5*	253.1*	252.7*	252.5*
Hungary <sup>d</sup> .....	92.9*	112.3*	116.4*	115.5*	113.5*	111.5*
Poland.....	286.9*	341.3*	353.6*	365.6*	377.8*	373.7*
Romania.....	77.5*	114.4*	126.6*	137.1*	148.1*	162.9*
Far East						
North Korea.....	38.5*	52.5	56.0	59.4	61.8	62.0
Other						
Albania.....	0.9*	1.6*	1.7*	2.0*	2.5*	2.7*
Yugoslavia <sup>e</sup> .....	65.2*	74.8*	71.6*	66.3*	68.4*	69.8*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium <sup>e</sup> .....	64.1*	65.9*	65.7*	Italy <sup>c e</sup> .....	67.9*	59.4*	64.0*	Turkey.....	13.4*	14.0*	15.0*
Canada <sup>c</sup> .....	161.1*	204.4*	219.4*	Luxembourg... 17.4*	16.4*	15.7*	United King-				
Denmark <sup>c e</sup> ...	8.9*	8.5*	8.1* <sup>f</sup>	Netherlands <sup>e</sup> .. 27.3*	28.1*	26.3*	dom <sup>c h</sup> .....	253.1*	232.4*	210.6*	
France.....	227.0*	238.7*	240.9*	Norway <sup>g</sup> ..... 18.6* <sup>e</sup>	24.5*	30.6*	West Germany <sup>c e</sup> . 429.2* <sup>i</sup>	423.1* <sup>i</sup>	345.9*		
Greece.....	2.2*	3.3*	2.5*	Portugal..... 3.7*	3.7*	4.0*					

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Including secondary or private railroads operating as common carriers.

<sup>d</sup> Including performance of railroads owned jointly by Hungary and Austria within Hungary.

<sup>e</sup> Including service traffic.

<sup>f</sup> Data for government railroads are for the stated year, and data for private railroads are for the previous year.

<sup>g</sup> Including data for the Ofoten railroad.

<sup>h</sup> Including data for Northern Ireland.

<sup>i</sup> Data include through consignments between private and government railroads.

## SECRET

Table 143

## Motor Vehicle Freight Traffic, in Ton-Kilometers, in the United States and Selected Communist Countries

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
United States <sup>a</sup> .....	473,000*	589,000*	625,000*	637,000*	650,000*	719,000*
<b>COMMUNIST COUNTRIES<sup>b</sup></b>						
USSR and Eastern Europe.....	120,000*	175,000*	191,000*	210,000*	232,000*	245,000*
USSR.....	98,520*	143,083*	155,341*	170,160*	187,075*	195,000*
Eastern Europe.....	21,000*	32,300*	35,600*	39,400*	45,000*	49,500*
Bulgaria.....	2,039*	3,821*	4,297*	5,106*	6,025*	6,650*
Czechoslovakia.....	5,108*	6,975*	7,281*	7,813*	8,708*	9,120*
East Germany.....	5,002*	7,213*	7,839*	8,171*	9,254*	10,180*
Hungary.....	1,580*	2,634*	2,980*	3,219*	3,608*	3,720*
Poland.....	5,692*	8,376*	9,263*	10,384*	12,007*	13,656*
Romania.....	1,600*	3,270*	3,948*	4,680*	5,382*	6,190*
<b>Far East</b>						
North Korea.....	552*	765	N.A.	N.A.	N.A.	N.A.
<b>Other</b>						
Albania.....	328*	454*	527*	570*	633*	700*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Total traffic for all urban streets and rural roads.

<sup>b</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 144

Motor Vehicle Freight Traffic,<sup>a</sup> in Tons Carried, in the Communist Countries

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	9,970*	12,900*	13,800*	14,600*	15,600*	16,100*
USSR.....	8,492.7*	10,746.0*	11,457.3*	11,947.0*	12,800.4*	13,200*
Eastern Europe.....	1,480*	2,180*	2,390*	2,630*	2,830*	2,940*
Bulgaria.....	128.3*	281.3*	315.9*	379.4*	413.7*	422*
Czechoslovakia.....	428.4*	577.7*	616.5*	660.3*	680.4*	647*
East Germany.....	270.3*	345.8*	358.4*	372.6*	399.2*	435*
Hungary.....	121.5*	192.0*	214.2*	231.0*	244.4*	252*
Poland.....	408.2*	569.4*	621.3*	679.2*	757.9*	797*
Romania.....	123.0*	218.0*	263.2*	311.3*	339.3*	390*
<b>Far East</b>						
North Korea.....	78.6*	116.0	N.A.	N.A.	N.A.	N.A.
<b>Other</b>						
Albania.....	10.3*	17.0*	18.6*	23.3*	25.6*	28*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 145

## Inland Water Freight Traffic, in Ton-Kilometers

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
<b>NATO COUNTRIES<sup>a</sup></b> .....	<b>200,000</b>	<b>248,000</b>	<b>262,000</b>	<b>283,000</b>	<b>295,000</b>	<b>N.A.</b>					
United States <sup>b</sup> .....	123,000	162,553	173,758	190,033	196,370	204,000					
<b>COMMUNIST COUNTRIES</b>											
USSR and Eastern Europe .....	<b>108,000</b>	<b>144,000</b>	<b>149,000</b>	<b>155,000</b>	<b>167,000</b>	<b>172,000</b>					
USSR .....	99,602	133,928	137,686	143,907	155,394	160,000					
Eastern Europe .....	<b>7,910</b>	<b>9,740</b>	<b>11,300</b>	<b>11,300</b>	<b>12,000</b>	<b>11,800</b>					
Bulgaria .....	615	1,062	1,240	1,260	1,364	1,425					
Czechoslovakia .....	1,962	2,172	2,412	2,243	2,360	2,710					
East Germany .....	2,252	2,196	2,556	2,576	2,443	2,300					
Hungary .....	1,308	1,682	2,284	2,222	2,555	2,600					
Poland .....	904	1,409	1,762	1,881	2,021	1,442					
Romania .....	865	1,222	1,074	1,156	1,280	1,300					
Other											
Yugoslavia .....	3,272	4,354	5,196	4,690	5,318	5,060					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968					
Belgium .....	5,226	5,498	6,651	Netherlands .....	20,020	24,070	31,044	West Germany ...	40,390	43,308	47,932
France .....	10,773	12,510	13,235	United Kingdom .....	276	213	153				

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>b</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1967, coastwise and foreign trade traffic within US waters together amounted to 65 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 110 billion metric ton-kilometers of domestic trade and 46 billion metric ton-kilometers of US foreign trade.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 146

## Inland Water Freight Traffic, in Tons Carried

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>a</sup> .....	821	1,000	1,040	1,090	1,160	N.A.					
United States <sup>b</sup> .....	358.56	428.63	443.67	454.42	472.56	490.00					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	235	298	312	336	356	366					
USSR.....	210.32	269.44	279.02	301.81	322.51	332.0					
Eastern Europe.....	25.0	28.6	32.8	33.9	33.8	34.0					
Bulgaria.....	1.56	2.32	2.67	2.86	2.93	3.0					
Czechoslovakia.....	3.53	4.06	4.35	4.20	4.34	5.0					
East Germany.....	12.63	12.13	13.37	13.68	13.14	13.0					
Hungary.....	2.39	2.58	3.18	3.25	3.25	3.2					
Poland.....	2.95	4.68	5.98	6.30	6.57	6.3					
Romania.....	1.91	2.86	3.24	3.58	3.54	3.5					
Other											
Yugoslavia.....	10.04	12.81	15.32	15.43	18.61	17.7					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium.....	61.16	77.03	93.33	Luxembourg <sup>c</sup> ....	0	3.42	6.10	United Kingdom.....	9.78	8.54	7.43
France.....	68.05	89.76	101.75	Netherlands.....	149.67	193.99	242.22	West Germany.....	171.36	195.69	233.33
Italy.....	2.54	2.78	4.39								

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic.<sup>c</sup> Traffic began in June 1964.ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## SECRET

Table 147

Ocean Freight Traffic,<sup>a</sup> in Ton-Kilometers, of the Communist Countries

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	188,000*	501,000*	573,000*	709,000*	817,000*	N.A.
USSR <sup>b</sup> .....	131,500*	388,800*	442,800*	527,100*	586,800*	622,100*
Eastern Europe.....	56,700*	112,000*	130,000*	182,000*	230,000*	N.A.
Bulgaria <sup>c</sup> .....	2,540*	9,064*	13,213*	27,599*	33,021*	37,474*
Czechoslovakia.....	7,472*	8,261*	7,442*	9,063*	11,483*	11,069*
East Germany <sup>c</sup> .....	10,518*	30,204*	32,636*	43,722*	49,030*	54,844*
Hungary.....	230*	388*	571*	560*	1,052*	N.A.
Poland <sup>c,d</sup> .....	34,828*	55,838*	62,808*	73,921*	95,667*	99,497*
Romania.....	1,065*	8,368*	13,336*	26,790*	39,827*	39,128*
Far East						
North Korea <sup>e</sup> .....	135*	283	N.A.	N.A.	N.A.	N.A.
Other						
Albania <sup>c</sup> .....	269*	977*	N.A.	N.A.	N.A.	N.A.

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons (GRT).

<sup>b</sup> Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

<sup>c</sup> Including coastal traffic.

<sup>d</sup> Possibly excluding the performance of some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1969, there were 13 of these ships, totaling 112,991 GRT.

<sup>e</sup> Including both modern coastal and inland water traffic.

Table 148

## Air Passenger Traffic, in Passenger-Kilometers, in the US and the USSR

	Billion Passenger-Kilometers					
	1960	1965	1966	1967	1968	1969
United States <sup>a</sup> .....	62.54*	110.52*	128.57*	158.92*	183.40*	201.83*
USSR.....	12.10*	38.10*	45.10*	53.50*	62.10*	71.19*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

## ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 149

Civil Airfreight Traffic,<sup>a</sup> in Ton-Kilometers, in the US and the USSR

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
United States <sup>b</sup> .....	1,377	3,363	4,235	5,001	6,084	6,848
USSR.....	563	1,338	1,445	1,662	1,803	1,900

<sup>a</sup> Express, freight, and mail traffic.<sup>b</sup> Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

Table 150

Petroleum Pipeline Transportation, in Ton-Kilometers, in the United States and the Communist Countries

	Billion Metric Tons					
	1960	1965	1966	1967	1968	1969
United States .....	333.8	447.3	486.0	527.1	571.3	600.0
COMMUNIST COUNTRIES <sup>a</sup>						
USSR.....	51.2	146.7	165.0	183.4	215.9	245.0
Romania.....	1.0	1.1	1.1	1.2	1.2	1.3

<sup>a</sup> Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.

Table 151

Petroleum Pipeline Transportation, in Tons Carried, in the United States and the Communist Countries

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
United States <sup>a</sup> .....	414.7	554.9	600.9	659.0	704.9	740.0
COMMUNIST COUNTRIES <sup>b</sup>						
USSR.....	129.9	225.7	247.7	273.3	301.3	324.0
Romania.....	5.6	7.4	8.0	8.6	8.8	9.0

<sup>a</sup> Data are for tons originated, thus giving a more realistic comparison with the Communist countries.<sup>b</sup> Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.ALL DATA IN THESE TABLES ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

SECRET

Table 152  
Construction of Maritime Cargo Ships<sup>a</sup> in Selected Communist Countries

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	<b>382</b>	<b>566</b>	<b>624</b>	<b>631</b>	<b>563</b>	<b>706</b>
USSR.....	58.4	155.4	170.2	191.2	107.9	227.9
Eastern Europe.....	<b>324</b>	<b>411</b>	<b>454</b>	<b>440</b>	<b>455</b>	<b>478</b>
Bulgaria.....	4.1	10.3	10.3	11.8	17.7	13.0
East Germany.....	123.0	144.3	165.8	146.8	164.0	207.0
Hungary.....	20.7	15.1	15.1	8.8	12.8	5.8
Poland.....	166.7	218.5	246.5	247.5	226.3	220.8
Romania.....	9.6	22.8	16.6	24.9	34.2	31.0
Far East						
Communist China.....	15.1	8.6	0	8.6	2.8	15.5
	Units					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	<b>112</b>	<b>115</b>	<b>120</b>	<b>119</b>	<b>107</b>	<b>104</b>
USSR.....	10	25	24	33	28	32
Eastern Europe.....	<b>102</b>	<b>90</b>	<b>96</b>	<b>86</b>	<b>79</b>	<b>72</b>
Bulgaria.....	3	4	4	5	7	6
East Germany.....	39	32	38	29	26	33
Hungary.....	16	12	12	7	10	4
Poland.....	40	33	37	37	27	21
Romania.....	4	9	5	8	9	8
Far East						
Communist China.....	5	1	0	1	1	3

<sup>a</sup> Data are for oceangoing cargo ships of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

## SECRET

Table 153

Construction of Maritime Tankers <sup>a</sup> in Selected Communist Countries

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	112	188	221	101	149	121
USSR.....	95.9	167.5	200.3	49.7	104.9	64.4
Eastern Europe.....	15.7	20.9	20.9	51.3	43.9	56.6
Bulgaria.....	11.5	7.6	7.6	11.5	3.8	0
East Germany.....	4.2	0	0	0	0	0
Poland.....	0	13.3	13.3	39.8	40.1	56.6
Far East						
Communist China.....	3.3	4.7	10.3	5.6	2.3	9.5
	Units					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	19	11	12	12	16	13
USSR.....	13	8	9	6	12	9
Eastern Europe.....	6	3	3	6	4	4
Bulgaria.....	3	2	2	3	1	0
East Germany.....	3	0	0	0	0	0
Poland.....	0	1	1	3	3	4
Far East						
Communist China.....	1	2	4	2	1	1

<sup>a</sup> Data are for oceangoing tankers of 1,000 gross register tons or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

Table 154

Construction of Fishing Ships in Selected Communist Countries <sup>a</sup>

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	187	327	318	451	422	429
USSR.....	77.2	190.6	180.2	248.7	223.2	207.8
Eastern Europe.....	109	137	137	203	198	222
East Germany.....	46.3	68.2	76.5	97.1	76.8	102.4
Poland.....	63.1	68.6	60.9	105.5	121.6	119.2
	Units					
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	162	139	137	220	156	171
USSR.....	30	89	89	160	101	90
Eastern Europe.....	132	50	48	60	55	81
East Germany.....	93	32	35	42	32	51
Poland.....	39	18	13	18	23	30

<sup>a</sup> Only countries in which domestic construction is a significant percentage of overall construction are listed. Data exclude small fishing boats, seiners, and miscellaneous boats.



## SECRET

Table 155

Production of Mainline Locomotives <sup>a</sup> in Selected NATO and Communist Countries

	1960	1965	1966	1967	1968	1969
Units						
<b>NATO COUNTRIES</b>						
United States <sup>b</sup> .....	886*	1,793*	1,800*	1,379*	1,120*	1,127*
France.....	311*	293*	244*	230*	196*	195*
Italy <sup>c</sup> <sup>d</sup> .....	150*	141*	156*	118*	138*	25*
United Kingdom <sup>e</sup> .....	1,181*	719*	463*	356*	263*	N.A.*
West Germany.....	1,231*	947*	776*	493*	492*	N.A.*
<b>COMMUNIST COUNTRIES</b>						
<b>USSR and Eastern Europe</b>						
USSR.....	1,699*	2,126*	2,129*	1,885*	1,804*	1,754*
<b>Eastern Europe</b>						
Czechoslovakia.....	172*	269	233	231	180	241
East Germany.....	2	86	128	146	115	N.A.
Hungary <sup>e</sup> <sup>f</sup> .....	0*	17*	34*	22*	22*	22*
Poland <sup>e</sup> <sup>f</sup> .....	38*	72*	80*	101*	109*	91*
Romania <sup>g</sup> .....	10*	110*	125*	133*	167*	214*
<b>Far East</b>						
Communist China <sup>h</sup> .....	600 <sup>i</sup>	50	140	195	200	255
North Korea <sup>c</sup> .....	0	21	19	19	18	23

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for diesel, diesel-electric, and electric railroad locomotives of 1,000 horsepower or more. Because of the lack of consistency, totals for the NATO and the Communist countries have been omitted.

<sup>b</sup> Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

<sup>c</sup> Electric locomotives only.

<sup>d</sup> Production for the government only. Data include rail motor vehicles.

<sup>e</sup> Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

<sup>f</sup> Excluding narrow-gauge locomotives.

<sup>g</sup> Diesel locomotives only.

<sup>h</sup> Production of diesel locomotives began in 1965.

<sup>i</sup> Steam locomotives only.

## SECRET

Table 156

Production of Mainline Diesel Locomotives<sup>a</sup> in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969
<b>NATO COUNTRIES</b>						
United States <sup>b</sup> .....	885*	1,793*	1,800*	1,376*	1,120*	1,127*
France .....	143*	209*	173*	167*	142*	147*
United Kingdom <sup>c</sup> .....	1,007*	565*	304*	222*	188*	N.A.*
West Germany .....	1,110*	681*	556*	311*	392*	N.A.*
<b>COMMUNIST COUNTRIES</b>						
<b>USSR and Eastern Europe</b>						
USSR .....	1,303*	1,485*	1,529*	1,497*	1,499*	1,464*
<b>Eastern Europe</b>						
Czechoslovakia .....	3*	25	35	40	45	45
East Germany .....	2	26	68	136	95	N.A.
Romania .....	10*	110*	125*	133*	167*	214*
<b>Far East</b>						
Communist China .....	0	25	70	95	100	130

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including diesel and diesel-electric locomotives of 1,000 horsepower or more.

<sup>b</sup> Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

<sup>c</sup> Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

Table 157

Production of Mainline Electric Locomotives<sup>a</sup> in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969
<b>NATO COUNTRIES</b>						
United States .....	1*	0*	0*	3*	0*	0*
France .....	168*	84*	71*	63*	54*	48*
Italy <sup>b</sup> .....	150*	141*	156*	118*	138*	25*
United Kingdom <sup>c</sup> .....	174*	154*	159*	134*	75*	N.A.*
West Germany .....	121*	266*	220*	182*	100*	N.A.*
<b>COMMUNIST COUNTRIES</b>						
<b>USSR and Eastern Europe</b>						
USSR .....	396*	641*	600*	388*	305*	290*
<b>Eastern Europe</b>						
Czechoslovakia .....	169*	244*	198*	191*	135*	196*
East Germany .....	0	60	60	10	20	N.A.
Hungary <sup>d</sup> .....	0*	17*	34*	22*	22*	22*
Poland <sup>d</sup> .....	38*	72*	80*	101*	109*	91*
<b>Far East</b>						
North Korea .....	0	21	19	19	18	23

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for electric locomotives of 1,000 horsepower or more.

<sup>b</sup> Production for the government only. Data include rail motor vehicles.

<sup>c</sup> Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

<sup>d</sup> Excluding narrow-gauge locomotives.

SECRET

137

## SECRET

Table 158

Production of Railroad Freight Cars<sup>a</sup>

Thousand Units

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES <sup>b</sup> .....	83.5*	118*	118*	106*	75.4*	88.7*					
United States <sup>c</sup> .....	57.31*	77.90*	90.35*	83.10*	56.26*	68.45*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	64.9*	73.1*	75.0*	75.3*	80.7*	N.A.					
USSR.....	36.40*	39.60*	40.20*	43.80*	48.10*	50.20*					
Eastern Europe.....	28.5*	33.5*	34.8*	31.5*	32.6*	N.A.					
Bulgaria.....	2.01*	1.58*	1.93*	1.79*	1.55*	1.72*					
Czechoslovakia.....	5.15*	4.30*	4.44*	4.19*	4.32*	N.A.					
East Germany.....	2.38*	2.17*	3.69*	4.22*	5.50*	N.A.					
Hungary.....	0.45*	0.55*	0.56*	0.58*	0.40*	0.40*					
Poland.....	13.89*	16.29*	16.60*	12.70*	12.60*	14.00*					
Romania.....	4.62*	8.58*	7.61*	8.03*	8.27*	9.70*					
Far East											
Communist China.....	23	7	7	7	8	14					
North Korea.....	0.6*	1.6	1.8	1.8	1.8	1.9					
Other											
Yugoslavia.....	3.42*	4.85*	4.24*	2.37*	2.68*	4.23*					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
France.....	7.93*	15.04*	10.67*	United Kingdom <sup>d</sup> ....	8.52*	4.62*	2.90* <sup>e</sup>	West Germany...	6.63*	11.31*	4.75* <sup>e</sup>
Italy.....	3.15*	9.26*	1.90*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Units of two, four, or more axles. The majority of the production now consists of four-axle units.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Shipments.<sup>d</sup> Additions to the operating stock by the British Railways and the London Transport Boards and those exported.<sup>e</sup> Data are for the previous year.

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 159

## Production of Passenger Automobiles

Thousand Units

	1960	1965	1966	1967	1968	1969					
<b>NATO COUNTRIES<sup>a</sup></b> . . . . .	<b>11,900</b>	<b>17,100</b>	<b>17,000</b>	<b>15,400</b>	<b>17,900</b>	<b>18,100</b>					
United States <sup>b</sup> . . . . .	6,674.8	9,305.6	8,598.3	7,436.8	8,822.2	8,223.7					
<b>COMMUNIST COUNTRIES</b>											
USSR and Eastern Europe . . . . .	<b>272</b>	<b>408</b>	<b>459</b>	<b>504</b>	<b>568</b>	<b>613</b>					
USSR . . . . .	138.8	201.2	230.2	251.4	280.3	293.6					
Eastern Europe . . . . .	<b>133</b>	<b>207</b>	<b>228</b>	<b>253</b>	<b>287</b>	<b>319</b>					
Bulgaria . . . . .	0	0	0	1.8	4.7	7.5					
Czechoslovakia . . . . .	56.2	77.7	92.7	111.7	125.5	132.4					
East Germany . . . . .	64.1	102.9	106.5	111.5	114.6	118.0					
Poland . . . . .	12.9	26.4	29.2	27.7	40.4	50.2					
Romania . . . . .	0	0	0	0	2.0	11.0					
Other											
Yugoslavia <sup>c</sup> . . . . .	10.5	35.9	37.7	47.9	59.4	80.5					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
Belgium <sup>d</sup> . . . . .	N.A.	169.1	100.8 <sup>e</sup>	Italy <sup>f</sup> . . . . .	595.9	1,103.9	1,477.2	United Kingdom .	1,352.7	1,722.0	1,717.1
Canada . . . . .	325.8	710.7	1,035.6	Netherlands . . .	15.2	29.9	54.7	West Germany . . .	1,816.8	2,733.7 <sup>g</sup>	3,312.0 <sup>g</sup>
France . . . . .	1,135.6	1,374.0	2,139.6								
Other Free World Countries											
	1960	1965	1969								
Japan . . . . .	165.1	696.2	2,611.5								

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Factory sales.<sup>c</sup> Including vehicles assembled from imported parts.<sup>d</sup> Including data for Luxembourg.<sup>e</sup> Data are for the previous year.<sup>f</sup> Excluding production for the armed forces.<sup>g</sup> Including data for West Berlin, for which separate data are not available.ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## SECRET

Table 160

Production of Trucks and Buses <sup>a</sup>

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> . . . . .	2,250*	2,920*	2,980*	2,710*	3,220*	3,440*
United States <sup>c</sup> . . . . .	1,194.5*	1,751.8*	1,731.1*	1,539.5*	1,896.1*	1,919.1*
COMMUNIST COUNTRIES						
USSR and Eastern Europe . . . . .	458*	514*	559*	604*	663*	706*
USSR . . . . .	384.8*	415.1*	445.0*	477.4*	520.6*	550.7*
Eastern Europe . . . . .	72.9*	98.4*	114*	126*	143*	155*
Bulgaria . . . . .	0*	0*	0*	0*	1.9*	3.0*
Czechoslovakia <sup>d</sup> . . . . .	19.1*	19.1*	20.8*	23.6*	26.5*	28.5*
East Germany . . . . .	13.3*	16.0*	21.3*	22.6*	24.5*	26.0*
Hungary <sup>d</sup> . . . . .	4.4*	6.3*	7.1*	7.5*	8.5*	8.7*
Poland <sup>d</sup> . . . . .	24.0*	34.2*	37.8*	40.6*	44.5*	46.2*
Romania . . . . .	12.1*	22.8*	27.0*	31.8*	36.8*	43.0*
Far East						
Communist China <sup>e</sup> . . . . .	15	34	47	34	31	65
North Korea . . . . .	3.1*	4.5	6.0	8.0	9.5	9.8
Other						
Yugoslavia <sup>d f</sup> . . . . .	5.5*	11.9*	11.8*	12.7*	13.4*	14.0*

## Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium <sup>g</sup> . . . . .	0.5*	6.4*	19.6* <sup>h</sup>	Italy <sup>f</sup> . . . . .	48.9*	71.6*	118.6*	United Kingdom . . . . .	458.0*	455.2*	465.7*
Canada . . . . .	72.0*	144.8*	317.4*	Netherlands . . . . .	4.1*	6.1*	10.9*	West Germany . . . . .	237.9*	242.8* <sup>1</sup>	286.8* <sup>1</sup>
France . . . . .	233.6*	242.4*	297.6*								

## Other Free World Countries

	1960	1965	1969
Japan . . . . .	595.2*	1,222.4*	2,079.9*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries." Data include complete units exported for assembly.

<sup>c</sup> Factory sales.

<sup>d</sup> Excluding wheeled tractors.

<sup>e</sup> Excluding buses, jeeps, and three-wheel trucks.

<sup>f</sup> Excluding production for the armed forces.

<sup>g</sup> Including data for Luxembourg.

<sup>h</sup> Data are for the previous year.

<sup>1</sup> Including data for West Berlin, for which separate data are not available.

SECRET

Table 161

Inventory of Civil Aircraft <sup>a</sup> in the US and the USSR

Units

	1960	1965	1966	1967	1968	1969
<b>United States</b>						
Total airliners <sup>b</sup> .....	<b>2,110*</b>	<b>2,070*</b>	<b>2,230*</b>	<b>2,410*</b>	<b>2,560*</b>	<b>2,660*</b>
Jet .....	202*	725*	1,006*	1,344*	1,781*	2,068*
Turboprop .....	230*	312*	372*	444*	458*	380*
Piston .....	1,678*	1,037*	849*	622*	316*	217*
Transport helicopters .....	25*	21*	21*	22*	16*	18*
<b>USSR</b>						
Total airliners .....	<b>1,870</b>	<b>2,120</b>	<b>1,990</b>	<b>2,090</b>	<b>2,220</b>	<b>2,370</b>
Jet .....	190	230	230	260	275	340
Turboprop .....	180	560	660	830	1,020	1,160
Piston .....	1,500	1,330	1,100	1,000	920	870
Transport helicopters .....	225	630	700	720	750	820

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Data are as of the end of the year and exclude light aircraft.

<sup>b</sup> Including all aircraft that perform commercial for-hire operations. In the United States, there are more than 2,000 multiengine aircraft of more than 2,000 horsepower, which are operated by private corporations and individuals. The USSR has no counterpart.

SECRET

141

## SECRET

Table 162

Inventory of Locomotives <sup>a</sup>

	Units					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> . . . . .	79,800*	67,600*	65,200*	62,600*	60,800*	N.A.*
United States <sup>c d</sup> . . . . .	31,178*	30,061*	30,124*	29,874*	29,448*	29,200*
COMMUNIST COUNTRIES						
USSR and Eastern Europe . . . . .	55,900*	49,900*	49,800*	49,200	49,000	49,000
USSR . . . . .	34,000*	26,900*	26,700*	26,900*	27,100*	27,600*
Eastern Europe . . . . .	21,900*	23,000*	23,100*	22,300	21,900	21,400
Bulgaria . . . . .	635*	730*	730*	720*	710*	700*
Czechoslovakia . . . . .	5,230*	5,520*	5,520*	4,879*	4,860*	4,800*
East Germany . . . . .	6,023*	5,985*	6,075*	6,254	6,100	5,900
Hungary . . . . .	2,460*	2,626*	2,626*	2,500*	2,375*	2,250
Poland . . . . .	5,800*	6,334*	6,334*	6,194*	6,166*	6,100*
Romania . . . . .	1,720*	1,780*	1,780*	1,750*	1,720	1,700*
Far East						
Communist China . . . . .	6,560	6,020	6,010	6,070	6,110	6,205
North Korea . . . . .	350	426	436	451	466	N.A.
North Vietnam . . . . .	70	120	N.A.	N.A.	N.A.	N.A.
Other						
Albania . . . . .	9*	14*	14*	18*	18*	19*
Yugoslavia . . . . .	2,325*	2,284*	2,192*	2,103*	1,996*	1,990*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium . . . . .	1,494*	1,238*	1,075*	Italy <sup>e</sup> . . . . .	5,282*	4,470*	3,978* <sup>e</sup>	Turkey . . . . .	983*	974*	963*
Canada <sup>e</sup> . . . . .	3,752*	3,323*	3,294*	Luxembourg . . . . .	121*	85*	85*	United Kingdom <sup>e g</sup> . . . . .	16,047*	8,107*	4,673*
Denmark <sup>e</sup> . . . . .	663*	624*	519* <sup>e</sup>	Netherlands . . . . .	684*	675*	674*	West Germany . . . . .	10,442*	9,592*	8,608*
France . . . . .	7,963*	7,360*	6,269*	Norway . . . . .	455*	332*	319*				
Greece . . . . .	231*	335*	401* <sup>f</sup>	Portugal . . . . .	457*	439*	493*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Including secondary or private railroads operating as common carriers.

<sup>d</sup> Including gas turbine locomotives.

<sup>e</sup> Data for government railroads are for the stated year, and data for private railroads are for the previous year.

<sup>f</sup> Data are for the previous year.

<sup>g</sup> Including data for Northern Ireland.

## SECRET

Table 163

## Inventory of Railroad Freight Cars\* in NATO and Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969					
United States <sup>b,c</sup> . . . . .	1,945.7*	1,806.2*	1,833.5*	1,848.1*	1,828.8*	1,820.0*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe											
USSR <sup>d</sup> . . . . .	949.0*	1,030.0*	1,050.0*	1,060.0*	1,090.0*	1,110.0*					
Eastern Europe											
Bulgaria . . . . .	22.8*	33.5*	36.5*	37.7*	37.7*	38.0*					
Czechoslovakia . . . . .	134.0*	147.3*	152.2*	152.9*	152.9*	152.0*					
East Germany <sup>e</sup> . . . . .	149.4*	157.0*	159.4*	154.0*	150.0*	147.0*					
Hungary <sup>e</sup> . . . . .	62.0*	73.4*	75.6*	76.8*	77.5*	80.0*					
Poland <sup>e</sup> . . . . .	249.0*	263.9*	266.6*	267.3*	267.7*	269.0*					
Romania . . . . .	55.5*	68.6*	71.9*	76.5*	79.5*	83.0*					
Far East											
Communist China <sup>f</sup> . . . . .	132.1	142.9	147.5	151.1	156.5	167.5					
North Korea <sup>f</sup> . . . . .	10.4	15.2	16.5	17.1	N.A.	N.A.					
North Vietnam . . . . .	1.0	1.6	N.A.	N.A.	N.A.	3.0 <sup>g</sup>					
Other											
Albania <sup>e</sup> . . . . .	0.5*	0.9*	1.1*	1.3*	1.4*	1.5*					
Yugoslavia . . . . .	72.6*	72.4*	71.2*	68.6*	64.5*	61.0*					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium . . . . .	74.0*	60.3*	48.7*	Italy <sup>c</sup> . . . . .	133.7*	133.9*	136.4* <sup>i</sup>	Portugal . . . . .	10.2*	9.9*	9.2*
Canada <sup>c</sup> . . . . .	196.6*	188.4*	191.6*	Luxembourg . . . . .	3.6*	3.6*	3.9*	Turkey . . . . .	17.2*	17.5*	17.8* <sup>h</sup>
Denmark . . . . .	12.6*	11.7*	11.2*	Netherlands . . . . .	22.2*	22.2*	19.3*	United Kingdom <sup>e</sup> . . . . .	956.0*	605.6*	456.0*
France . . . . .	362.2*	362.3*	316.6*	Norway . . . . .	11.9*	11.0*	10.6*	West Germany . . . . .	309.6*	329.5*	310.9*
Greece . . . . .	6.3*	7.2*	9.8* <sup>h</sup>								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the NATO and the Communist countries are omitted.

<sup>b</sup> Units of four or more axles.

<sup>c</sup> Including secondary or private railroads operating as common carriers.

<sup>d</sup> In recent years, about 90% of the freight cars had four or more axles, and these cars accounted for more than 95% of total freight-carrying capacity.

<sup>e</sup> Excluding narrow-gauge rolling stock.

<sup>f</sup> The majority are four-axle units.

<sup>g</sup> Including Chinese freight cars in transit or on loan.

<sup>h</sup> Data are for the previous year.

<sup>i</sup> Data for government railroads are for the stated year, and data for private railroads are for the previous year.

<sup>j</sup> Excluding privately owned tank cars and including data for Northern Ireland.





Table 164

Inventory of Civilian Trucks <sup>a</sup>

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES.....	17,500*	22,000*	23,100*	24,000*	24,900*	N.A.*
United States <sup>b</sup> .....	11,329*	14,035*	14,721*	15,359*	16,108*	16,800*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	3,570*	4,490*	4,660*	4,830*	5,070*	5,330*
USSR.....	3,140*	3,900*	4,030*	4,160*	4,330*	4,510*
Eastern Europe.....	428*	593*	631*	675*	742*	818*
Bulgaria.....	20*	22*	25*	26*	29*	32*
Czechoslovakia.....	90*	122*	130*	138*	162*	187*
East Germany.....	132*	166*	173*	183*	194*	206*
Hungary.....	26*	42*	45*	49*	56*	64*
Poland.....	120*	183*	196*	213*	229*	246*
Romania.....	40*	58*	62*	66*	72*	83*
Far East						
Communist China <sup>c</sup> .....	N.A.	230	274	303	325	379
Other						
Albania.....	3*	5*	5*	6*	6*	7*
Yugoslavia.....	51*	78*	91*	109*	114*	134*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium.....	177*	234*	246* <sup>d</sup>	Iceland.....	6*	6*	6*	Portugal.....	50*	65*	64* <sup>d</sup>
Canada.....	1,039*	1,206*	1,350*	Italy.....	612*	929*	1,058* <sup>d</sup>	Turkey.....	57*	90*	110* <sup>d</sup>
Denmark <sup>e</sup> .....	166*	232*	254*	Luxembourg...	8*	11*	12*	United King-			
France.....	1,597*	2,134*	2,491*	Netherlands <sup>f</sup> ..	158*	225*	286*	dom <sup>g</sup> .....	1,442*	1,710*	1,682*
Greece.....	37*	65*	87*	Norway.....	107*	127*	133*	West Germany <sup>h</sup> ..	687*	975*	1,019*

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Excluding military trucks of all types. Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage.

<sup>b</sup> Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state. Farm trucks restricted to use in the vicinity of the farm are excluded.

<sup>c</sup> Including both military and civilian trucks.

<sup>d</sup> Data are for the previous year.

<sup>e</sup> Excluding wheeled tractors.

<sup>f</sup> As of 1 August of the stated year.

<sup>g</sup> Including data for Northern Ireland.

<sup>h</sup> As of 1 October of the stated year.

<sup>i</sup> As of 1 July of the stated year.



Table 165  
Inventory of Merchant Fleet \*

	1960		1965		1966		1967		1968		1969	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES <sup>b</sup> .....	10,800*	79,800*	9,940*	86,600*	9,720*	87,000*	9,570*	89,900*	9,460*	93,000*	9,220*	95,300*
United States <sup>c</sup> .....	2,960*	23,870*	2,449*	21,203*	2,292*	20,104*	2,209*	19,495*	2,101*	18,819*	2,013*	18,373*
COMMUNIST COUNTRIES												
USSR and Eastern Europe.....	1,020	4,220	1,660	8,960	1,800	10,100	1,940	11,200	2,060	12,100	2,190	12,900
USSR <sup>d</sup> .....	829	3,283	1,284	6,906	1,378	7,694	1,476	8,408	1,574	9,066	1,680	9,667
Eastern Europe.....	189*	932*	376*	2,060*	424*	2,400*	464*	2,760*	490*	3,000*	510	3,260
Bulgaria <sup>e</sup> .....	15*	46*	61*	381*	73*	444*	84*	530*	94*	584*	96	616
Czechoslovakia <sup>f</sup> .....	11*	85*	10*	74*	11*	97*	10*	84*	10*	84*	9	82
East Germany.....	29*	174*	95*	593*	105*	649*	118*	746*	114*	713*	123	851
Hungary.....	8*	10*	16*	20*	18*	22*	19*	23*	21*	33*	20	32
Poland <sup>g</sup> .....	119*	585*	164*	865*	177*	977*	187*	1,078*	204*	1,256*	215	1,345
Romania.....	7*	32*	30*	124*	40*	209*	46*	302*	47*	328*	47	335
Far East												
Communist China <sup>h</sup> .....	147	516	174	710	189	799	214	983	232	1,106	218	1,068
North Korea.....	0*	0*	2*	3*	2*	4*	4*	15*	4*	15*	5	17
North Vietnam.....	0	0	2	5	1	2	4	8	4	8	4	7
Other												
Albania <sup>i</sup> .....	4*	8*	8*	33*	9*	35*	9*	36*	9*	37*	10	45
Cuba <sup>b</sup> .....	28*	89*	29*	128*	34*	185*	40*	223*	40*	223*	48	282
Yugoslavia <sup>b</sup> .....	130*	617*	174*	933*	179*	1,061*	178*	1,092*	182*	1,237*	189	1,420

## Other NATO Countries

Thousand GRT

	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium.....	646*	740*	926*	Iceland.....	53*	59*	45*	Portugal.....	466*	557*	641*
Canada.....	293*	239*	277*	Italy.....	4,758*	5,246*	6,314*	Turkey.....	603*	601*	534*
Denmark.....	2,027*	2,394*	2,893*	Netherlands.....	4,327*	4,344*	4,595*	United Kingdom.....	19,370*	19,680*	21,332*
France.....	4,472*	4,790*	5,489*	Norway.....	10,708*	14,937*	18,562*	West Germany.....	4,137*	4,865*	6,517*
Greece <sup>j</sup> .....	4,095*	6,980*	8,828*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Ships of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year. Data for the NATO countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

<sup>b</sup> Data are as of midyear.

<sup>c</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>d</sup> Excluding the Caspian Sea fleet and including refrigerator ships and tankers serving the fishing fleet.

<sup>e</sup> Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of Free World countries.

<sup>f</sup> Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with Communist China.

<sup>g</sup> Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1969, there were 13 of these ships, totaling 112,991 GRT.

<sup>h</sup> Including coastal passenger ships.

<sup>i</sup> Except for 1960, data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company. At the end of 1969, there were four of these ships, totaling 30,811 GRT.

<sup>j</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

SECRET

SECRET

Table 166  
Inventory of Tanker Fleet <sup>a</sup>

	1960		1965		1966		1967		1968		1969	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES <sup>b c</sup> .....	2,160*	25,400*	1,940*	30,600*	1,900*	31,400*	1,890*	33,300*	1,880*	34,900*	1,870*	36,500*
United States <sup>d</sup> .....	428*	4,910*	351*	4,762*	328*	4,568*	317*	4,500*	315*	4,525*	305*	4,487*
COMMUNIST COUNTRIES												
USSR and Eastern Europe.....	140	923	234	2,500	259	2,870	280	3,070	297	3,230	317	3,420
USSR <sup>e</sup> .....	128	820	205	2,204	226	2,530	245	2,707	264	2,859	284	2,993
Eastern Europe.....	12*	103*	29*	300*	33*	337*	35*	363*	33*	375*	33*	428*
Bulgaria.....	2*	10*	12*	118*	15*	147*	16*	149*	16*	146*	16*	164*
Czechoslovakia.....	1*	13*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
East Germany.....	4*	33*	10*	94*	11*	102*	11*	102*	8*	97*	8*	132*
Poland.....	5*	47*	5*	63*	5*	63*	5*	63*	5*	63*	5*	63*
Romania.....	0*	0*	2*	25*	2*	25*	3*	49*	4*	69*	4*	69*
Far East												
Communist China.....	11	22	17	88	22	104	25	110	27	127	28	142
North Vietnam.....	0	0	0	0	0	0	1	2	1	2	2	4
Other												
Cuba <sup>e</sup> .....	2*	3*	2*	5*	2*	5*	2*	5*	2*	5*	2*	5*
Yugoslavia <sup>e</sup> .....	6*	40*	11*	64*	12*	85*	16*	98*	17*	166*	17*	228*
Other NATO Countries												
	Thousand GRT											
	1960	1965	1969	1960	1965	1969	1960	1965	1969	1960	1965	1969
Belgium.....	157*	275*	303*	Iceland.....	12*	11*	5*	Portugal.....	121*	159*	213*	
Canada.....	126*	100*	97*	Italy.....	1,587*	1,951*	2,499*	Turkey.....	77*	110*	164*	
Denmark.....	822*	972*	1,234*	Netherlands.....	1,348*	1,535*	1,897*	United Kingdom.....	6,869*	7,517*	9,176*	
France.....	1,837*	2,302*	2,986*	Norway.....	6,215*	8,312*	9,448*	West Germany.....	564*	835*	1,344*	
Greece <sup>f</sup> .....	798*	1,753*	2,601*									

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Tankers and whaling tankers of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year.

<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."

<sup>c</sup> Data are as of midyear.

<sup>d</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>e</sup> Excluding the Caspian Sea Fleet.

<sup>f</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 167

Telephones in Use <sup>a</sup>

Thousand

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES.....	108,000	140,000	149,000	157,000	167,000	N.A.
United States.....	74,342	93,656	98,789	103,752	109,256	115,000
COMMUNIST COUNTRIES <sup>b</sup>						
USSR and Eastern Europe.....	6,680	13,300	13,700	16,000	17,500	19,100
USSR <sup>c</sup> .....	2,697	7,700	7,800	9,700	10,800	12,000
Eastern Europe.....	3,980	5,560	5,900	6,280	6,730	7,140
Bulgaria.....	172	279	306	337	378	420
Czechoslovakia <sup>d</sup> .....	1,016	1,491	1,583	1,679	1,789	1,890
East Germany.....	1,292	1,659	1,724	1,780	1,898	1,980
Hungary.....	418	528	559	591	635	680
Poland.....	881	1,294	1,411	1,530	1,651	1,770
Romania <sup>d</sup> .....	201	306	331	362	378	400
Other						
Albania.....	7	11	N.A.	N.A.	N.A.	N.A.
Cuba.....	200	231	234	238	242	245
Yugoslavia.....	260	415	452	505	549	600

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium.....	1,143	1,565	1,847	Iceland.....	40	56	66	Portugal.....	395	550	653
Canada.....	5,728	7,456	8,821	Italy.....	3,861	5,981	7,752	Turkey.....	304	351	452
Denmark.....	1,072	1,364	1,517	Luxembourg.....	51	80	98	United Kingdom <sup>e</sup> .....	8,270	10,704	12,901
France.....	4,358	6,117	7,504	Netherlands.....	1,613	2,382	2,917	West Germany.....	5,994	8,802	11,249
Greece.....	222	508	762	Norway.....	740	908	1,036				

<sup>a</sup> Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

<sup>b</sup> Telephones operated by the various civil departments of post and telecommunications and, unless otherwise indicated, excluding telephones serviced by other functional ministries and the military.

<sup>c</sup> Beginning in 1965, data include telephones used by the functional ministries and exclude those used by the military.

<sup>d</sup> Telephone subscribers.

<sup>e</sup> Data are as of 31 March of the following year.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED  
CLASSIFIED MATERIAL ON THE REVERSE

## SECRET

Table 168

## Long-Distance Telephone Calls

Million Telephone Calls

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES .....	7,320*	10,900*	11,900*	12,900*	14,400*	N.A.*
United States.....	3,427.0*	4,734.0*	5,196.0*	5,602.0*	6,189.0*	6,800*
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	672*	902*	968*	1,170*	1,300*	1,420*
USSR.....	185.0*	257.0*	283.0*	314.0*	343.0*	375.0*
Eastern Europe.....	487*	645*	685*	854*	961*	1,040*
Bulgaria.....	31.7*	38.6*	40.5*	42.0*	43.5*	45.0*
Czechoslovakia.....	100.6*	121.8*	127.5*	132.8*	138.8*	143.0*
East Germany.....	167.4*	253.4*	274.1*	296.4*	320.0*	345.0*
Hungary.....	30.7*	29.7*	31.3*	33.4*	34.0*	35.5*
Poland <sup>b</sup> .....	108.8*	131.8*	137.1*	273.3*	346.8*	395.4*
Romania.....	47.8*	70.0*	74.8*	76.4*	78.0*	80.0*
Other						
Albania <sup>c</sup> .....	1.8*	2.6*	2.7*	3.3*	N.A.	N.A.
Cuba.....	8.6*	15.7	16.2	18.2*	19.5*	21.0*
Yugoslavia.....	33.2*	29.3*	25.0*	23.2*	21.3*	20.0*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium...	123.7*	197.2*	244.9*	Iceland.....	2.0* <sup>d</sup>	4.8*	7.2*	Portugal.....	62.8*	72.2*	54.1*
Canada...	227.3*	301.6*	389.7*	Italy.....	451.8*	802.8*	1,054.4*	Turkey.....	12.8*	18.8*	29.8*
Denmark..	249.2*	363.0*	428.5*	Netherlands..	456.0*	725.3*	917.4*	United Kingdom <sup>f</sup> ..	425.0*	849.0*	1,211.0*
France....	741.0*	849.5*	1,108.4*	Norway.....	52.6* <sup>e</sup>	74.2*	94.7*	West Germany....	1,075.2*	1,833.4*	2,586.6*
Greece....	11.8*	31.9*	65.8*								

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Beginning in 1967, data include long-distance calls handled by automatic exchanges.<sup>c</sup> Including local calls.<sup>d</sup> Data are for the previous year.<sup>e</sup> Data are for the year beginning 1 July of the previous year.<sup>f</sup> Data are for the year beginning 1 April of the previous year.

SECRET

Table 169

Telegrams Sent over the Domestic System <sup>a</sup>

Million

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES.....	246*	212*	203*	191*	185*	N.A.*					
United States <sup>b</sup> .....	124.3*	94.3*	92.7*	89.1*	85.6*	77.1*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	292*	333*	362*	388*	406*	424*					
USSR.....	241.0*	273.0*	300.0*	323.0*	339.0*	355.0*					
Eastern Europe.....	50.5*	60.1*	62.2*	64.6*	66.9*	69.4*					
Bulgaria.....	6.6*	7.7*	8.2*	8.8*	9.3*	9.8*					
Czechoslovakia.....	11.6*	13.0*	13.2*	13.5*	14.2*	15.0*					
East Germany.....	10.3*	11.8*	11.5*	11.4*	11.7*	11.8*					
Hungary.....	7.4*	8.9*	9.2*	9.8*	10.0*	10.3*					
Poland <sup>c</sup> .....	10.0*	12.5*	13.4*	14.3*	15.0*	15.9*					
Romania.....	4.6*	6.2*	6.7*	6.8*	6.7*	6.6*					
Far East											
North Vietnam.....	2.1	2.5	N.A.	N.A.	N.A.	N.A.					
Other											
Albania.....	1.0*	1.1*	1.0*	1.1*	1.2*	1.3*					
Cuba.....	N.A.	12.3*	13.6*	14.7*	15.6*	16.5*					
Yugoslavia.....	7.3*	9.1*	8.0*	8.2*	8.5*	8.5*					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968					
Belgium.....	3.3*	3.4*	3.0*	Iceland.....	0.3*	0.3*	0.3*	Portugal.....	2.3*	2.6*	2.8*
Canada <sup>d</sup> .....	13.2*	10.9*	8.8*	Italy <sup>f</sup> .....	35.2*	38.3*	26.6*	Turkey.....	9.9*	8.6*	10.2*
Denmark <sup>e</sup> .....	1.6*	1.7*	1.6*	Luxembourg.....	0.2*	0.2*	0.2*	United Kingdom <sup>g</sup> .....	13.6*	9.8*	7.8*
France.....	12.3*	14.1*	15.3*	Netherlands.....	2.3*	2.0*	1.5*	West Germany.....	19.5*	17.7*	13.1*
Greece.....	4.6*	5.9*	5.6*	Norway.....	3.4*	2.6*	2.4*				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Unless otherwise indicated, data are for domestic telegrams.<sup>b</sup> Including domestic transmission of transoceanic and marine messages.<sup>c</sup> Including international telegrams.<sup>d</sup> All telegrams sent by land are counted as domestic.<sup>e</sup> Including data for the Faeroe Islands and Greenland.<sup>f</sup> Data are for the year beginning 1 July of the previous year.<sup>g</sup> Data are for the year beginning 1 April of the stated year.

SECRET

149

## SECRET

Table 170

Production of Semiconductors <sup>a</sup> in the United States and Selected Communist Countries

Million Units

	1960	1965	1966	1967	1968	1969
United States.....	313.3*	1,520.4*	2,186.3*	2,065.3*	2,427.1*	3,120.5*
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	55.0	405	515	662	842	1,060
USSR.....	55.0	350.0	437.0	546.0	681.0	850.0
Eastern Europe.....	Negl.	55.3	77.8	116	160	208
Bulgaria.....	Negl.	1.5	2.0	3.0	13.5 <sup>b</sup>	15.0
Czechoslovakia.....	Negl.	8.4	11.0	20.0	22.0	30.0
East Germany.....	Negl.	24.0	40.0	55.5 <sup>b</sup>	78.0 <sup>b</sup>	99.5 <sup>b</sup>
Hungary.....	Negl.	7.7	9.6	13.7	18.0	25.0
Poland.....	Negl.	7.7	9.2	11.3	15.0	20.0
Romania.....	Negl.	6.0	6.0	12.0	14.0	18.0

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Semiconductor diodes, rectifiers, and transistors.<sup>b</sup> Plan data.

Table 171

Production of Radio Receivers <sup>a</sup>

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES <sup>b</sup> .....	30,100*	37,700*	38,000*	35,600*	40,100*	N.A.*
United States <sup>c</sup> .....	17,969*	25,731*	25,329*	23,215*	24,486*	22,383*
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	6,370*	7,520*	8,370*	8,940*	9,660*	N.A.
USSR.....	4,165*	5,160*	5,842*	6,416*	6,981*	7,300*
Eastern Europe.....	2,200*	2,360*	2,530*	2,530*	2,680*	N.A.
Bulgaria.....	157*	130*	184*	149*	139*	N.A.
Czechoslovakia.....	230*	245*	247*	222*	300*	N.A.
East Germany.....	810*	808*	901*	932*	815*	N.A.
Hungary.....	212*	230*	250*	247*	253*	234*
Poland.....	627*	624*	622*	612*	787*	892*
Romania.....	167*	323*	325*	367*	388*	428*
Far East						
Communist China.....	1,500*	1,500	N.A.	N.A.	N.A.	N.A.
Other						
Yugoslavia.....	244*	504*	369*	240*	227*	282*

## Other NATO Countries

	1960	1965	1968		1960	1965	1968		1960	1965	1968
Belgium.....	1,103*	1,240*	1,493*	France.....	2,214*	2,298*	2,605*	United Kingdom.....	2,504*	1,912*	1,736*
Canada <sup>d</sup> .....	696*	931*	2,184*	Italy.....	935*	1,195*	2,750*	West Germany.....	4,313*	4,071*	4,592*
Denmark.....	208*	208*	143*	Norway <sup>e</sup> .....	129*	126*	108* <sup>f</sup>				

\* An asterisk indicates that the data are unclassified.

<sup>a</sup> Civilian radio receivers and radio-phonograph combinations.<sup>b</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>c</sup> Data for radio-phonograph combinations are factory sales.<sup>d</sup> Factory sales.<sup>e</sup> Receiving sets for home use only.<sup>f</sup> Data are for the previous year.

SECRET

150

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 172

## Production of Television Receivers

Thousand Units

	1960	1965	1966	1967	1968	1969
<b>NATO COUNTRIES<sup>a</sup></b> .....	<b>12,400</b>	<b>18,900</b>	<b>19,700</b>	<b>17,500</b>	<b>20,400</b>	<b>N.A.</b>
United States .....	5,828	11,028	12,402	10,881	11,794	11,270
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe .....	<b>2,720</b>	<b>5,360</b>	<b>6,110</b>	<b>6,770</b>	<b>7,700</b>	<b>N.A.</b>
USSR .....	1,726	3,655	4,415	4,955	5,742	6,600
Eastern Europe .....	<b>989</b>	<b>1,700</b>	<b>1,700</b>	<b>1,810</b>	<b>1,960</b>	<b>N.A.</b>
Bulgaria .....	<i>Negl.</i>	74	90	130	153	172
Czechoslovakia .....	263	274	228	256	350	N.A.
East Germany .....	416	537	562	475	400	368
Hungary .....	139	267	298	316	339	345
Poland .....	171	452	412	495	560	600
Romania .....	<i>Negl.</i>	101	105	142	160	221
Other						
Yugoslavia .....	14	254	286	252	286	334
<b>Other NATO Countries</b>						
	1960	1965	1968			
Belgium .....	216	408	379	1960	1965	1968
Canada <sup>b</sup> .....	338	556	542	655	1,250	1,464
Denmark .....	233	109	66	728	1,042	1,500
France .....				64	106	91
Italy .....						
Norway <sup>c</sup> .....						
United Kingdom .....				2,141	1,591	1,963
West Germany .....				2,164	2,776	2,587

<sup>a</sup> Including only data for the United States and those countries listed under "Other NATO Countries."<sup>b</sup> Factory sales.<sup>c</sup> Receiving sets for home use only.



ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 173

Radio Receivers in Public Use <sup>a</sup> in the United States and Selected Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969
United States.....	168,300	242,000	262,700	282,100	300,900	325,000
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe.....	<b>44,700</b>	<b>57,400</b>	<b>59,300</b>	<b>61,500</b>	<b>64,500</b>	<b>67,300</b>
USSR.....	27,811	38,228	39,805	41,785	44,500	47,000
Eastern Europe.....	<b>16,800</b>	<b>19,200</b>	<b>19,500</b>	<b>19,700</b>	<b>20,000</b>	<b>20,300</b>
Bulgaria.....	868	1,400	1,469	1,528	1,545	1,570
Czechoslovakia <sup>b</sup> .....	3,103	3,100	3,179	3,185	3,287	3,340
East Germany <sup>b</sup> .....	5,574	5,743	5,820	5,881 <sup>c</sup>	5,942	6,000
Hungary <sup>b</sup> .....	2,224	2,484	2,485	2,479	2,514 <sup>c</sup>	2,550
Poland.....	3,796	4,537	4,519	4,505	4,588	4,650
Romania <sup>b</sup> .....	1,283	1,920	2,051	2,146	2,172	2,200
Other						
Albania.....	54	82	89	105	120	N.A.
Yugoslavia <sup>b</sup> .....	1,562	2,783	3,003	3,111	3,171	3,304

<sup>a</sup> Data are as of the end of the year and exclude wired loudspeakers.<sup>b</sup> Radio subscribers.<sup>c</sup> Excluding data for portable radio receivers.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

CONVERSION FACTORS  
AND RATES OF EXCHANGE

## ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 176  
Rates of Exchange for Currencies of the Communist Countries  
as of 1 April 1970

	Unit of Currency	Rate of Exchange			
		In Terms of US \$1		In Terms of 1 Ruble	
		Commercial Rate <sup>a</sup>	Noncommercial Rate <sup>b</sup>	Commercial Rate <sup>a</sup>	Noncommercial Rate <sup>b</sup>
USSR.....	Ruble.....	0.90	0.90		
Eastern Europe					
Bulgaria.....	Lev.....	1.17	1.99	1.3	0.78
Czechoslovakia.....	Koruna.....	7.2	14.36	8.0	9.66
East Germany.....	Deutsche Mark East.....	4.2 <sup>c</sup>	4.2	4.67 <sup>c</sup>	3.20
Hungary.....	Forint.....	11.74	30	13.04	13.11
Poland.....	Zloty.....	4	24	4.44	15.32
Romania.....	Leu.....	6	12	6.67	8.31
Far East					
Communist China.....	Yuan.....	2.00	2.46 <sup>d</sup>	2.22	1.29
North Korea.....	Won.....	1.20	2.57	1.33	1.44
North Vietnam.....	Dong.....	2.94	3.7	3.27	1.92
Other					
Albania.....	Lek.....	5	12.5	5.56	8.4
Cuba.....	Peso.....	1	1	1.11	1.11
Mongolia.....	Tugrik.....	4.0	4.5	4.44	4.18
Yugoslavia.....	Dinar.....	12.5	12.5	13.9	13.9

<sup>a</sup> Official rates unless otherwise indicated. These rates are used for converting trade statistics.

<sup>b</sup> Rates used for noncommercial transactions such as diplomatic, tourist and student expenditures, personal remittances, and the like. Some countries have special rates for tourists and personal remittances in addition to the noncommercial rate.

<sup>c</sup> The unofficial rates actually used in East German accounting of foreign trade transactions. Official rates still listed, but not used, are 2.22 DME to US \$1 and 2.47 DME to 1 ruble.

<sup>d</sup> Based on the cross rate of exchange between the yuan and the UK pound sterling.

Table 177

Cross Rates of Exchange for Currencies of the NATO Countries \*  
1969

Country: (Monetary unit):	United States (Dollar)	Bel- gium <sup>b</sup> (Franc)	Canada (Dollar)	Den- mark (Krone)	France (Franc)	Greece (Drach- ma)	Iceland (Krona)	Italy (Lira)	Nether- lands (Guilder)	Norway (Krone)	Portugal (Escudo)	Turkey (Lira)	United Kingdom (Pound)	West Ger- many (Deut- sche Mark)
One monetary unit of the currency quoted above equals the following:														
United States..... Dollar.....	1.000	0.020	0.925	0.133	0.180	0.033	0.011	0.0016	0.276	0.140	0.035	0.111	2.400	0.273
Belgium <sup>b</sup> ..... Franc.....	50.00	1.000	46.25	6.667	9.00	1.667	0.568	0.0800	13.81	7.000	1.739	5.556	120.0	13.66
Canada..... Dollar.....	1.081	0.022	1.000	0.144	0.195	0.036	0.012	0.0017	0.299	0.151	0.038	0.120	2.595	0.295
Denmark..... Krone.....	7.500	0.150	6.938	1.000	1.350	0.250	0.085	0.0120	2.072	1.050	0.261	0.833	18.00	2.049
France..... Franc.....	5.554	0.111	5.138	0.741	1.000	0.185	0.063	0.0089	1.534	0.778	0.193	0.617	13.33	1.518
Greece..... Drachma.....	30.00	0.600	27.75	4.000	5.401	1.000	0.341	0.0480	8.287	4.200	1.043	3.333	72.00	8.197
Iceland..... Krona.....	88.00	1.760	81.40	11.733	15.84	2.933	1.000	0.1408	24.31	12.320	3.061	9.778	211.2	24.04
Italy..... Lira.....	625.0	12.50	578.1	83.33	112.5	20.83	7.10	1.000	172.7	87.50	21.74	69.44	1,500	170.8
Netherlands..... Guilder.....	3.620	0.072	3.349	0.483	0.652	0.121	0.041	0.0058	1.000	0.507	0.126	0.402	8.69	0.989
Norway..... Krone.....	7.143	0.143	6.607	0.952	1.286	0.238	0.081	0.0114	1.973	1.000	0.248	0.794	17.14	1.952
Portugal..... Escudo.....	28.75	0.575	26.59	3.833	5.176	0.958	0.327	0.0460	7.942	4.025	1.000	3.194	69.00	7.855
Turkey..... Lira.....	9.000	0.180	8.325	1.200	1.620	0.300	0.102	0.0144	2.486	1.260	0.313	1.000	21.60	2.459
United Kingdom..... Pound.....	0.417	0.008	0.385	0.056	0.075	0.014	0.005	0.0007	0.115	0.058	0.014	0.046	1.000	0.114
West Germany..... Deutsche Mark..	3.660	0.073	3.386	0.488	0.659	0.122	0.042	0.0059	1.011	0.512	0.127	0.407	8.78	1.000

\* Par values as declared to the International Monetary Fund. Data are as of 15 April 1970.

<sup>b</sup> The rates of exchange for Luxembourg are the same as those for Belgium.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

## SECRET

## INDEX

<i>Page</i>	<i>Page</i>		
Academic, technical, and military trainees to Communist countries . . . . .	70-71	Aid, Soviet and US economic, to less developed countries . . . . .	<i>preceding page</i> 57
Acetate and rayon fabrics . . . . .	107	Aid, Soviet economic and military, by area . . . . .	<i>preceding page</i> 59
Acid, sulfuric . . . . .	73	Aid, Soviet economic and military, to less developed countries, net flows . . . . .	<i>preceding page</i> 61
Aggregate factor productivity in the USSR . . . . .	<i>preceding page</i> 3	Aid, Soviet economic, extended to less developed countries and Communist countries . . . . .	<i>preceding page</i> 57
Agricultural and industrial factor productivity in the USSR . . . . .	<i>preceding page</i> 5	Aid, Soviet military, to North Vietnam . . . . .	57
Agricultural and industrial production . . . . .	4-6	Aid, US and Soviet economic, by recipient . . . . .	<i>preceding page</i> 57
Agricultural equipment . . . . .	126	Aircraft and guided missile systems, Communist, to less developed countries . . . . .	68
Agricultural inputs and output, US and USSR . . . . .	<i>preceding page</i> 113	Aircraft, civil, inventory of . . . . .	141
Agricultural investment, US and USSR . . . . .	<i>preceding page</i> 113	Aircraft, military, production of . . . . .	18
Agricultural labor force . . . . .	21	Airfreight traffic . . . . .	133
Agricultural labor force, US and USSR . . . . .	<i>preceding page</i> 113	Air passenger traffic . . . . .	132
Agricultural production indexes, Eastern Europe . . . . .	5	Albania, selected economic data . . . . .	41
Agricultural production indexes, US and USSR . . . . .	<i>preceding pages</i> 5, 113	Aluminum, primary . . . . .	99
Agriculture . . . . .	113-126	Ammonia, synthetic . . . . .	74
Aid . . . . .	57-72	Automobiles in use . . . . .	12
Aid, Chinese Communist economic and military, by area . . . . .	<i>preceding page</i> 59	Automobiles, passenger, production of . . . . .	139
Aid, Chinese Communist military, to North Vietnam . . . . .	58	Balance of payments, Soviet . . . . .	<i>preceding page</i> 11
Aid, Communist economic and military, by area . . . . .	<i>preceding page</i> 59	Bauxite . . . . .	100
Aid, Communist economic and military, by recipient and donor . . . . .	62	Breadgrain . . . . .	114
Aid, Communist economic and military, to North Vietnam . . . . .	<i>preceding page</i> 57	Brown coal and lignite . . . . .	81
Aid, Communist economic, by recipient and donor . . . . .	64	Budget, state, USSR . . . . .	7
Aid, Communist economic, extensions and drawings . . . . .	59	Bulgaria, selected economic data . . . . .	32
Aid, Communist military, by recipient and donor . . . . .	66	Buses and trucks, production of . . . . .	140
Aid, Communist military, extensions and drawings . . . . .	60	Calls, telephone, long-distance . . . . .	148
Aid, Communist, to less developed countries . . . . .	59-72	Canada, land mass, population, and GNP . . . . .	<i>frontispiece</i>
Aid, Communist, to North Vietnam . . . . .	57-58	Capacities of selected ports . . . . .	<i>preceding page</i> 19
		Capital, fixed, Soviet stocks . . . . .	9
		Cargo ships, maritime, construction of . . . . .	134
		Cars, railroad freight, inventory of . . . . .	143
		Cars, railroad freight, production of . . . . .	138
		Cattle, inventory of . . . . .	122

## SECRET

	<i>Page</i>		<i>Page</i>
Caustic soda .....	75	Communist countries, trade turnover .....	47
Cement .....	112	Communist countries, trade with Free World .....	49
Chemical equipment imports, USSR .....	53	Communist economic aid to less developed countries .....	59-72
Chemicals .....	73-77	Communist economic aid to less developed countries, by recipient and donor .....	64
Chinese Communist economic and military aid to less developed countries, extensions and drawings, by area .....	<i>preceding page</i> 59	Communist economic aid to less developed countries, extensions and drawings .....	59
Chinese Communist military aid to North Vietnam .....	58	Communist economic and military aid to less developed countries .....	59-72
Chromite .....	94	Communist economic and military aid to less developed countries, by recipient and donor .....	62
Civil aircraft, inventory of .....	141	Communist economic and military aid to less developed countries, extensions and drawings, by area .....	<i>preceding page</i> 59
Civilian trucks, inventory of .....	144	Communist economic and military aid to North Vietnam .....	<i>preceding page</i> 57
Coal, brown, and lignite .....	81	Communist economic and military technicians in less developed countries .....	72
Coal, hard .....	80	Communist land armaments and naval ships to less developed countries, by recipient .....	67
Coarse grain .....	115	Communist military aid to less developed countries .....	59-72
Cobalt .....	95	Communist military aid to less developed countries, by recipient and donor .....	66
Coke, metallurgical .....	82	Communist military aid to less developed countries, extensions and drawings .....	60
Combines, grain .....	126	Communist military and economic aid to North Vietnam .....	<i>preceding page</i> 57
Commercial vehicles, production of .....	140	Communist military equipment to less developed countries .....	67-69
Communications .....	147-153	Comparative performance and plan data .....	11-13
Communications equipment, inventory of .....	147, 152-153	Computers, digital .....	111
Communications equipment, production of .....	150-151	Construction .....	111-112
Communist aid to less developed countries .....	59-72	Construction, total housing .....	111
Communist aid to North Vietnam .....	57-58	Consumer goods .....	105-107
Communist aircraft and guided missile systems to less developed countries .....	68	Consumer goods, producers' goods, and construction .....	105-112
Communist China, exports .....	55	Consumption, factors of, US and USSR .....	12
Communist China, foreign trade .....	54-56	Conversion factors .....	154
Communist China, imports .....	56	Copper, refined .....	98
Communist China, land mass .....	<i>frontispiece</i>	Cotton fabrics .....	105
Communist China, selected economic data .....	38	Cotton, ginned .....	124
Communist countries, academic students in .....	70	Country tables, economic data .....	22-44
Communist countries, academic, technical, and military trainees in .....	70-71	Credits, Western, to USSR, drawings and repayments on .....	10
Communist countries and the United States, military aircraft production .....	18	Crops, food .....	113-117
Communist countries, direction of foreign trade .....	<i>preceding page</i> 45	Cross rates of exchange, NATO countries .....	156
Communist countries, exchange rates .....	155	Crude oil .....	83
Communist countries, indexes of gross industrial production .....	6	Crude steel .....	88
Communist countries and less developed countries, Soviet economic aid extended to .....	<i>preceding page</i> 57		
Communist countries, military trainees in .....	70-71		
Communist countries, naval ship construction .....	17		
Communist countries, students in .....	70		
Communist countries, technical trainees in .....	70		
Communist countries, trade among .....	48		

SECRET

	<i>Page</i>		<i>Page</i>
Cuba, land mass	<i>frontispiece</i>	Economic and military aid, Communist, to North Vietnam	<i>preceding page</i> 57
Cuba, selected economic data	42	Economic and military aid, Soviet, to less developed countries, extensions and drawings, by area	<i>preceding page</i> 59
Currency, foreign, rates of exchange	155-156	Economic and military aid, Soviet, to less developed countries, net flows	<i>preceding page</i> 61
Currency, hard, balance of payments, Soviet	<i>preceding page</i> 11	Economic and military indicators	1-18
Czechoslovakia, selected economic data	33	Economic and military technicians, Communist, in less developed countries	72
Defense expenditures, US and USSR, by mission	14	Economic data, Albania	41
Defense and space expenditures, USSR	14-16	Economic data, Bulgaria	32
Defense budget, USSR	<i>preceding page</i> 15	Economic data, Communist China	38
Deliveries, Communist, of aircraft and guided missile systems to less developed countries	68	Economic data, Cuba	42
Deliveries, Communist, of land armaments and naval ships to less developed countries	67	Economic data, Czechoslovakia	33
Deliveries, Communist, of military equipment to less developed countries	67-69	Economic data, East Germany	34
Diesel locomotives, production of	137	Economic data, Eastern Europe	31
Digital computers	111	Economic data, European NATO	23
Domestic telegrams	149	Economic data, France	24
Domestic transport performance, US and USSR	<i>preceding page</i> 127	Economic data, Hungary	35
Drawings on Western credits to USSR	10	Economic data, India	28
Eastern Europe and USSR, trade with US	45	Economic data, Italy	25
Eastern Europe, indexes of agricultural production, by country	5	Economic data, Japan	29
Eastern Europe, land mass	<i>frontispiece</i>	Economic data, Mongolia	43
Eastern Europe, selected economic data	31	Economic data, North Korea	39
East Germany, selected economic data	34	Economic data, North Vietnam	40
Economic aid, Communist, to less developed countries of the Free World	59-72	Economic data, Poland	36
Economic aid, Communist, to less developed countries, by recipient and donor	64	Economic data, Romania	37
Economic aid, Communist, to less developed countries, extensions and drawings	59	Economic data, United Kingdom	26
Economic aid, Soviet, extended to less developed countries and Communist countries	<i>preceding page</i> 57	Economic data, United States	22
Economic aid, US and Soviet, to less developed countries	<i>preceding page</i> 57	Economic data, US and USSR	11-12
Economic and military aid	57-72	Economic data, USSR	30
Economic and military aid, Chinese Communist, to less developed countries, extensions and drawings, by area	<i>preceding page</i> 59	Economic data, West Germany	27
Economic and military aid, Communist, to less developed countries, by recipient and donor	62	Economic data, Yugoslavia	44
Economic and military aid, Communist, to less developed countries, extensions and drawings, by area	<i>preceding page</i> 59	Economic indicators	1-13
		Economic plan, USSR, for 1970	13
		Economic profile, 1969	<i>frontispiece</i>
		Electric generating capacity, installed	87
		Electric generators	110
		Electric locomotives, production of	137
		Electric motors	109
		Electric power	86-87
		Energy, primary	79
		Equipment, agricultural, production of	126
		Equipment, chemical, imports, USSR	53
		Equipment, communications, inventory of	147, 152-153
		Equipment, communications, production of	150-151
		Equipment and expenditures, military	14-18

SECRET

159

## SECRET

	<i>Page</i>		<i>Page</i>
Equipment, metallurgical .....	109	Foreign trade, direction of, Communist coun-tries .....	<i>preceding page</i> 45
Equipment, power .....	110	Foreign trade, USSR .....	50-52
Equipment, transportation, inventory of ..	141-146	France, selected economic data .....	24
Equipment, transportation, production of ..	134-140	Free World, Communist aid to .....	59-72
European NATO land mass .....	<i>frontispiece</i>	Free World, Communist trade with .....	49
European NATO, selected economic data .....	23	Freight cars, railroad, inventory of .....	143
Europe, Eastern, selected economic data .....	31	Freight cars, railroad, production of .....	138
Exchange rates, Communist countries .....	155	Freight traffic, air .....	133
Exchange rates, NATO countries .....	156	Freight traffic, inland water .....	130-131
Expenditures, defense, US and USSR, by mis- sion .....	14	Freight traffic, motor vehicle .....	129
Expenditures, military, USSR .....	14-18	Freight traffic, ocean .....	132
Expenditures, space, USSR .....	14-16	Freight traffic, railroad .....	127-128
Exports, Communist China .....	55	Fuels .....	79-85
Exports, USSR .....	51	Fuels and power .....	79-87
Exports, USSR, petroleum .....	53		
Exports, world .....	45	Gas, natural .....	85
		Generating capacity, electric, installed .....	87
Fabrics, cotton .....	105	Generators, electric .....	110
Fabrics, rayon and acetate .....	107	Ginned cotton .....	124
Fabrics, woolen .....	106	Gold .....	97
Factor productivity in the USSR, aggre- gate .....	<i>preceding page</i> 3	Gold, USSR .....	<i>preceding page</i> 11
Factor productivity in the USSR, industrial and agricultural .....	<i>preceding page</i> 5	Grain .....	113-116
Factors, conversion .....	154	Grain as a selected output ..	<i>preceding page</i> 113
Factors of consumption, US and USSR .....	12	Grain, coarse .....	115
Farm labor force, US and USSR .....	<i>preceding page</i> 113	Grain combines .....	126
Ferrous and ferroalloying ores and metals ..	88-96	Gross fixed investment, USSR .....	8
Fertilizer, mineral .....	76-77	Gross industrial production indexes, Commu- nist countries .....	6
Fertilizer, mineral, as an input to agriculture .....	<i>preceding page</i> 113	Gross industrial production indexes, USSR ...	6
Fertilizer, mineral, nutrient content .....	76	Gross national product .....	1-3
Fertilizer, mineral, nutrient content, as an input to agriculture .....	<i>preceding page</i> 113	Gross national product, by end use, US and USSR .....	2
Fibers, selected .....	124-125	Gross national product, Canada, Communist China, Cuba, Eastern Europe, European NATO, India, Japan, North Korea, North Vietnam, the United States, and the USSR .....	<i>frontispiece</i>
Fibers, synthetic .....	107	Gross national product, US and USSR .....	<i>preceding page</i> 1
Finance and investment data, USSR .....	7-10	Gross national product per capita, selected countries .....	<i>preceding page</i> 3
Fish catch .....	121	Gross national product, percentage distribu- tion, by end use, USSR .....	3
Fishing ships, construction of .....	135	Guided missile systems and aircraft, Commu- nist, to less developed countries .....	68
Fixed capital, Soviet stocks .....	9		
Fixed investment, gross, USSR .....	8	Hard coal .....	80
Fleet, merchant, inventory of .....	145	Hard currency balance of payments, Soviet .....	<i>preceding page</i> 11
Fleet, tanker, inventory of .....	146		
Food crops .....	113-117		
Foods, processed .....	118-120		
Footwear .....	105		
Foreign trade .....	45-56		
Foreign trade, Communist China .....	54-56		



## SECRET

	<i>Page</i>		<i>Page</i>
Hogs, inventory of .....	123	Less developed countries, Communist deliveries of military equipment to .....	67-69
Housing construction .....	111	Less developed countries, Communist land ar- maments and naval ships to .....	67
Hungary, selected economic data .....	35	Lignite and brown coal .....	81
Hydroelectric power .....	86	Livestock, inventory of .....	122-123
Imports, Communist China .....	56	Locomotives, diesel, production of .....	137
Imports, USSR .....	52	Locomotives, electric, production of .....	137
Imports, USSR, chemical equipment .....	53	Locomotives, inventory of .....	142
India, land mass .....	<i>frontispiece</i>	Locomotives, mainline, production of .....	136
India, selected economic data .....	28	Locomotives, production of .....	136
Industrial and agricultural factor productivity in the USSR .....	<i>preceding page</i>	Long-distance telephone calls .....	148
Industrial and agricultural production .....	4-6	Machine tools, metalcutting .....	108
Industrial and agricultural production indexes, US and USSR .....	<i>preceding page</i>	Machine tools, metalforming .....	108
Industrial production indexes .....	4	Magnesium, primary .....	104
Industrial production indexes, gross, Commu- nist countries .....	6	Mainline diesel locomotives, production of ..	137
Industrial production, rates of growth, by branch, USSR .....	5	Mainline electric locomotives, production of ..	137
Industrial products and raw materials .....	73-104	Mainline locomotives, inventory of .....	142
Inland water freight traffic .....	130-131	Mainline locomotives, production of .....	136
Installed electric generating capacity .....	87	Manganese ore .....	92
Investment and finance data, USSR .....	7-10	Maritime cargo ships, construction of .....	134
Investment, gross fixed, USSR .....	8	Maritime tankers, construction of .....	135
Iron ore .....	91	Meat .....	118
Iron, pig .....	90	Merchant fleet, inventory of .....	145
Italy, selected economic data .....	25	Metalcutting machine tools .....	108
Japan, land mass .....	<i>frontispiece</i>	Metalforming machine tools .....	108
Japan, selected economic data .....	29	Metallurgical coke .....	82
Labor force .....	20	Metallurgical equipment .....	109
Labor force, agricultural .....	21	Metals, ferrous and ferroalloying .....	88-96
Labor force, nonagricultural .....	20	Metals, nonferrous .....	97-104
Land armaments and naval ships, Communist, to less developed countries .....	67	Military, academic, and technical trainees to Communist countries .....	70
Land mass, Canada, Communist China, Cuba, Eastern Europe, European NATO, India, Japan, North Korea, North Vietnam, the United States, and the USSR .....	<i>frontispiece</i>	Military aid, Chinese Communist, to North Vietnam .....	58
Lead, smelter .....	101	Military aid, Communist, to less developed countries .....	59-72
Less developed countries, Communist land armaments and naval ships to .....	67	Military aid, Communist, to North Vietnam .....	<i>preceding page</i>
Less developed countries and Communist countries, Soviet economic aid extended to .....	<i>preceding page</i>	Military aid, Soviet, to North Vietnam .....	57
Less developed countries, Communist aid to	59-72	Military aircraft, production of .....	18
Less developed countries, Communist aircraft and guided missile systems to .....	68	Military and economic aid .....	57-72
		Military and economic aid, Communist, to North Vietnam .....	<i>preceding page</i>
		Military and economic technicians, Commu- nist, in less developed countries .....	72
		Military equipment, Communist, to less de- veloped countries .....	67-69
		Military expenditures and equipment .....	14-18
		Military expenditures, USSR .....	14-18

## SECRET

	<i>Page</i>		<i>Page</i>
Military expenditures, USSR, by mission . . . . .	14-15	Ore, manganese . . . . .	92
Military capacities of selected		Ores and metals, ferrous and ferroalloying . . . . .	88-96
ports . . . . .	<i>preceding page</i> 19	Ores and metals, nonferrous . . . . .	97-104
Military trainees to Communist countries . . . . .	70-71	Ore, tungsten . . . . .	96
Milk . . . . .	119	Passenger automobiles in use . . . . .	12
Mineral fertilizer . . . . .	76-77	Passenger automobiles, production of . . . . .	139
Mineral fertilizer as an input to		Passenger traffic, air . . . . .	132
agriculture . . . . .	<i>preceding page</i> 113	Persons supplied per farm worker . . . . .	12
Mineral fertilizer, nutrient content . . . . .	76	Petroleum exports, USSR . . . . .	53
Mineral fertilizer, nutrient content, as an input		Petroleum pipeline transportation . . . . .	133
to agriculture . . . . .	<i>preceding page</i> 113	Petroleum products . . . . .	84
Minerals and metals . . . . .	88-104	Pig iron . . . . .	90
Molybdenum . . . . .	95	Pipeline transportation, petroleum . . . . .	133
Mongolia, selected economic data . . . . .	43	Plan data and comparative performance . . . . .	11-13
Motors, electric . . . . .	109	Plan, economic, USSR, for 1970 . . . . .	13
Motor vehicle freight traffic . . . . .	129	Plastics . . . . .	77
National product, gross . . . . .	1-3	Poland, selected economic data . . . . .	36
NATO countries, exchange rates . . . . .	156	Population . . . . .	19
NATO countries, GNP . . . . .	1	Population and country tables . . . . .	19-44
NATO, European, land mass . . . . .	<i>frontispiece</i>	Population, Canada, Communist China, Cuba,	
NATO, European, selected economic data . . . . .	23	Eastern Europe, European NATO, India,	
Natural gas . . . . .	85	Japan, North Korea, North Vietnam, the	
Natural rubber . . . . .	77	United States, and the USSR . . . . .	<i>frontispiece</i>
Naval ships and land armaments, Communist,		Ports, capacities of . . . . .	<i>preceding page</i> 19
to less developed countries . . . . .	67	Potatoes . . . . .	117
Naval ships, construction of, Communist coun-		Power, electric . . . . .	86-87
tries . . . . .	17	Power equipment . . . . .	110
Net flows of Soviet military and economic aid		Power, hydroelectric . . . . .	86
to the less developed countries of the Free		Primary aluminum . . . . .	99
World . . . . .	<i>preceding page</i> 61	Primary energy . . . . .	79
Net flows of Soviet productive resources to less		Primary magnesium . . . . .	104
developed countries of the Free World . . . . .	61	Primary tin metal . . . . .	103
Nickel, refined . . . . .	93	Processed foods and fish catch . . . . .	118-121
Nonagricultural labor force . . . . .	20	Producers' goods . . . . .	108-111
Nonferrous ores and metals . . . . .	97-104	Productive resources, Soviet, to less developed	
North Korea, land mass . . . . .	<i>frontispiece</i>	countries, net flows . . . . .	61
North Korea, selected economic data . . . . .	39	Productivity, aggregate factor, in the	
North Vietnam, Chinese Communist military		USSR . . . . .	<i>preceding page</i> 3
aid to . . . . .	58	Productivity, factor, industrial and agricultural,	
North Vietnam, Communist aid to . . . . .	57-58	in the USSR . . . . .	<i>preceding page</i> 5
North Vietnam, Communist economic and mili-		Radio receivers in use . . . . .	152
tary aid to . . . . .	<i>preceding page</i> 57	Radio receivers, production of . . . . .	150
North Vietnam, land mass . . . . .	<i>frontispiece</i>	Railroad freight cars, inventory of . . . . .	143
North Vietnam, selected economic data . . . . .	40	Railroad freight cars, production of . . . . .	138
North Vietnam, Soviet military aid to . . . . .	57	Railroad freight traffic . . . . .	127-128
Ocean freight traffic . . . . .	132	Rates of exchange, Communist countries . . . . .	155
Oil, crude . . . . .	83	Rates of exchange, NATO countries . . . . .	156
Ore, iron . . . . .	91	Raw materials and industrial products . . . . .	73-104

## SECRET

	<i>Page</i>		<i>Page</i>
Rayon and acetate fabrics	107	Soviet investment and finance data	7-10
Receivers, radio, in use	152	Soviet military aid to North Vietnam	57
Receivers, radio, production of	150	Soviet productive resources to less developed countries, net flows	61
Receivers, television, in use	153	Soviet stocks of fixed capital	9
Receivers, television, production of	151	Space expenditures, USSR	14-16
Refined copper	98	Space systems expenditures, by category of expenditures, USSR	16
Refined nickel	93	Space systems expenditures, by major mission, USSR	15
Refined zinc	102	Space systems expenditures, USSR	<i>preceding page</i> 15
Refrigerators	12	Sponge, titanium	104
Repayments, scheduled, on Western credits to USSR	10	State budget, USSR	7
Rice	116	Steel, crude	88
Rolled steel	89	Steel, rolled	89
Romania, selected economic data	37	Stocks of fixed capital, Soviet	9
Rubber and rubber products	77-78	Students from less developed countries in Communist countries	70
Rubber, natural	77	Sugar	120
Rubber, synthetic	78	Sulfuric acid	73
Rubber tires	78	Synthetic ammonia	74
		Synthetic fibers	107
		Synthetic rubber	78
Ships, fishing, construction of	135	Tanker fleet, inventory of	146
Ships, maritime cargo, construction of	134	Tankers, maritime, construction of	135
Ships, naval, construction of, Communist countries	17	Technical, academic, and military trainees to Communist countries	70-71
Shoes	105	Technicians, Communist, economic and military, in less developed countries	72
Smelter lead	101	Telegrams, domestic	149
Soda, caustic	75	Telephone calls, long-distance	148
Soviet and US economic aid to less developed countries	<i>preceding page</i> 57	Telephones in use	147
Soviet budget	7	Television receivers in use	153
Soviet economic and military aid to less developed countries, extensions and drawings, by area	<i>preceding page</i> 59	Television receivers, production of	151
Soviet economic and military aid to less developed countries, net flows	<i>preceding page</i> 61	Tin metal, primary	103
Soviet economic aid extended to less developed countries and Communist countries	<i>preceding page</i> 57	Tires, rubber	78
Soviet economic plan for 1970	13	Titanium sponge	104
Soviet expenditures for defense and space	<i>preceding page</i> 15	Tools, metalcutting machine	108
Soviet expenditures for defense and space, by category of expenditures	16	Tools, metalforming machine	108
Soviet expenditures for defense and space, by major mission	15	Tractors	126
Soviet exports, by commodity	51	Tractors as an input to agriculture	<i>preceding page</i> 113
Soviet gross fixed investment	8	Trade among Communist countries	48
Soviet gross national product, by end use	3	Trade, commodity composition, US with USSR	46
Soviet hard currency balance of payments	<i>preceding page</i> 11	Trade, Communist China	54-56
Soviet imports of chemical equipment	53	Trade, Communist countries, direction	<i>preceding page</i> 45
		Trade, Communist countries with Free World	49

## SECRET

	<i>Page</i>		<i>Page</i>
Trade, foreign	45-56	USSR and US, indexes of industrial and agricultural production	<i>preceding page</i> 5
Trade turnover, Communist countries	47	USSR and US, production of military aircraft	18
Trade, US and USSR, commodity composition	46	USSR and US, trade, by commodity	46
Trade, USSR	50-53	USSR, chemical equipment imports	53
Trade, USSR, chemical equipment imports	53	USSR, defense and space expenditures	14-16
Trade, USSR, petroleum exports	53	USSR, drawings and scheduled repayments on Western credits to	10
Trade, US, with USSR and Eastern Europe	45	USSR, economic and military aid to less developed countries	<i>preceding page</i> 59
Trade, US, with USSR, by commodity	46	USSR, exports	51
Traffic, airfreight	133	USSR, exports of petroleum	53
Traffic, air passenger	132	USSR, foreign trade	50
Traffic, inland water freight	130-131	USSR, gold	<i>preceding page</i> 11
Traffic, motor vehicle freight	129	USSR, gross fixed investment	8
Traffic, ocean freight	132	USSR, gross industrial production indexes	6
Traffic, railroad freight	127-128	USSR, industrial and agricultural factor productivity	<i>preceding page</i> 5
Trainees in Communist countries	70	USSR, hard currency balance of payments	<i>preceding page</i> 11
Transportation and communications	127-153	USSR, imports	52
Transportation equipment, inventory of	141-146	USSR, imports of chemical equipment	53
Transportation equipment, production of	134-140	USSR, industrial production indexes	4, 6
Transportation, petroleum pipeline	133	USSR, industrial production, rates of growth, by branch	5
Transport, domestic, US and USSR	<i>preceding page</i> 127	USSR, investment and finance data	7-10
Trucks and buses, production of	140	USSR, land mass	<i>frontispiece</i>
Trucks, civilian, inventory of	144	USSR, military aid to North Vietnam	57
Tungsten ore	96	USSR, military expenditures	14-18
Turbines	110	USSR, petroleum exports	53
United Kingdom, selected economic data	26	USSR, plan for 1970	13
US and Soviet economic aid to less developed countries	<i>preceding page</i> 57	USSR, selected economic data	30
United States, land mass	<i>frontispiece</i>	USSR, state budget	7
United States, selected economic data	22	USSR, trade	50-53
USSR, aggregate factor productivity	<i>preceding page</i> 3	USSR, Western credits to	10
USSR, agricultural and industrial factor productivity	<i>preceding page</i> 5	Vehicles, commercial, production of	140
USSR and Eastern Europe, trade with US	45	Vehicles, motor, production of	139-140
USSR and US, agricultural inputs and output	<i>preceding page</i> 113	Washing machines	12
USSR and US, agricultural investment	<i>preceding page</i> 113	Western credits to USSR, drawings and scheduled repayments on	10
USSR and US, agricultural production indexes	<i>preceding pages</i> 5, 113	West Germany, selected economic data	27
USSR and US, GNP	<i>preceding page</i> 1	Wool	125
USSR and US, defense expenditures, by major mission	14	Woolen fabrics	106
USSR and US, domestic transport	<i>preceding page</i> 127	World exports	45
USSR and US, economic data	11-12	Yugoslavia, selected economic data	44
USSR and US, factors of consumption	12	Zinc, refined	102
USSR and US, GNP, by end use	2		

**Secret**



25X1

**Secret**