

CIA ER H 70-1

SECRET/NFD - ECONOMIC INTELLIGENCE STATISTICAL HANDBOOK 1970

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

JULY 1970

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DIRECTORATE OF
INTELLIGENCE

Economic Intelligence Statistical Handbook 1970

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ER H 70-1
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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.

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EUROPEAN NATO

LAND MASS: 2,878,000
square kilometers
INHABITANTS: 304.7 million
GNP: US \$ 660 billion

CANADA

LAND MASS: 9,973,000
square kilometers
INHABITANTS: 21.1 million
GNP: US \$ 69 billion

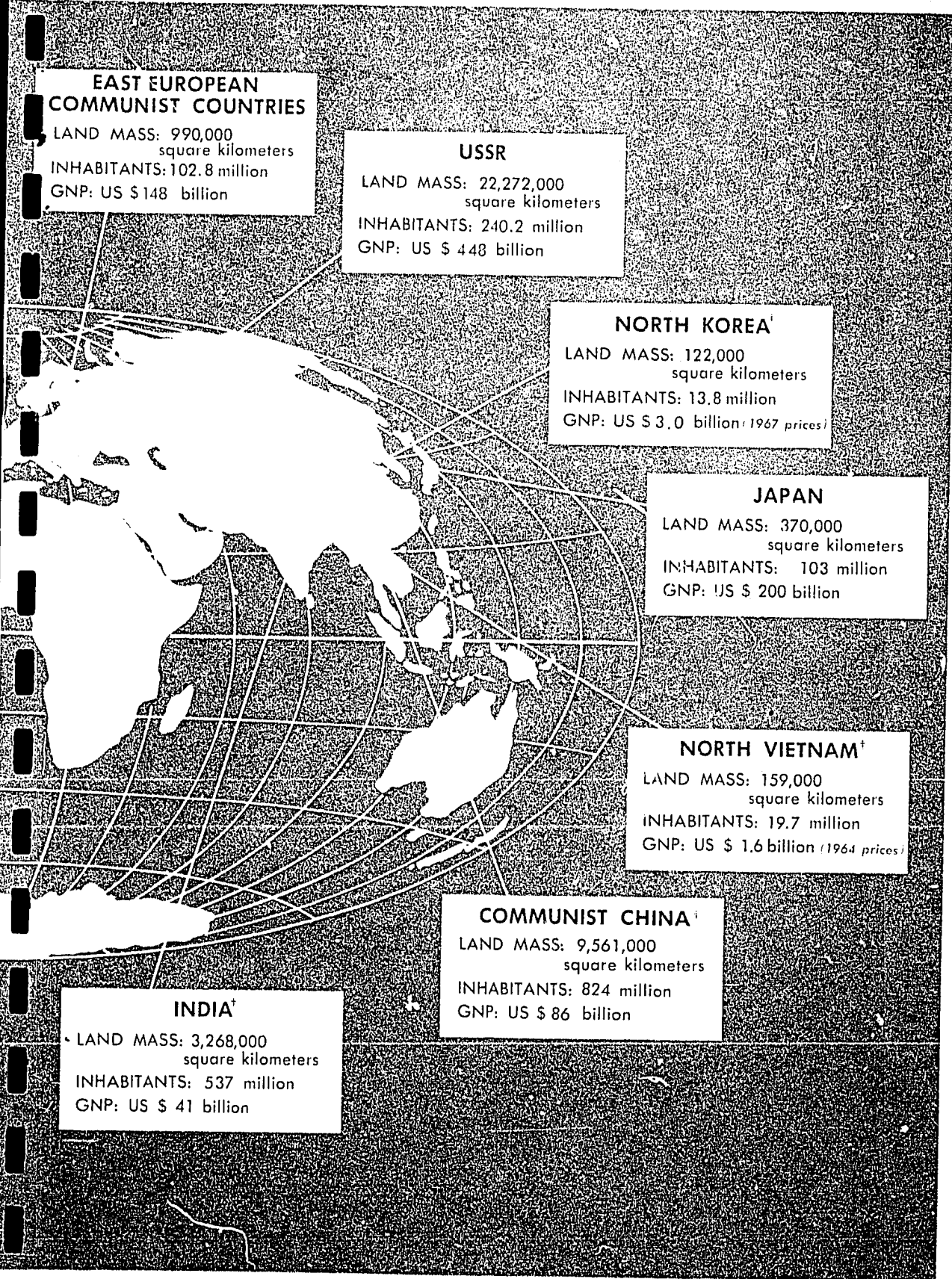
UNITED STATES

LAND MASS: 9,363,000
square kilometers
INHABITANTS: 203.2 million
GNP: US \$ 890 billion

CUBA

LAND MASS: 115,000
square kilometers
INHABITANTS: 7.7 million
GNP: US \$ 3.0 billion 1957 prices

NOTE: The data for gross national product (GNP) are for 1969 (in 1968 prices) converted to US purchasing power equivalents, except for Canada, India, Cuba, Communist China, North Vietnam, and North Korea. Data for Canada (in 1968 prices) are GNP converted at the par value exchange rate of 1.081 Canadian dollars to US \$1. Data for India (in 1968 prices) are GNP converted at the par value exchange rate of 7.5 rupees to US \$1. Data for Cuba (in 1957 prices) are GNP for 1968 converted to US dollars using prevailing exchange rates. Data for Cuba are given in 1957 prices to minimize the inflationary effects during the last several years. Data for GNP for Communist China are for 1966 and for North Vietnam (in 1964 prices) for 1964. Data for North Korea (in 1967 prices) are for GNP for 1966 and are converted at the exchange rate of 1.2 won to US \$1. All data on inhabitants are for midyear 1969 and data on land mass are for the latest year available.



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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 overall classification of the *Handbook* is SECRET/NO FOREIGN DISSEM. 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

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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.

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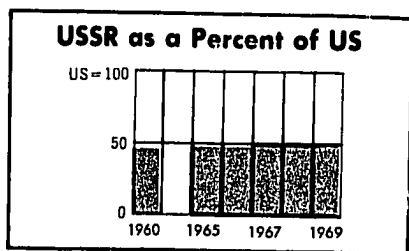
**ECONOMIC AND
MILITARY INDICATORS**
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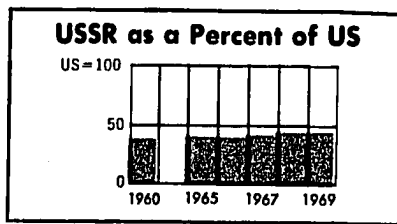
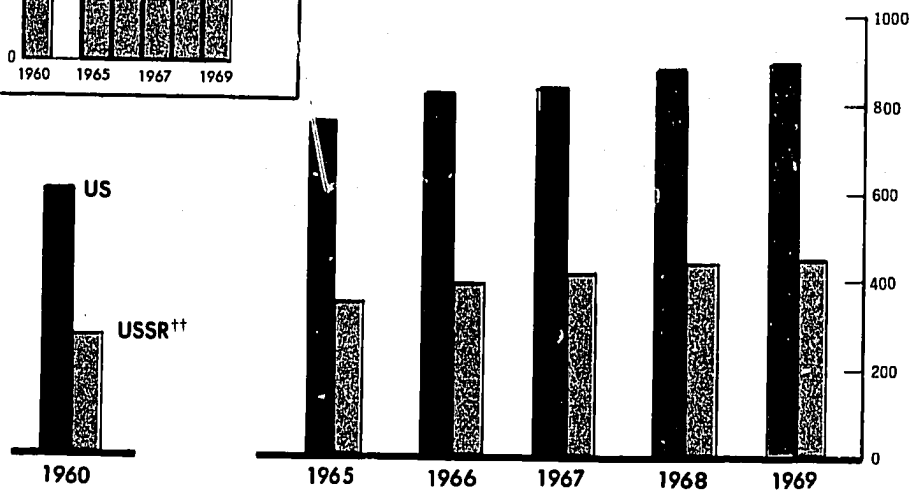
Figure 1

GROSS NATIONAL PRODUCT[†] IN THE US AND THE USSR

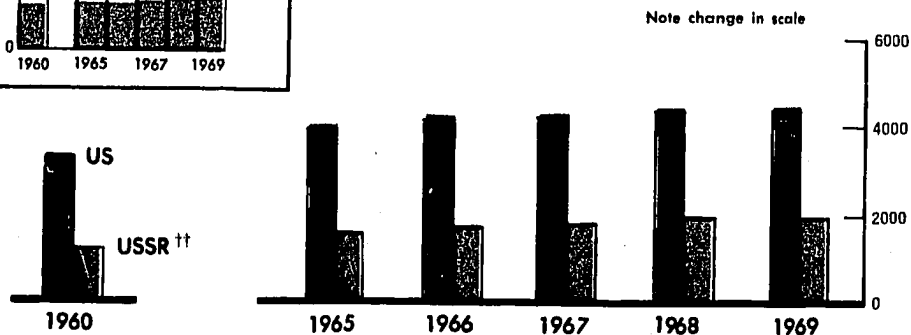
		1960	1965	1966	1967	1968	1969
GNP (Billion 1968 US \$)	US	596.1	755.1	805.4	824.9	865.7	890.3
	USSR ^{††}	272.0	360.2	384.6	410.2	434.1	448.0
	Difference	324.1	394.9	420.8	414.7	431.6	442.3
GNP (USSR as a Percent of US)		46	48	48	50	50	50
GNP Per Capita (1968 US \$)	US	3300	3880	4090	4140	4300	4380
	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.

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Table 1

Estimated Gross National Product at Market Prices

	Billion 1968 US \$ (Converted at US Purchasing Power Equivalent ^a)						Average Annual Rate of Growth ^b (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 ^c	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 ^d	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.

^a 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.

^b The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

^c Converted at the exchange rate of 1.081 Canadian dollars to US \$1.

^d Including data for West Berlin, for which separate data are not available.

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Table 2

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

	Billion 1968 US \$ ^a		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 ^b	50

* An asterisk indicates that the data are unclassified.

^a 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.)

^b 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.

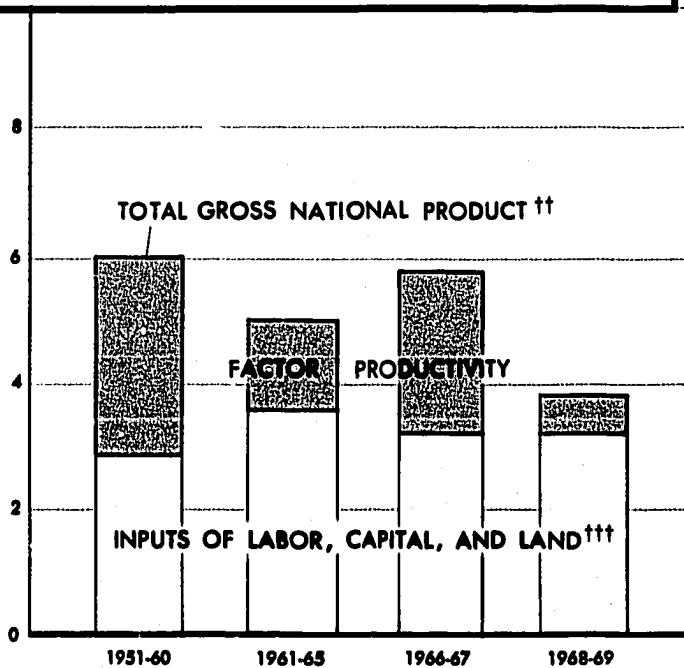
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Figure 2

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.

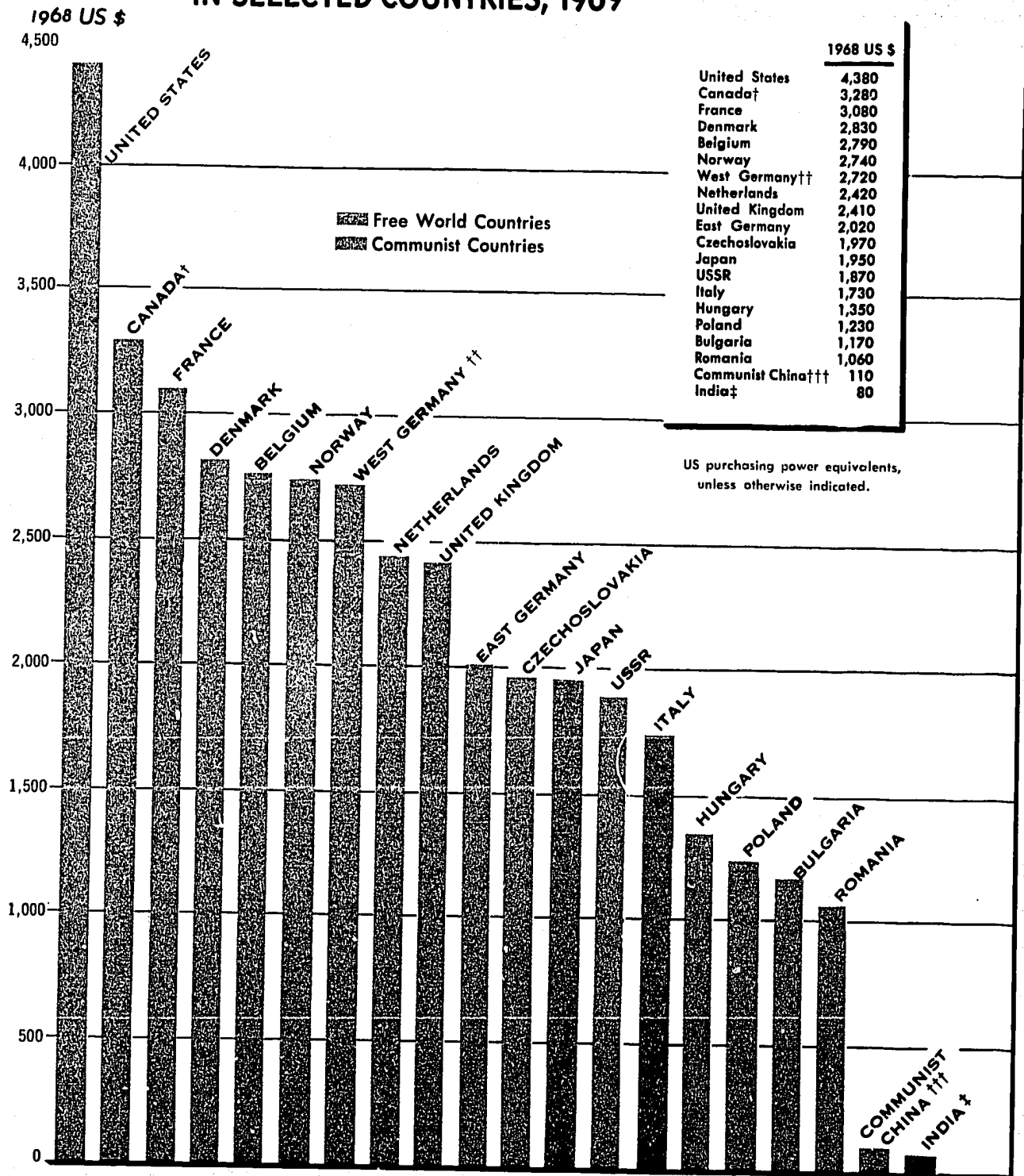
††† Inputs of manhours, capital, and land are combined using weights of 69.21%, 26.41%, and 4.38%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs, charges on gross fixed capital (including livestock), and land rent in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

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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.

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Table 3

Percentage Distribution of Soviet Gross National Product, by End Use
(Adjusted Factor Cost ^a)

	Percent of Total					
	1960	1965	1966	1967	1968	1969 ^b
Consumption.....	59	56	57	57	57	58
Investment.....	28	30	31	32	33	33
New fixed.....	23	24	24	25	25	26
Other ^c	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

^a 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.

^b Preliminary.

^c Civilian research and development and expenditures on capital repair.

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Table 4
Indexes of Industrial Production ^a in Selected NATO and Communist Countries

	1960=100						Average Annual Rate of Growth ^b (Percent)	
	1960	1965	1966	1967	1968	1969 ^c	1961-65	1966-69
NATO COUNTRIES								
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*
COMMUNIST COUNTRIES								
USSR and Eastern Europe								
USSR ^d	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*
Far East								
Communist China ^e	100	93-98	104-111	89-96	93-102	N.A.	-0.9 ^f	0.7 ^g *
Other								
Yugoslavia.....	100*	166*	173*	172*	183*	203*	10.7*	5.2*

* An asterisk indicates that the data are unclassified.

^a 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.

^b The base year is the year prior to the stated period.

^c Preliminary.

^d 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.

^e 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.

^f Based on the midpoint of the range.

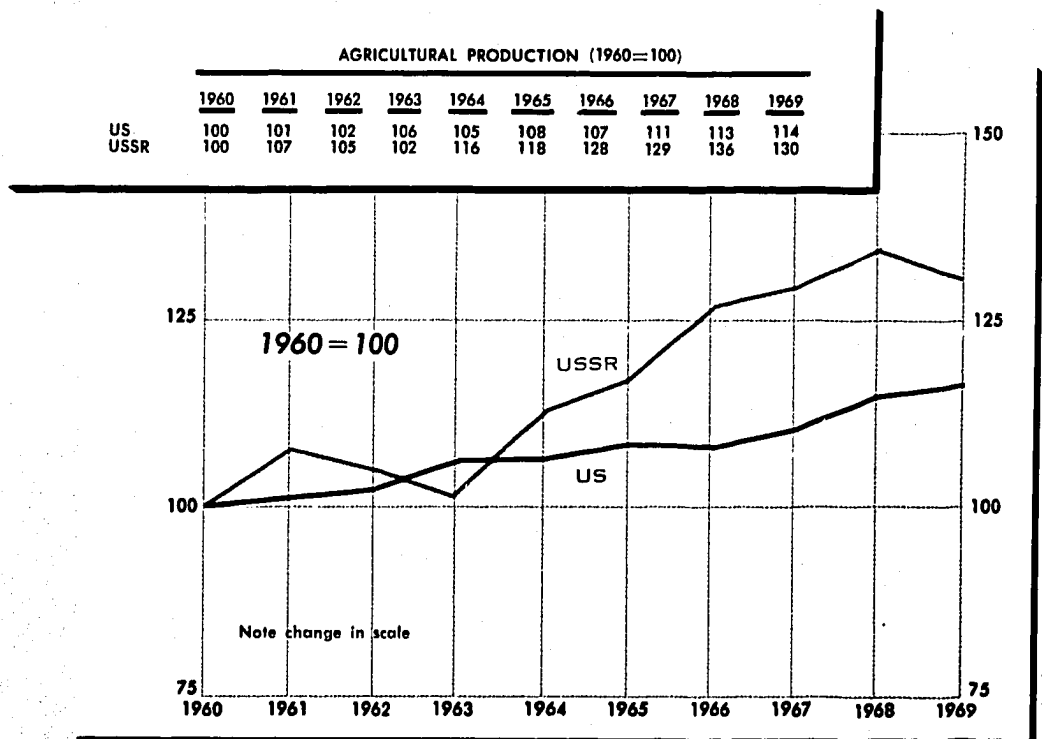
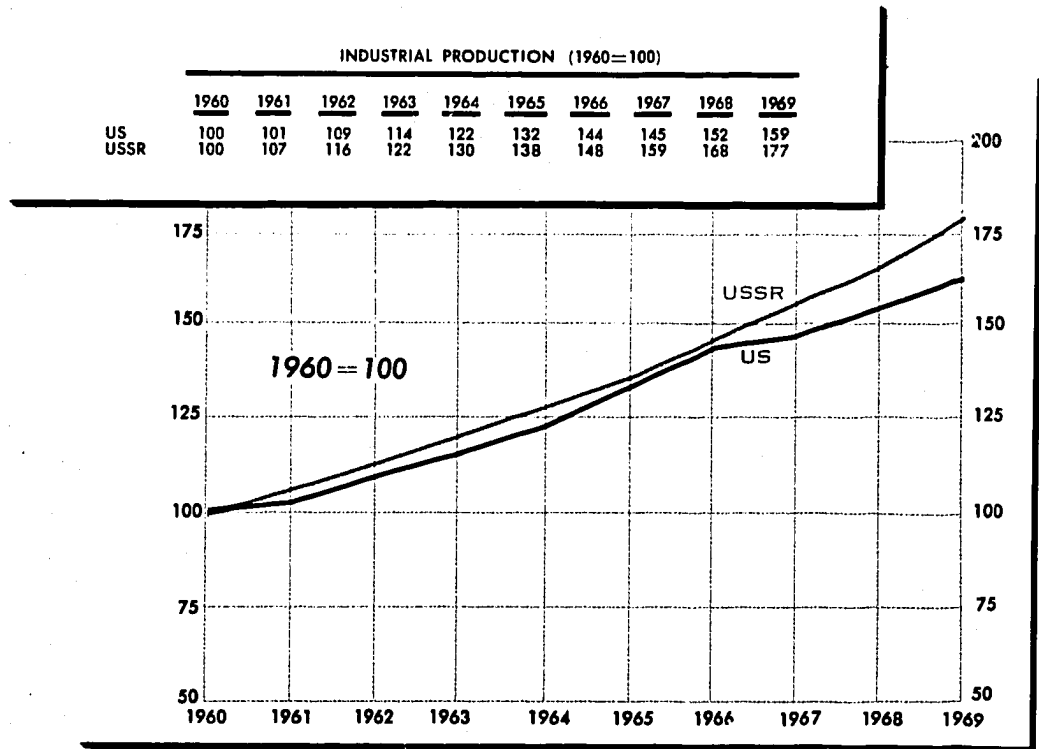
^g Rate of growth for 1966-68.

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Figure 4

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



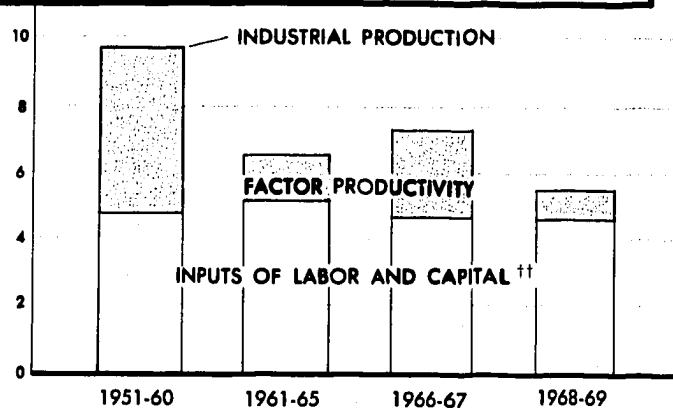
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Figure 5

INDUSTRIAL AND AGRICULTURAL FACTOR PRODUCTIVITY IN THE USSR

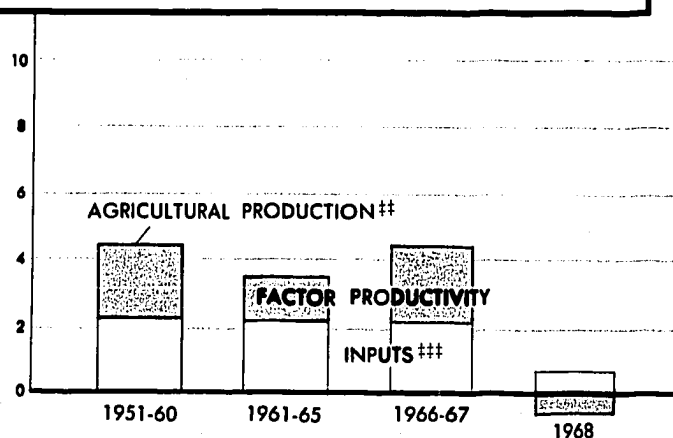
	AVERAGE ANNUAL RATE OF GROWTH (PERCENT) †			
	1951-60	1961-65	1966-67	1968-69
INDUSTRIAL PRODUCTION	9.8	6.6	7.3	5.5
FACTOR PRODUCTIVITY				
Labor (manhours) and capital	4.8	1.4	2.4	0.9
Manhours	7.0	3.4	3.7	2.0
Capital	-1.5	-4.1	-1.3	-2.3
INPUTS				
Labor (manhours) and capital ††	4.8	5.1	4.7	4.6
Manhours	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 imputed costs attributed to each of the inputs in 1959, the base for all indexes underlying the growth rate calculations.

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Table 5

Indexes of Agricultural Production ^a in the East European Communist Countries

	1960=100						Average Annual Rate of Growth ^b (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.

^a 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.

^b The base year is the year prior to the stated period.

Table 6

Average Annual Rates of Growth ^a of Industrial Production, by Branch of Industry, in the USSR

	Percent						
	1961-65	1966-69 ^b	1965	1966	1967	1968	1969 ^b
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

^a The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

^b Preliminary.

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Table 7
 Official Communist Indexes of Gross Industrial Production ^a

	1960 = 100						Average Annual Rate of Growth ^b (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
COMMUNIST COUNTRIES								
USSR and Eastern Europe								
USSR.....	100	151	164	180	195	209	8.6	8.5
Eastern Europe								
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 ^c	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 ^c	13.8	11.8
Far East								
North Korea.....	100	198	192	224	258	N.A.	14.6	9.2 ^d
North Vietnam.....	100	184	N.A.	N.A.	N.A.	N.A.	13.0	N.A.
Other								
Albania ^e	100	139	156	176	209 ^c	232 ^c	6.8	13.7

^a 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).

^b The base year is the year prior to the stated period.

^c Estimated.

^d Rate of growth for 1966-68.

^e Socialized industry only.

Table 8

Soviet State Budget

Billion New Rub

Category	1960	1965	1966	1967	1968	1969		1970
	Actual	Actual	Actual	Actual	Actual	Plan	Actual	Plan
Revenues								
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 ^a	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 ^a	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 ^a	102.32	106.30	117.16	130.84	134.10	138.5	144.93
Expenditures								
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 ^b	0.2 ^b	0.2 ^b
Reserve Funds of the Council of Ministers.....	0	0	0	0	0			
Residual.....	2.97	4.38	4.73	2.76	3.05	4.96 ^b	5.8 ^b	6.56 ^b
Total.....	73.13	101.62	105.58	115.24	128.56	133.90	137.1	144.66
Budget Surplus.....	3.95 ^a	0.70	0.72	1.92	2.28	0.20	1.4	0.27

^a Including revenue from the savings deposits of the population.^b Estimated.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 9

Soviet Gross Fixed Capital Investment, by Function and by Sector ^a

Million New Rubles ^b

	1960	1965	1966	1967	1968	1969 ^{c d}
Total investment.....	35,914	48,733	52,339	56,701	61,309	63,800
By function ^e						
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 ^f	12,673	17,676	18,288	19,509	21,070	21,600
Ferrous metallurgy.....	1,192	1,543	1,466	1,681	1,700 ^c	1,800
Chemicals.....	890	1,833	1,769	1,737	1,700 ^c	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

^a 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.

^b 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).

^c 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.

^d Preliminary.

^e Rounded to the nearest hundred million rubles.

^f Excluding the construction industry. Investment figures for individual branches of industry have been estimated for 1968 and 1969.

Table 10
 Soviet Stock of Fixed Capital, by Sector ^a

	Billion New Rubles ^b					
	1960	1965	1966	1967	1968	1969 ^c
Total capital stock ^d	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 ^e	14	19	21	21	23	24
Construction industry.....	6	10	11	13	15	17
Agriculture ^d	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

^a Value of stocks is estimated as of 1 July of the respective year.

^b In 1955 prices.

^c Preliminary.

^d Including the value of basic herds and draft animals.

^e Nonferrous metals; timber, woodworking, and paper; glass and porcelain; and miscellaneous other branches.

Table 11

Drawings and Scheduled Repayments on Western Credits to the USSR ^a

Million US \$

Year	Estimated Drawings ^b	Scheduled Repayments ^c	Interest ^d	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

^a There is no record that any credits were extended to the USSR by Western countries before 1959.

^b Range of error of plus or minus 20% for 1959-62 and 10% for 1963-69.

^c Including downpayments.

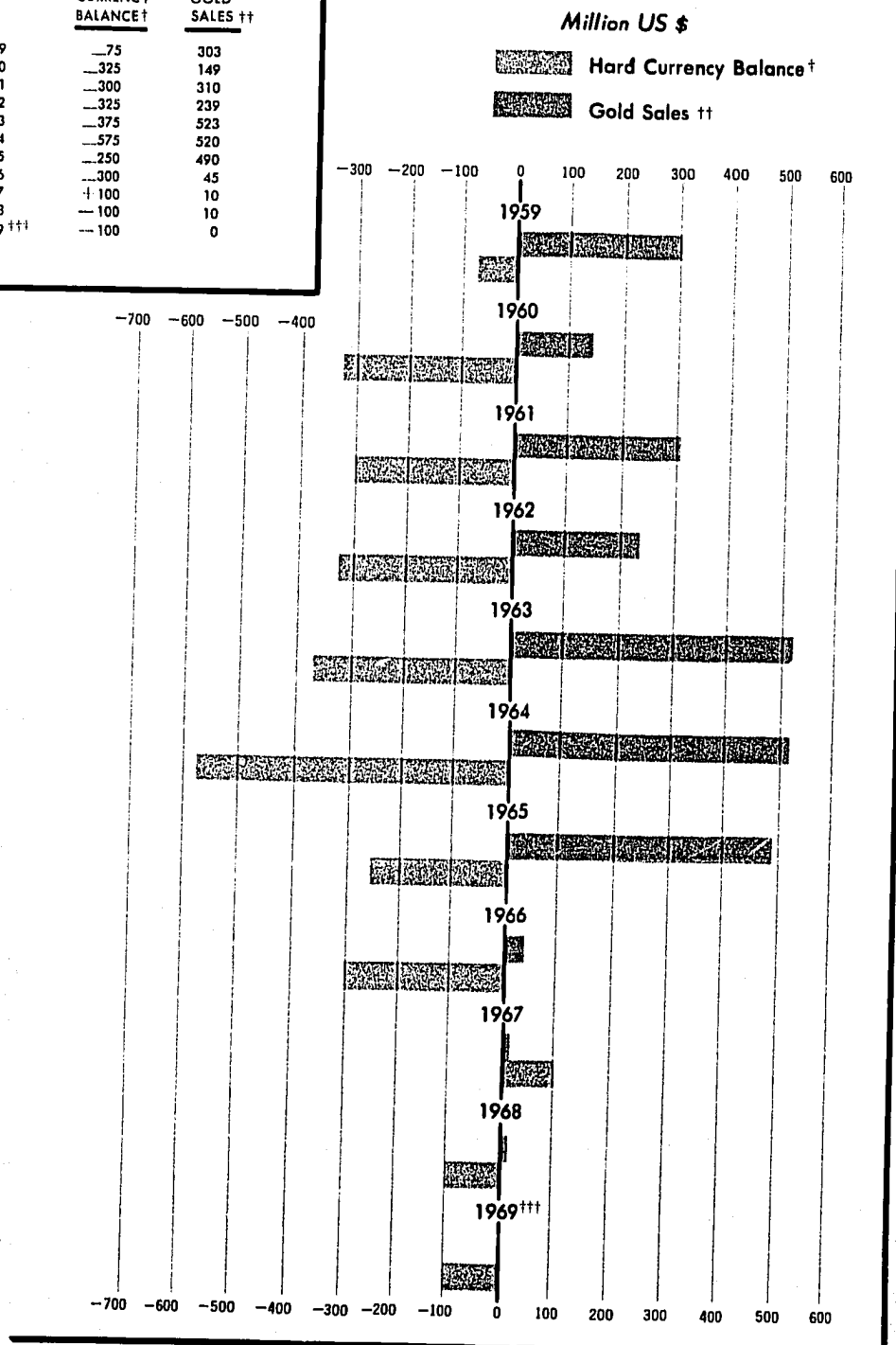
^d Interest computed at 5% on medium-term credits (five years or less) and at 6% on all long-term credits (more than five years) except the FIAT credit, which is computed at its announced rate of 5.75%.

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Figure 6

SOVIET HARD CURRENCY BALANCE OF PAYMENTS

MILLION US \$		
	HARD CURRENCY BALANCE†	GOLD SALES ††
1959	—75	303
1960	—325	149
1961	—300	310
1962	—325	239
1963	—375	523
1964	—575	520
1965	—250	490
1966	—300	45
1967	—100	10
1968	—100	10
1969 †††	—100	0



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

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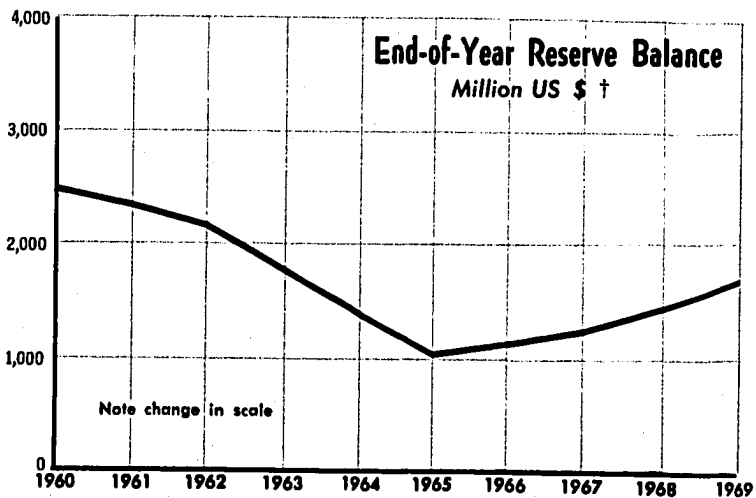
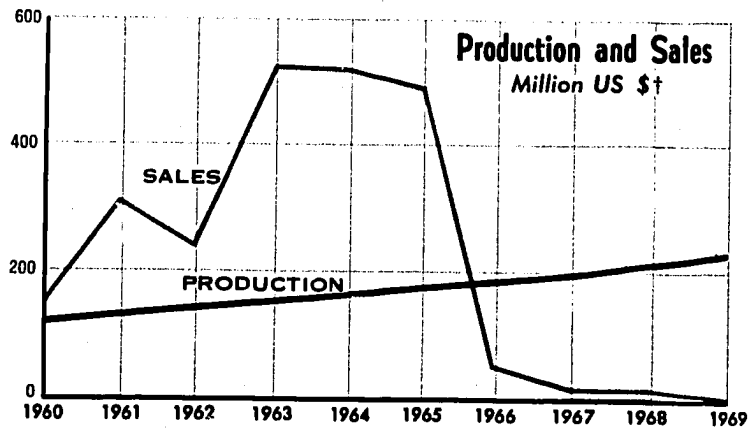
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Figure 7

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.

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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 ^a	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*	235.3*	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 ^b)						
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 ^c	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 ^d	181*	183*	183*	206*	201*	196*
USSR ^e	93*	100*	140*	122*	135*	128*
Meat ^f (million metric tons)						
United States ^g	12.8*	14.3*	14.8*	15.5*	16.0*	16.0*
USSR ^h	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.

^a Converted at US purchasing power equivalents.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for factory sales and include complete units exported for assembly.

^d Excluding corn silage and forage but including sorghum for grain.

^e Including miscellaneous grains and pulses.

^f Data are on a carcass weight, bone-in basis.

^g Excluding slaughter fats, poultry, rabbit, and variety meats.

^h Including slaughter fats, poultry, and edible offal.

Table 13
 Factors of Consumption for the US and the USSR

	1960	1965	1968	1969
Food				
Grain production ^a (million metric tons)				
United States ^b	181	183	201	196
USSR ^c	93	100	135	128
Meat production ^d (million metric tons)				
United States ^e	12.8	14.3	16.0	16.0
USSR ^f	7.4	8.8	10.2	9.8
Persons supplied per farm worker				
United States.....	25	35	43	44
USSR.....	5	5	6	6
Housing				
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
Transportation				
Automobile production (thousand units)				
United States ^g	6,675	9,306	8,822	8,224
USSR.....	139	201	280	294
Automobiles in use (thousand units)				
United States ^h	61,682	75,251	83,693	86,560
USSR ⁱ	800	1,160	1,430	1,540
Communications				
Television receivers in use ^j (million units)				
United States.....	56	71	85	88
USSR.....	4.8	16	27	31
Radio receivers in use ^j (million units)				
United States.....	168	242	301	325
USSR.....	28	38	44	47
Household equipment				
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 ^k (units per thousand persons)				
United States ^l	236	255	284	289
USSR.....	10 ^j	20 ^j	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 ^k (units per thousand persons)				
United States ^l	279	292	301	304
USSR.....	13 ^j	59 ^j	89	106

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

^b Excluding corn silage and forage but including sorghum for grain.

^c Including miscellaneous grains and pulses.

^d Data are on a carcass weight, bone-in basis.

^e Excluding slaughter fats, poultry, rabbit, and variety meats.

^f Including slaughter fats, poultry, and edible offal.

^g Data are for factory sales and include complete units exported for assembly.

^h As of the end of the registration year.

ⁱ Based on data for production, imports, exports, and estimated retirements.

^j As of the end of the year.

^k Unless otherwise indicated, data are as of the beginning of the year.

^l 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.

Table 14
 Soviet Economic Plan for 1970

Commodity	Unit of Measure	Production		Average Annual Rate of Growth ^a (Percent)			
		1969 Actual	1970 Revised Plan	1966-68 Actual	1969		1970 Revised Plan
					Plan	Actual	
Aggregative data							
Index of national income ^b	1965=100.....	134	142	8.1	6.5	6.0	6.0
Gross industrial production ^c	1965=100.....	138	147	8.9	7.3	7.0	6.3
Group A (producers' goods).....	1965=100.....	139	147	9.2	7.2	6.9	6.1
Group B (consumer goods).....	1965=100.....	136	145	8.4	7.5	7.2	6.8
Industrial labor productivity.....	1965=100.....	124	130	5.8	5.9	4.8	5.2
Fuels and power							
Electric power.....	Billion kilowatt-hours.....	689	740	8.0	7.6	7.9	7.4
Total coal.....	Million metric tons.....	608	618	0.9	0.2	2.4	1.6
Crude oil.....	Million metric tons.....	328	350	8.4	6.1	6.1	6.7
Natural gas ^d	Billion cubic meters.....	183	197.5	9.7	8.8	7.1	7.9
Metals							
Crude steel.....	Million metric tons.....	110	115	5.4	5.7	4.0	4.5
Rolled steel.....	Million metric tons.....	87.5	92.2	6.4	5.3	2.6	5.4
Pig iron.....	Million metric tons.....	81.6	85	6.0	5.9	3.6	4.2
Chemicals							
Mineral fertilizer (Soviet statistical reporting units).....	Million metric tons.....	46.0	57.5	12	8.7	5.8	25
Plastics and synthetic resins.....	Thousand metric tons.....	1,452	1,630	17	14	12	12
Manufacturing and construction							
Passenger automobiles.....	Thousand units.....	293.6	348.0	12	23	4.7	19
Trucks and buses.....	Thousand units.....	550.7	574.0	7.8	6.2	5.8	4.2
Tractors.....	Thousand units.....	441.8	456.4	6.1	6.0	4.3	3.3
Television receivers.....	Million units.....	6.6	7.5	16	16	15	13
Rubber tires.....	Million units.....	32.6	34.7	6.3	3.2	2.6	6.4
Cement.....	Million metric tons.....	89.8	94.3	6.5	5.1	2.6	5.0

^a The base year is the year prior to the stated period.

^b The official Soviet measure is based on a Marxist concept of national income and differs significantly from the concept used in Western market economies. For example, the Soviet measure excludes the value of services and overstates the contribution of industry by including all indirect taxes.

^c Official "gross" value series.

^d Including production of gas from coal and shale.

Table 15

Distribution of Defense and Space Expenditures,^a by Major Mission, in the US and the USSR
 1969

	US ^b (Fiscal Year)	USSR ^c (Calendar Year)	
	Billion Current US \$	Billion 1968 US \$	Billion New Rubles ^d
Strategic attack.....	5.5	7.0	2.6
Strategic defense.....	2.2	5.9	2.0
General purpose.....	33.4	18.9	5.6
RDTE&S ^e	14.0	15.1	7.0
<i>Of which:</i>			
Space.....	6.3	7.2	3.4
Other.....	29.4	18.1	4.3
Total.....	84.5	65.0	21.6

^a To achieve as high a degree of comparability as possible, adjustments have been made to the basic data available for both the United States and the USSR. For example, the ruble data, by mission, shown here differ somewhat from the comparable data shown in the following table. All expenditures for research, development, test, and evaluation (RDT&E) activities associated with military programs as well as expenditures for both civilian and military space programs have been aggregated and are included under RDTE&S (RDTE and space programs). All expenditures for nuclear warheads have been aggregated and are included under "Other." All expenditures for military assistance and civil defense programs have been excluded.

^b Planned total obligational authority (TOA). It should be noted that the pattern of expenditures shown for the United States is not representative of the pre-Vietnam period.

^c These data for the USSR 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 Soviet expenditures presented in dollars are measures of Soviet programs computed on the basis of US factor costs and do not measure program costs as seen by Soviet planners.

^d In 1955 prices.

^e Expenditures for research, development, test, and evaluation for all military programs and nuclear energy programs as well as all expenditures for military and civilian space programs.

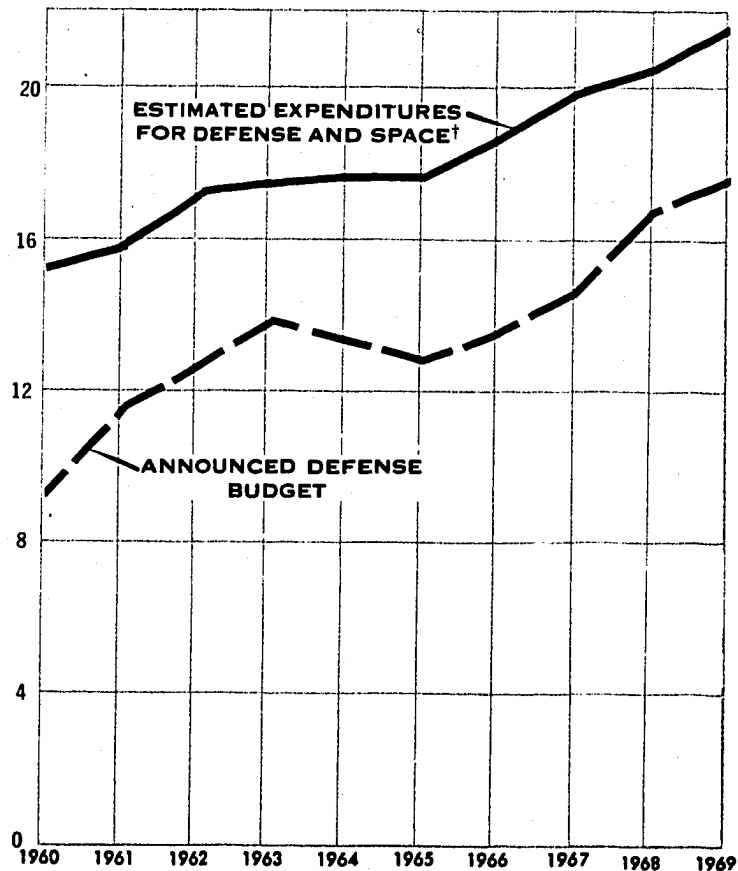
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Figure 8

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 1953 prices.

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Table 16

Estimated Soviet Expenditures for Defense and Space,^a by Mission

Billion New Rubles^b

	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 ^c	2.9	3.3	3.3	3.4	3.4	3.5
Naval ^d	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 ^e	2.6	5.0	5.4	5.9	6.3	7.0
Command and general support ^f	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

^a 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.

^b In 1955 prices.

^c Including expenditures for tactical aviation.

^d Including expenditures for naval aviation.

^e 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.

^f 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 ^a

Billion New Rubles ^b

	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 ^c	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

^a 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.

^b In 1955 prices.

^c 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

Class		1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES							
USSR							
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 ^a	.....	.....	1 ^b	5 ^b	5 ^b
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, Pchela, 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 ^c	3 ^c	1 ^c	.....
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.....	Polnocny 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 ^d.....	.....	.....	9	13	10	8	11
Amphibious.....	LCM and LCT.....	30	25	45	30	20	50

^a H class.

^b Y class.

^c Shershen and Obluze classes.

^d More than 150 feet.

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Table 19

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

Units

	Bombers ^a		Fighters ^a		Transports		Other ^b	
	1968	1969	1968	1969	1968	1969	1968	1969
United States ^c	2	7	1,307 ^d	1,075 ^d	49	44	3,514	2,882
Communist Countries ^e	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

^a Including reconnaissance aircraft.

^b Data are for trainers, helicopters, and antisubmarine warfare, warning, utility, and reconnaissance aircraft.

^c Data are official military acceptances.

^d Including attack aircraft.

^e Data are estimated and rounded to two significant digits.

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MILITARY CAPACITIES OF SELECTED PORTS

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

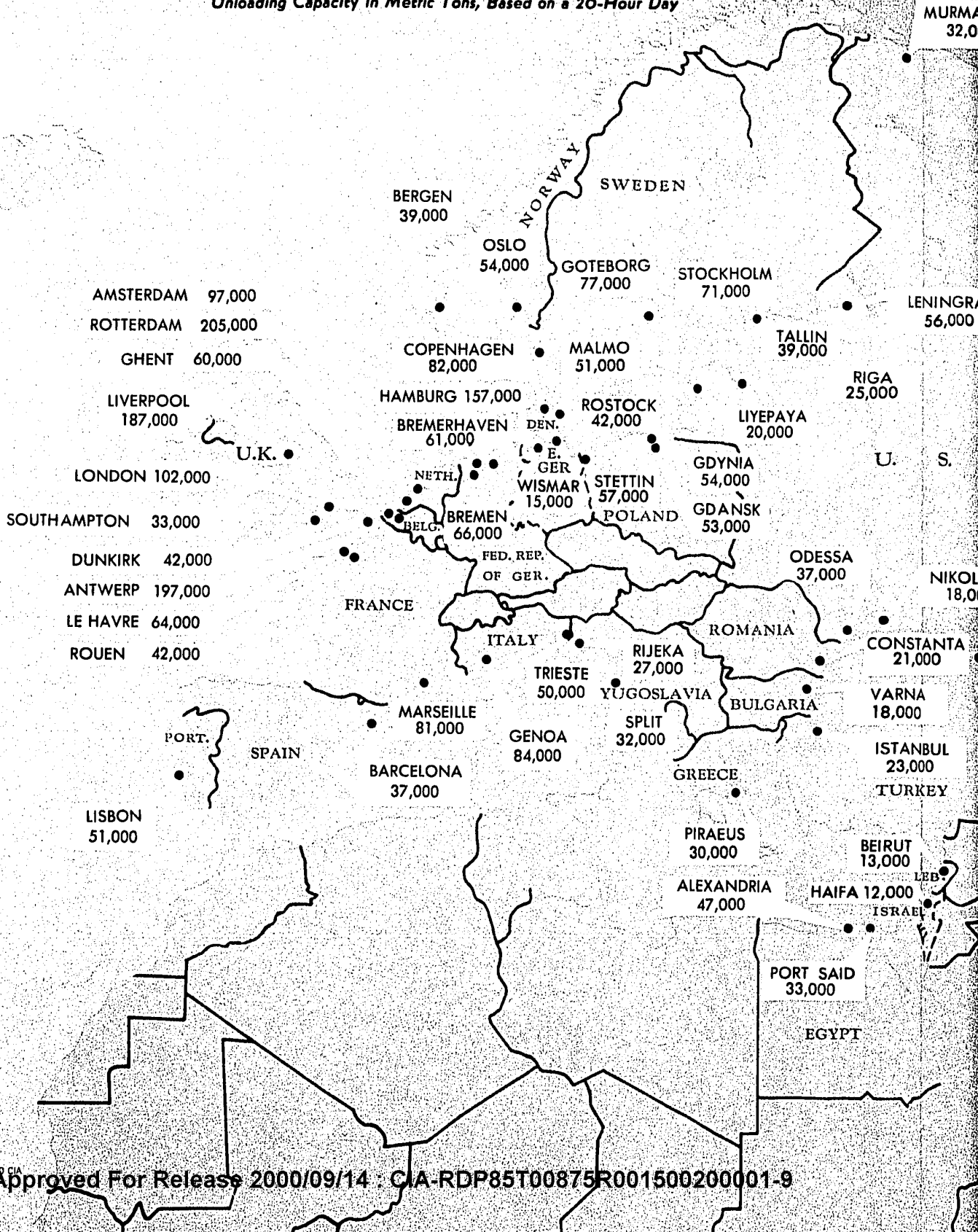
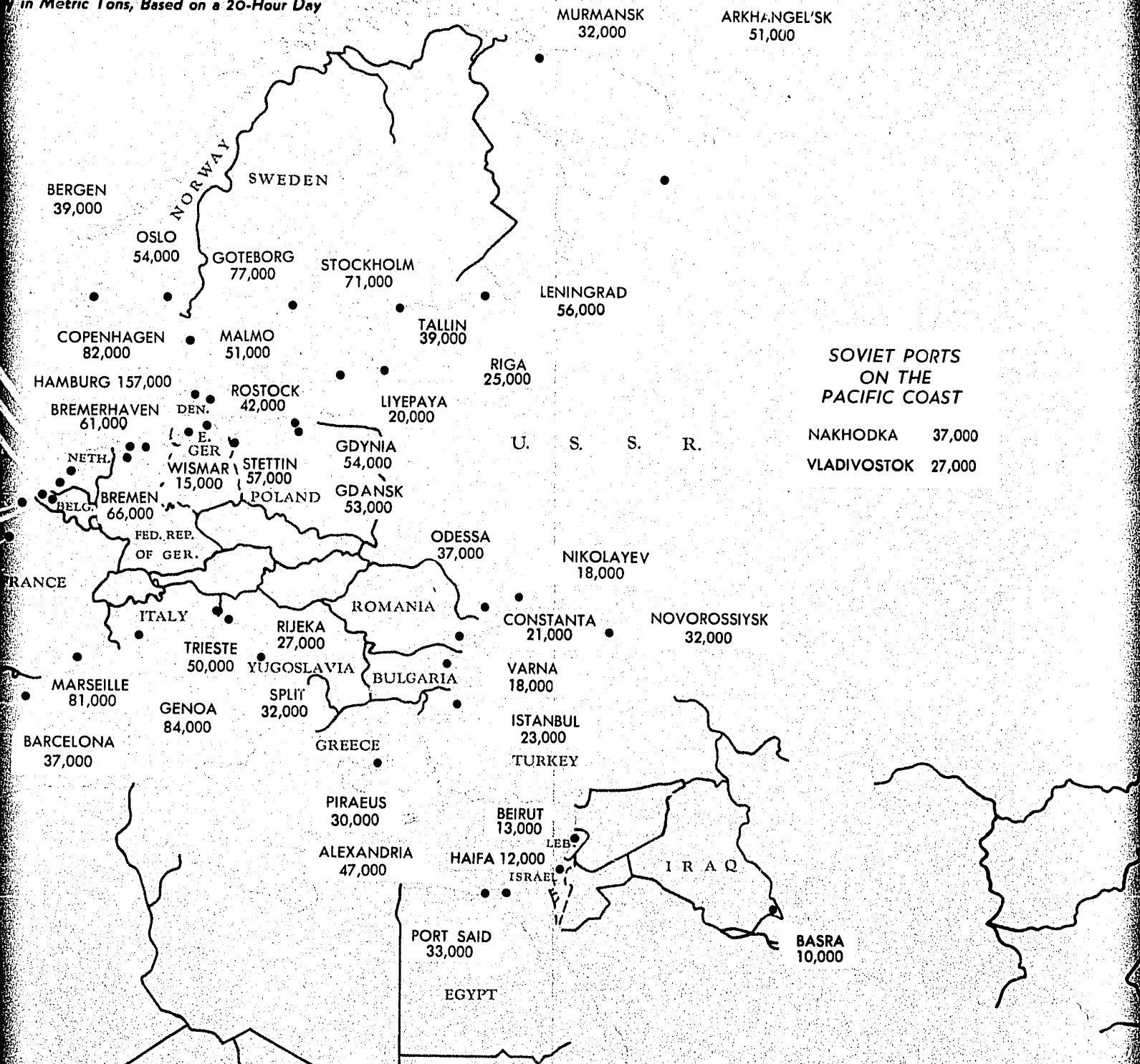


Figure 9

CITIES OF SELECTED PORTS

in Metric Tons, Based on a 20-Hour Day



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**POPULATION AND
COUNTRY TABLES**

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Table 20

Estimated and Projected Population

Million Persons at Midyear

	1960	1965	1969	1970	1971	1972	1973	1974	1975	1980	1985
NATO COUNTRIES.....	476	508	529	534	540	546	552	558	565	599	636
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.....	295.2	313.2	325.8	329.1	332.4	335.7	339.2	342.6	346.1	364.4	384.1
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
COMMUNIST COUNTRIES.....	1,051	1,145	1,232	1,255	1,278	1,302	1,327	1,352	1,379	1,521	1,680
USSR and Eastern Europe...	311	331	343	346	349	352	356	359	362	379	397
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.....	96.5	100.1	102.8	103.6	104.3	105.1	105.9	106.7	107.5	111.6	115.5
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.....	713	785	858	877	897	917	938	960	982	1,105	1,244
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.....	27.5	29.7	31.3	31.7	32.2	32.6	33.1	33.5	34.0	36.6	39.5
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 THESE TABLES ARE UNCLASSIFIED

Table 21

Labor Force ^a in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States ^b	72.1	77.2	78.9	80.8	82.3	84.2
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	157	170	172	176	178	180
USSR ^c	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
Far East						
Communist China ^d	307	328	335	N.A.	N.A.	N.A.
North Korea ^d	4.6	5.3	5.4	5.5	5.6	5.7
North Vietnam ^d	8.2	9.4	9.5	9.6	9.6	9.6
Other						
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

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

Table 22

Nonagricultural Labor Force ^a in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States ^b	60.3	66.7	68.9	70.5	72.1	74.3
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	91.5	108	112	115	119	122
USSR ^c	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
Far East						
Communist China ^d	53	47	48	N.A.	N.A.	N.A.
North Korea ^d	2.1	2.6	2.7	2.8	2.8	2.9
North Vietnam ^d	1.8	2.4	2.5	2.7	2.8	2.8
Other						
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

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

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 23

Agricultural Labor Force^a in the United States and Selected Communist Countries

Million Persons at Midyear

	1960	1965	1966	1967	1968	1969
United States ^b	5.46	4.36	3.98	3.84	3.82	3.61
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	65.2	61.7	60.1	60.6	58.8	58.0
USSR ^c	44.6	43.1	41.7	42.4	40.8	40.2
Eastern Europe.....	20.6	18.6	18.4	18.2	18.0	17.8
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

^a Excluding the armed forces.^b 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.^c Excluding militarized security forces.

Table 24

United States: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
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 ^a	Million persons.....	72.1	77.2	78.9	80.8	82.3	84.2
Fuels and power							
Primary energy (coal equivalents ^b)..	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
Minerals and metals							
Crude steel ^c	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 ^d	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
Agriculture							
Grain ^e	Million metric tons.....	181	183	183	206	201	196
Meat ^f	Million metric tons.....	12.8	14.3	14.8	15.5	16.0	16.0
Manufactured items							
Sulfuric acid (100%).....	Million metric tons.....	16.2	22.5	25.8	26.1	25.7	26.1
Mineral fertilizer (nutrients) ^g	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 ^h	Million units.....	6.67	9.31	8.60	7.44	8.82	8.22
Semiconductors ⁱ	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
Trade							
Imports (f.o.b.).....	Billion US \$.....	15.1	21.4	25.6	26.9	33.2	36.1
Exports (f.o.b.) ^j	Billion US \$.....	20.6	27.5	30.4	31.6	34.6	38.0

^a Including the armed forces and the unemployed. Data are annual averages of monthly data.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Excluding steel for castings made in foundries operated by companies not producing ingots.

^d Including production from secondary plants and copper refined by manufacturers for their own use.

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

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

^g Data are for "fertilizer years" beginning 1 July of the stated year.

^h Factory sales.

ⁱ Semiconductor diodes, rectifiers, and transistors.

^j Including military grant-aid but excluding reexports.

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
Aggregative data							
Gross national product ^{a,b}	Billion 1968 US \$	440	560	580	600	630	660
Total population (midyear) ^b	Million persons	277	294	297	299	302	305
Fuels and power							
Primary energy (coal equivalents ^c)	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
Minerals and metals							
Crude steel ^d	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 ^d	Million metric tons	110	94.9	88.1	81.5	89.0	86.7
Refined copper ^d	Million metric tons	0.83	0.93	0.91	0.91	1.02	0.98
Primary aluminum ^d	Million metric tons	0.69	1.01	1.10	1.14	1.27	1.31
Agriculture							
Grain ^e	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 ^f	Million metric tons	10.8	12.5	12.8	12.7	13.2	12.8
Cattle (beginning of year) ^g	Million head	78.0	81.1	83.2	84.9	85.4	86.2
Manufactured items							
Sulfuric acid (100%) ^d	Million metric tons	13.3	16.5	16.8	17.3 ^h	18.3 ^h	18.8 ^h
Mineral fertilizer (nutrients) ⁱ	Million metric tons	10.8	14.0	14.4	15.2	N.A.	N.A.
Cement ^d	Million metric tons	82.7	115	120	124	131	139
Tractors	Thousand units	403	436	433	408	423	426
Passenger automobiles ^d	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.
Transportation							
Railroad freight traffic	Billion ton-kilometers	174	183	181	177	184	196

^a Converted at US purchasing power equivalents.

^b Including data for West Berlin.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Including data for West Berlin beginning in 1965.

^e Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

^f Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, goat, and horsemeat where they are produced.

^g Including data for the Faeroe Islands and Greenland.

^h Excluding data for Greece.

ⁱ Data are for "fertilizer years"—in general, beginning 1 July of the stated year.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 26

France: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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
Fuels and power							
Primary energy (coal equivalents ^b) ..	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
Minerals and metals							
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
Agriculture							
Grain ^c	Million metric tons	22.8	28.6	26.1	31.0	32.3	32.2
Meat ^d	Million metric tons	2.61	3.24	3.33	2.98	3.07	2.90
Manufactured items							
Sulfuric acid (100%)	Million metric tons	2.05	2.92	3.07	3.23	3.34	3.54
Mineral fertilizer (nutrients) ^e	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.
Trade							
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

^a Converted at US purchasing power equivalents.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for barley, corn, oats, rice, rye, and wheat.

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

^e Data are for "fertilizer years" beginning 1 July of the stated year.

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Table 27

Italy: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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
Fuels and power							
Primary energy (coal equivalents ^b)..	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
Minerals and metals							
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
Agriculture							
Grain ^c	Million metric tons.....	12.0	14.5	14.4	15.1	15.0	15.7
Meat ^d	Million metric tons.....	1.10	1.08	1.15	1.24	1.29	1.42
Manufactured items							
Sulfuric acid (100%).....	Million metric tons.....	2.30	2.98	3.37	3.52	3.31	3.20
Mineral fertilizer (nutrients) ^e	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 ^f	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.
Trade							
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

^a Converted at US purchasing power equivalents.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for barley, corn, oats, rice, rye, and wheat.

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

^e Data are for "fertilizer years" beginning 1 July of the stated year.

^f Excluding production for the armed forces.

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Table 30
India: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^{a b}	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
Fuels and power							
Electric power (gross) ^b	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
Minerals and metals							
Crude steel ^c	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
Agriculture							
Wheat	Million metric tons	10.3	12.3	10.4	11.4	16.5	18.7
Rice (rough, or paddy) ^d	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
Manufactured items							
Sulfuric acid (100%)	Million metric tons	0.35	0.68	0.69	0.80	0.98	1.14
Cotton fabrics ^e	Billion linear meters	6.63	7.64	7.34	7.28	7.90	7.59
Woolen fabrics ^f	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
Trade							
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

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

^b Data are for the year beginning 1 April of the stated year.

^c Beginning in 1965, ingots only.

^d Estimated from planted acreage.

^e Mill and decentralized sector production.

^f Wearable fabrics produced in the mill sector only.

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Table 32

USSR: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product *	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*	232*	238*	238*	240*
Labor force (midyear)	Million persons	108*	120*	121*	125*	126*	127*
Fuels and power							
Primary energy (coal equivalents †)	Billion metric tons	0.65*	0.94*	1.01*	1.06*	1.11*	1.17*
Electric power (gross)	Billion kilowatt-hours	29*	507*	545*	583*	636*	689*
Hard coal	Million metric tons	375*	428*	439*	451*	456*	470*
Crude oil	Million metric tons	148*	243*	265*	288*	300*	328*
Natural gas ‡	Billion cubic meters	45.3*	128*	143*	157*	169*	181*
Minerals and metals							
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*
Agriculture							
Grain §	Million metric tons	93.0*	100*	140*	122*	135*	126*
Meat ¶	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*	67.2*	63.4*	67.1*	67.2*	65.7*
Manufactured items							
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*	180*	192*	198*	201*	206*
Tractors	Thousand units	228*	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*
Transportation and trade							
Railroad freight traffic	Trillion ton-kilometers	1.50*	1.93*	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 \$	5.66*	8.17*	8.84*	9.65*	10.6*	11.7*

* An asterisk indicates that the data are unclassified.

† Converted at US purchasing power equivalents.

‡ Data include the armed forces and the unemployed but exclude militarized security forces.

§ Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

¶ Gross production less losses and waste. Data include only gas wells and associated gas from petroleum fields.

* Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains including pulses.

† 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
Aggregative data							
Gross national product ^a	Billion 1968 US \$.....	102*	123*	130*	136*	142*	148*
Total population (midyear).....	Million persons.....	96.5*	100*	101*	101*	102*	103*
Fuels and power							
Primary energy (coal equivalents ^b)..	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
Minerals and metals							
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
Agriculture							
Grain ^c	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 ^d	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*	26.6*	27.9*	28.3*	28.4*
Manufactured items							
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.
Transportation							
Railroad freight traffic.....	Billion ton-kilometers.....	187*	236*	246*	250*	259*	261*

* An asterisk indicates that the data are unclassified.

^a Converted at US purchasing power equivalents.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

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

Table 34

Bulgaria: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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) ^b	Million persons.....	4.20*	4.26*	4.28*	4.32*	4.35*	4.38*
Fuels and power							
Primary energy (coal equivalents ^c)..	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*
Minerals and metals							
Crude steel ^d	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*
Agriculture							
Grain ^e	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 ^f	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
Manufactured items							
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*
Transportation and trade							
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.

^a Converted at US purchasing power equivalents.

^b Including the armed forces and the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Including an estimate for steel for castings for all years.

^e Data are for barley, corn, oats, rice, rye, wheat, and miscellaneous grains.

^f 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
Aggregative data							
Gross national product ^a	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) ^b	Million persons.....	6.40*	6.79*	6.92*	6.99*	7.06*	7.13*
Fuels and power							
Primary energy (coal equivalents ^c)..	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
Minerals and metals							
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*
Agriculture							
Grain ^d	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 ^e	Thousand metric tons.....	483	599	580	605	600	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*
Manufactured items							
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 ^f	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.
Transportation and trade							
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.

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

Table 36

East Germany: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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) ^b	Million persons.....	8.53*	8.37*	8.38*	8.41*	8.40*	8.41*
Fuels and power							
Primary energy (coal equivalents ^c)..	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*
Minerals and metals							
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*
Agriculture							
Grain ^d	Million metric tons.....	6.38*	6.73*	5.91*	7.35*	7.83*	6.89
Meat ^e	Thousand metric tons.....	730	861	906	946	982	998
Fish catch.....	Thousand metric tons.....	114*	229*	222*	290*	303*	270*
Cattle ^f	Million head.....	4.46*	4.68*	4.76*	4.92*	5.02*	5.11*
Hogs ^f	Million head.....	8.28*	8.76*	8.88*	9.31*	9.25*	9.52*
Manufactured items							
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*
Transportation and trade							
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.

^a Converted at US purchasing power equivalents.

^b Including the armed forces and the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Data are for barley, oats, rye, wheat, and miscellaneous grains.

^e Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, and mutton.

^f As of 30 November of the previous year.

Table 37

Hungary: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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) ^b	Million persons.....	4.87*	4.99*	5.05*	5.09*	5.12*	5.16*
Fuels and power							
Primary energy (coal equivalents ^c)..	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*
Minerals and metals							
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*
Agriculture							
Grain ^d	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 ^e	Thousand metric tons.....	430*	476*	469	472	532	523
Cattle (beginning of year).....	Million head.....	1.97* ^f	1.94*	1.92*	1.97*	2.05*	2.02*
Hogs (beginning of year).....	Million head.....	5.36* ^f	7.04*	6.59*	6.12*	6.65*	5.81*
Manufactured items							
Sulfuric acid (100%) ^g	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*
Transportation and trade							
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.

^a Converted at US purchasing power equivalents.

^b Including the armed forces and the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Data are for barley, corn, oats, rice, rye, and wheat.

^e Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, lamb, goat, and horsemeat; and include live exports.

^f As of March of the stated year.

^g Including Agricultural Machinery.

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Table 38

Poland: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product ^a	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) ^b	Million persons.....	14.1*	15.4*	15.7*	16.0*	16.3*	16.6*
Fuels and power							
Primary energy (coal equivalents ^c)..	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*
Minerals and metals							
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*
Agriculture							
Grain ^d	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*	50.3*	44.8*
Meat ^e	Million metric tons.....	1.15	1.33	1.37	1.41	1.44	1.50
Fish catch ^f	Thousand metric tons.....	168*	280*	316*	321*	386*	397*
Cattle (beginning of year).....	Million head.....	8.70* ^g	9.35*	9.48*	10.0*	10.1*	10.5*
Hogs (beginning of year).....	Million head.....	12.6* ^g	14.2*	14.4*	14.7*	14.4*	14.7*
Manufactured items							
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*
Transportation and trade							
Railroad freight traffic.....	Billion ton-kilometers.....	66.6*	81.0*	85.0*	88.5*	92.6*	95.0*
Motor vehicle freight traffic ^h	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.

^a Converted at US purchasing power equivalents.

^b Including the armed forces and the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Data are for barley, oats, rye, wheat, and miscellaneous grains.

^e Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, horsemeat, and edible offal.

^f Salt water catch only.

^g As of 30 June of the stated year.

^h 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
Aggregative data							
Gross national product ^a	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) ^b	Million persons	9.99*	10.3*	10.4*	10.5*	10.6*	10.7*
Fuels and power							
Primary energy (coal equivalents ^c)	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
Minerals and metals							
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*
Agriculture							
Grain ^d	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 ^e	Thousand metric tons	414	462	500	542	592	587
Cattle (beginning of year)	Million head	4.45*	4.76*	4.84*	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
Manufactured items							
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*
Transportation and trade							
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.

^a Converted at US purchasing power equivalents.

^b Including the armed forces and the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Data are for barley, corn, oats, rice, rye, and wheat.

^e Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, and goat.

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Table 40

Communist China: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Index of industrial production ^a	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) ^b	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.
Fuels and power							
Primary energy (coal equivalents ^c)..	Million metric tons.....	208	205	226	183	194	242
Electric power (gross).....	Billion kilowatt-hours.....	47*	42*	47*	41*	44*	50*
Hard coal ^d	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
Minerals and metals							
Crude steel.....	Million metric tons.....	18.4*	11	12	10	12	13
Pig iron.....	Million metric tons.....	27.5* ^e	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 ₃).....	Thousand metric tons.....	29	15	14	12	12	12
Primary aluminum.....	Thousand metric tons.....	80	115	125	145	179	195
Agriculture							
Grain ^f	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
Manufactured items							
Sulfuric acid (100%).....	Million metric tons.....	1.35*	2.2	2.3	N.A.	N.A.	N.A.
Chemical fertilizer ^g	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
Trade							
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.

^a 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.

^b Data exclude the armed forces but include the unemployed.

^c Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^d Including a negligible amount of brown coal.

^e 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.

^f 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 1 metric ton of tubers to 1 metric ton of grain.

^g Data are in terms of product weight containing 20% nitrogen (N), phosphoric acid (P₂O₅), and 40% potassium oxide (K₂O).

Table 41

North Korea: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
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) ^a	Million persons	4.6*	5.3*	5.4*	5.5*	5.6*	5.7*
Fuels and power							
Primary energy (coal equivalents ^b) ..	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
Minerals and metals							
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* ^c	5.00*	5.46	5.50	6.20
Tungsten ore ^d	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*
Agriculture							
Grain ^e	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
Manufactured items							
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
Transportation and trade							
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.) ^f	Million US \$	167*	216*	202*	224*	305*	345*
Exports (f.o.b.) ^f	Million US \$	154*	198*	221*	226*	253*	264*

* An asterisk indicates that the data are unclassified.

^a Data exclude the armed forces but include the unemployed.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Based on an announced increase for 1965 of 24% applied to 1964 plan data.

^d Tungsten trioxide (60% WO₃ basis).

^e Data are for barley, corn, oats, rice, wheat, soybeans, and tubers on a straight weight basis.

^f Estimated data based on data of trading partner countries.

Table 42

North Vietnam: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
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) ^a	Million persons.....	8.2*	9.4*	9.5*	9.6*	9.6*	9.6*
Fuels and power							
Primary energy (coal equivalents ^b)..	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
Minerals and metals							
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 ^c	Thousand metric tons.....	19.4*	15.0	Negl.	Negl.	Negl.	Negl.
Agriculture							
Grain ^d	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* ^e	N.A.	N.A.	N.A.	N.A.
Cattle (beginning of year) ^f	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.
Manufactured items							
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
Trade							
Imports (f.o.b.) ^g	Million US \$.....	128 ^h	195	250	356	417	429
Exports (f.o.b.) ^g	Million US \$.....	80 ^h	102	85	57	57	45

* An asterisk indicates that the data are unclassified.

^a Data exclude the armed forces but include the unemployed.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for the estimated chromic oxide (Cr₂O₃) content of the ores mined.

^d Corn and rice only.

^e Excluding manioc.

^f Including buffaloes.

^g Unless otherwise indicated, estimated data based on data of trading partner countries.

^h Estimated.

Table 43

Albania: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross industrial production ^a	1960=100	100*	139*	156*	176*	209* ^b	232* ^b
Total population (midyear).....	Million persons.....	1.6*	1.9*	1.9*	2.0*	2.0*	2.1*
Labor force (midyear) ^c	Million persons.....	0.73*	0.82*	0.84*	0.87*	0.89*	0.91*
Fuels and power							
Primary energy (coal equivalents ^d)..	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
Minerals and metals							
Iron ore ^e	Million metric tons.....	0.26*	0.39*	0.39*	0.40*	N.A.	N.A.
Chromite ^f	Thousand metric tons.....	130*	141	137	148	165	189
Bliester copper.....	Thousand metric tons.....	0.9*	4.2*	4.8*	4.8*	5.5*	6.4*
Agriculture							
Grain ^g	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) ^h	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.
Manufactured items							
Cement.....	Thousand metric tons.....	73*	134*	139*	221*	303*	N.A.
Transportation and trade							
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* ^b	107* ^b	109* ^b	116* ^b	N.A.
Exports (f.o.b.).....	Million US \$.....	49*	63* ^b	66* ^b	67* ^b	75* ^b	N.A.

* An asterisk indicates that the data are unclassified.

^a Socialized industry only.^b Estimated.^c Including the armed forces and the unemployed.^d Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.^e Iron-nickel ore that is mined for its nickel content.^f Data are for the estimated chromic oxide (Cr₂O₃) content of the ores mined.^g Data are for barley, corn, oats, rice, rye, wheat, and buckwheat.^h Including buffaloes.

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Table 44

Cuba: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
Gross national product.....	Billion 1957 US \$.....	3.10* ^a	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*
Fuels and power							
Electric power (gross).....	Billion kilowatt-hours.....	2.98*	3.56*	3.66*	4.06*	4.20*	N.A.
Minerals and metals							
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 ^b	Thousand metric tons.....	14.7	28.2	27.9	32.0	37.0*	37.0*
Chromite ^c	Thousand metric tons.....	10.0* ^d	14.4	13.1	N.A.	N.A.	N.A.
Agriculture							
Grain ^e	Thousand metric tons.....	410	70	90	100	100	200
Rice (rough, or paddy).....	Thousand metric tons.....	306*	50	68	94	94	190
Potatoes ^f	Thousand metric tons.....	90*	80	100	100	120	N.A.
Milk.....	Thousand metric tons.....	742*	620*	690	680*	650*	N.A.
Sugar ^g	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.
Manufactured items							
Rubber tires.....	Thousand units.....	343*	197	306	414	N.A.	N.A.
Cement.....	Thousand metric tons.....	813*	801	750	835	N.A.	N.A.
Trade							
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.

^a Data are for 1961.

^b Nickel content of oxide and sulfides.

^c Data are for the estimated chromic oxide (Cr₂O₃) content of the ores mined.

^d US imports.

^e Corn and rice only.

^f Data reflect government collections only; total production is considerably higher.

^g Raw cane sugar of 96° polarization.

Table 45

Mongolia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
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*
Fuels and power							
Electric power (gross).....	Million kilowatt-hours.....	106*	242*	215*	245*	289*	340*
Coal.....	Million metric tons.....	0.62*	0.99*	1.06*	1.10*	1.28*	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*	15.0*	N.A.	N.A.	N.A.	N.A.
Gasoline.....	Thousand metric tons.....	17.8*	17.0*	N.A.	N.A.	N.A.	N.A.
Agriculture							
Grain ^a	Thousand metric tons.....	256*	354*	297*	350*	N.A.	N.A.
Fresh butter ^b	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*
Manufactured items							
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*
Transportation and trade							
Railroad freight traffic.....	Million 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	80	86	80	N.A.

* An asterisk indicates that the data are unclassified.

^a Data are for barley, oats, wheat, and miscellaneous grain.

^b Excluding butter prepared by the self-employed for their own use.

Table 46

Yugoslavia: Selected Economic Data

	Unit of Measure	1960	1965	1966	1967	1968	1969
Aggregative data							
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) ^a	Million persons.....	8.32	8.88	8.99	9.08	9.21	9.35
Fuels and power							
Primary energy (coal equivalents) ^b	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
Minerals and metals							
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
Agriculture							
Grain ^c	Million metric tons.....	10.9	10.6	13.9	13.2	12.1	13.6
Meat ^d	Thousand metric tons.....	522	639	558	636	655	600
Milk.....	Thousand metric tons.....	2.25	2.30	2.51	2.80	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	5.28
Hogs (beginning of year).....	Million head.....	6.21	6.98	5.12	5.52	5.86	5.09
Manufactured items							
Sulfuric acid (100%).....	Thousand metric tons.....	130	435	542	592	589	695
Mineral fertilizer (nutrients).....	Thousand square meters.....	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	3.90
Tractors.....	Thousand units.....	7.5	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
Transportation and trade							
Railroad freight traffic ^e	Million ton-kilometers.....	15.2	18.0	17.5	16.4	16.4	17.7
Imports (c.i.f.).....	Million US \$.....	0.83	1.29	1.58	1.71	1.80	2.14
Exports (f.o.b.).....	Million US \$.....	0.57	1.09	1.22	1.25	1.26	1.48

^a Including the armed forces and the unemployed.

^b Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

^c Data are for barley, corn, oats, rice, rye, and wheat.

^d Data are on a carcass weight, bone-in basis; are for beef, veal, pork, mutton, and horsemeat; and include live exports.

^e Including service traffic.

9/14 : ~~FOREIGN BUREAU~~ CIA-RDP85T00875

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DIRECTION OF FOREIGN TRADE OF

	1960	1961	1962	1963
Total Trade	22.3	23.3	24.9	27.0
Intra-Communist trade (exports)	11.7	12.3	13.3	14.1
Exports to the Free World	5.0	5.1	5.8	6.4
Of which:				
Developed Countries	3.5	3.3	3.4	3.9
Imports from the Free World	5.7	5.9	5.8	6.5
Of which:				
Developed Countries	4.1	4.4	4.3	4.7

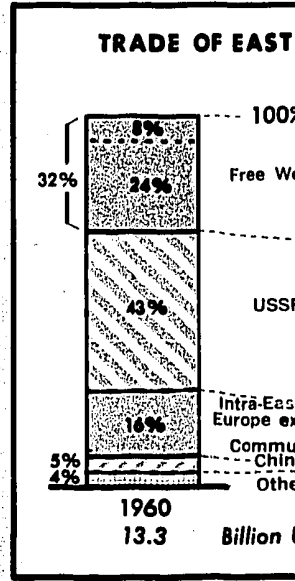
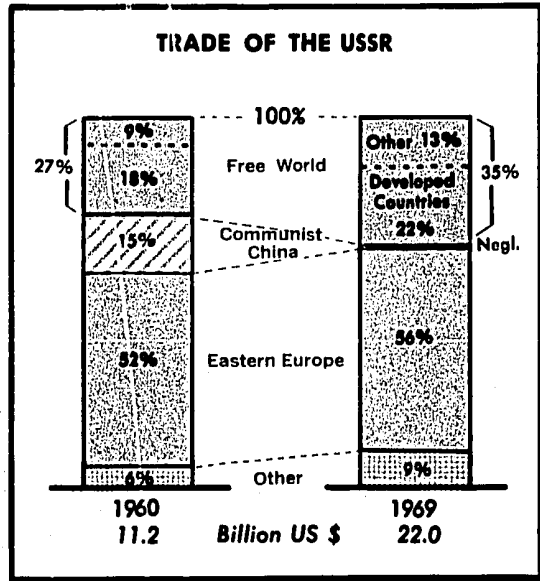
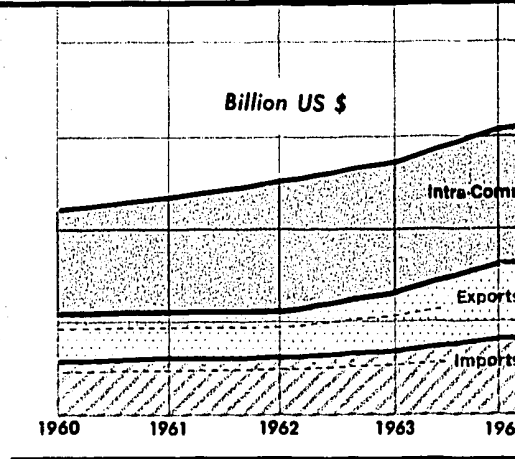
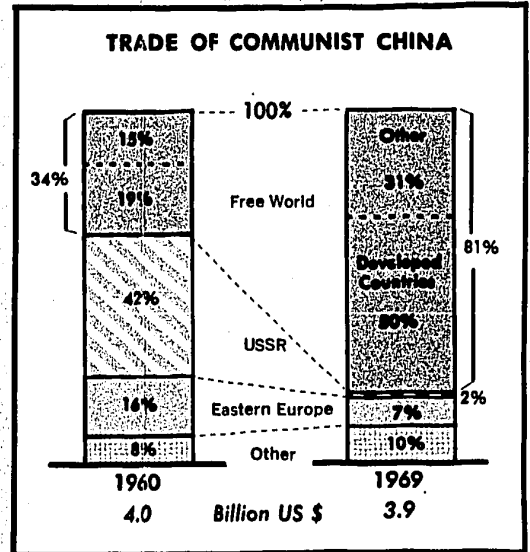
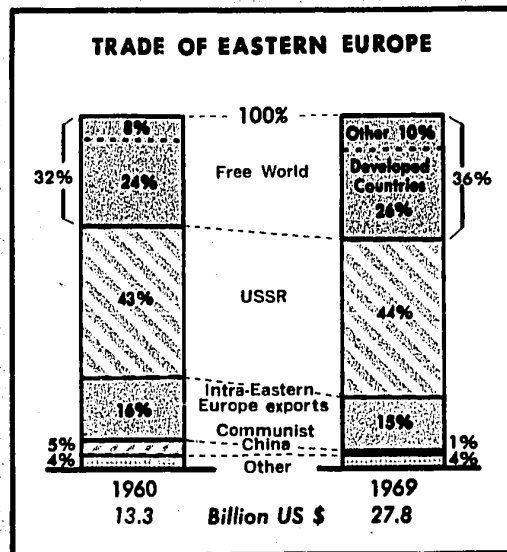
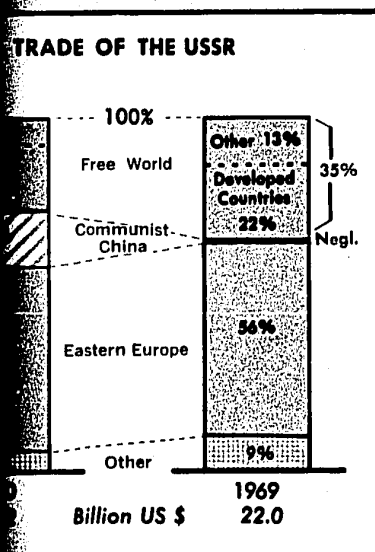
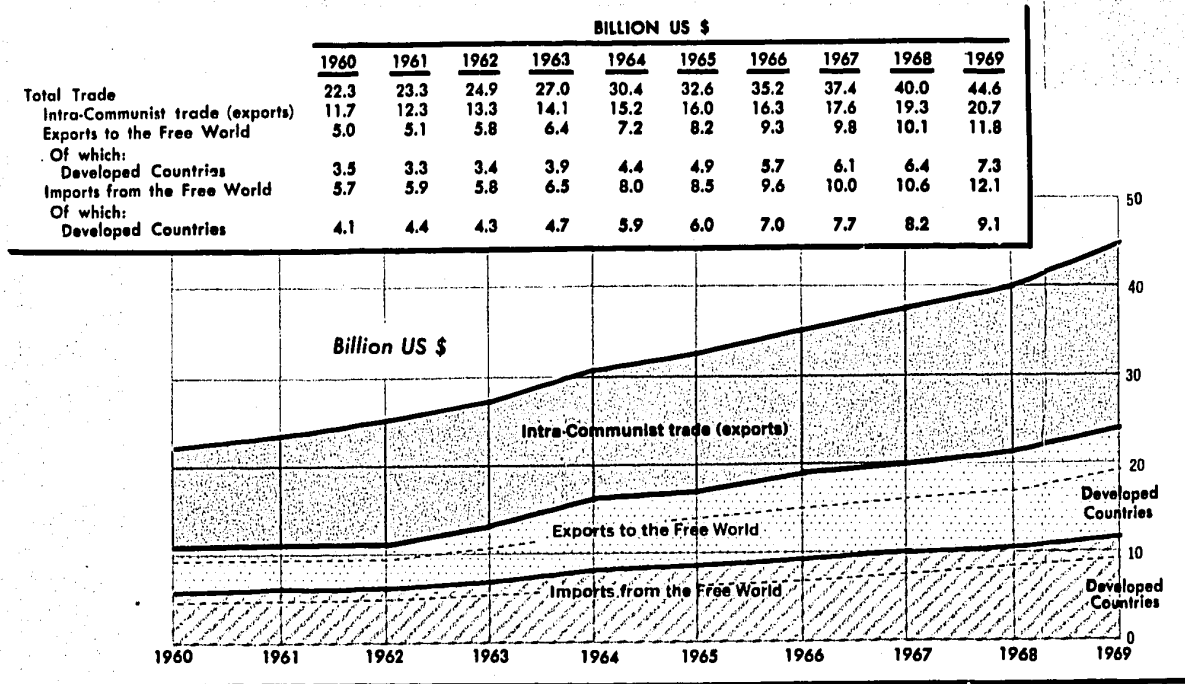


Figure 10

DIRECTION OF FOREIGN TRADE OF THE COMMUNIST COUNTRIES



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Table 47

World Exports,^a by Selected Country and Region

	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

^a Including foreign aid where possible. Data are f.o.b.

Table 48

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

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
US exports to ^a	193.9	133.3	125.4	166.8	339.9	140.0	197.6	195.2	215.0	249.3
USSR ^b	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 ^a	80.9	81.0	78.8	81.4	98.4	137.4	178.6	176.9	198.1	195.1
USSR ^b	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

^a Exports include reexports and are valued f.a.s. Imports are general imports and are valued f.o.b. port of export.

^b Including data for Estonia, Latvia, and Lithuania.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 49

Trade of the US with the USSR, by Commodity ^a

Thousand US \$

	1960	1965	1966	1967	1968
Exports to the USSR ^b					
Total exports ^c	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 ^d					
Total imports ^e	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 ^e	5,738	26,428	30,280	21,752	40,000
Platinum group metals ^e	5,525	22,979	19,048	10,725	24,963
Miscellaneous manufactures.....	317	513	534	721	1,263
Other.....	320	248	178	109	59

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

Table 50

Trade Turnover of the Communist Countries ^a

	Million US \$						Average Annual Rate of Growth ^b (Percent)	
	1960	1965	1966	1967	1968	1969	1961-65	1966-69
COMMUNIST COUNTRIES								
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* ^c	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* ^c	9.8*	11.6*
Far East								
Communist China ^{c d}	3,975*	3,850*	4,205*	3,860*	3,710*	3,885*	-0.6*	0.2*
North Korea ^e	321*	414*	423*	450*	559*	587* ^c	5.2*	9.1*
North Vietnam.....	208 ^c	298 ^e	335 ^e	412 ^e	474 ^e	474 ^e	7.5	12.3
Other								
Albania.....	130*	168* ^c	173* ^c	176* ^c	190* ^c	223* ^c	5.3*	7.3*
Cuba.....	1,168*	1,551*	1,521*	1,718	1,685	1,680 ^c	5.8*	2.0
Yugoslavia.....	1,393*	2,379*	2,796*	2,959*	3,061*	3,610*	11.3*	11.0*

^a An asterisk indicates that the data are unclassified.

^b 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.

^c The base year is the year prior to the stated period.

^d Estimated.

^e Rounded to the nearest US \$5 million.

^f Estimated data based on data of trading partner countries.

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Table 51

Trade Among the Communist Countries *

Million US \$

	Exports by Designated Country					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
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 ^{b c}	1,320*	650*	595*	460*	460*	435*
North Korea ^d	149*	177*	189*	189*	206*	214* ^b
North Vietnam.....	64 ^b	79 ^d	64 ^d	45 ^d	47 ^d	32 ^d
Other						
Albania.....	48*	59* ^b	62* ^b	62* ^b	66* ^b	N.A.
Cuba.....	151*	536*	485*	582	480	420 ^b
Yugoslavia.....	183*	465*	455*	459*	457*	471* ^b
Imports by Designated Country						
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
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 ^{b c}	1,285*	515*	505*	340*	340*	300*
North Korea ^d	160*	180*	170*	192*	256*	275* ^b
North Vietnam.....	118 ^b	180 ^d	237 ^d	350 ^d	410 ^d	418 ^d
Other						
Albania ^e	77*	98* ^b	99* ^b	102* ^b	105* ^b	N.A.
Cuba.....	120*	658*	738*	792	850	815 ^b
Yugoslavia.....	212*	375*	507*	462*	494*	517* ^b

* An asterisk indicates that the data are unclassified.

* 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.

^b Estimated.^c Rounded to the nearest US \$5 million.^d Estimated data based on data of trading partner countries.^e Including imports from non-Communist countries estimated to have been financed by Communist China.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 52

Trade of the Communist Countries with the Free World ^a

Million US \$

	Exports to the Free World					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR and Eastern Europe						
USSR.....	1,352	2,618	2,968	3,275	3,500	3,973
Eastern Europe						
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.
Far East						
Communist China ^{b c}	625	1,345	1,575	1,455	1,430	1,625
North Korea ^d	5	21	32	37	47	50 ^b
North Vietnam ^d	16	23	21	12	10	13
Other						
Albania.....	1	4 ^b	4 ^b	5 ^b	9 ^b	N.A.
Cuba.....	467	150	111	135	145	190 ^b
Yugoslavia.....	383	627	765	793	807	1,004 ^b
Imports from the Free World						
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR and Eastern Europe						
USSR.....	1,650	2,448	2,649	2,591	3,043	3,631
Eastern Europe						
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.
Far East						
Communist China ^{b c}	745	1,340	1,530	1,605	1,480	1,525
North Korea ^d	7	36	32	32	49	70 ^b
North Vietnam ^d	10	15	13	6	7	11
Other						
Albania ^e	4	7 ^b	8 ^b	7 ^b	11 ^b	N.A.
Cuba.....	430	207	187	209	210	260 ^b
Yugoslavia.....	614	913	1,068	1,245	1,303	1,618 ^b

^a 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.

^b Estimated.

^c Rounded to the nearest US \$5 million.

^d Estimated data based on data of trading partner countries.

^e 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 ^a

Million

		Communist Countries					Free World				
		Total Trade	Total	Eastern Europe	Communist China	Other Asian	Other ^b	Total	Developed Countries	Less Developed Countries	Unspec
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.
	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.
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.
	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.
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.
	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.
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.
	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.
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.
	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.
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.
	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.
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.
	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.
1967	Exports	9,652.2	6,377.0	5,038.7	50.3	258.0	1,030.0	3,275.2	1,886.1	993.2	425.
	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.
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.
	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.

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

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 54

Soviet Exports, by Commodity^a

Value in Million

	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	403.0	3.8
Consumer goods.....	890.9	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

^a Official Soviet statistics. Exports are f.o.b.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 55
Soviet Imports, by Commodity^a

Value in Million US

	1960		1965		1966		1967		1968	
	Value	Percent	Value	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			

^a Official Soviet statistics. Imports are f.o.b.

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Table 56

Soviet Exports of Petroleum^a

	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.

^a 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

	1960	1965	1966	1967	1968
	Million US \$				
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.

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Table 58
Direction of Chinese Communist Foreign Trade

	Communist Countries					Free World Countries				Million US \$*	
	Total Trade	Total	Eastern Euro.	USSR	Other ^b	Total	Developed Countries	Less Developed Countries	Hong Kong and Macao		
1958.....	Exports.....	1,910	1,250	280	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	230	225	115	
	Imports.....	1,495	715	160	385	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	365	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	90	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	240	135	50	155	1,805	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 ^c	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.	

* Rounded to the nearest US \$5 million.
^b 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.
^c Preliminary.

Table 59
Chinese Communist Exports, by Commodity*

	1966				1967				1968 ^c				Million US \$
	Total	Communist Countries			Total	Communist Countries			Total	Communist Countries			
		Free World	USSR	Other		Free World	USSR	Other		Free World	USSR	Other	
Total.....	2,170	1,675	145	450	1,915	1,455	55	405	1,890	1,430	35	425	
Foodstuffs.....	265	465	65	65	505	435	15	55	525	450	10	65	
Animals, meat, and fish.....	225	155	45	25	170	150	Negl.	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	Negl.	55	
Oilseeds.....	90	90	0	0	90	90	0	0	85	85	0	0	
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	63	305	830	520	30	280	815	510	20	285	
Textile yarn and fabrics.....	280	200	Negl.	80	245	180	5	60	290	190	5	95	
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	Negl.	0	25	
Nonferrous metals.....	40	30	Negl.	10	35	25	Negl.	10	25	15	Negl.	10	
Other.....	105	105	0	0	60	60	0	0	60	60	0	0	

* 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.
^b Rounded to the nearest \$5 million.
^c Preliminary.

Table 60
Chinese Communist Imports, by Commodity ^a

Million US \$

	1966				1967				1968 ^c			
	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

^a 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.

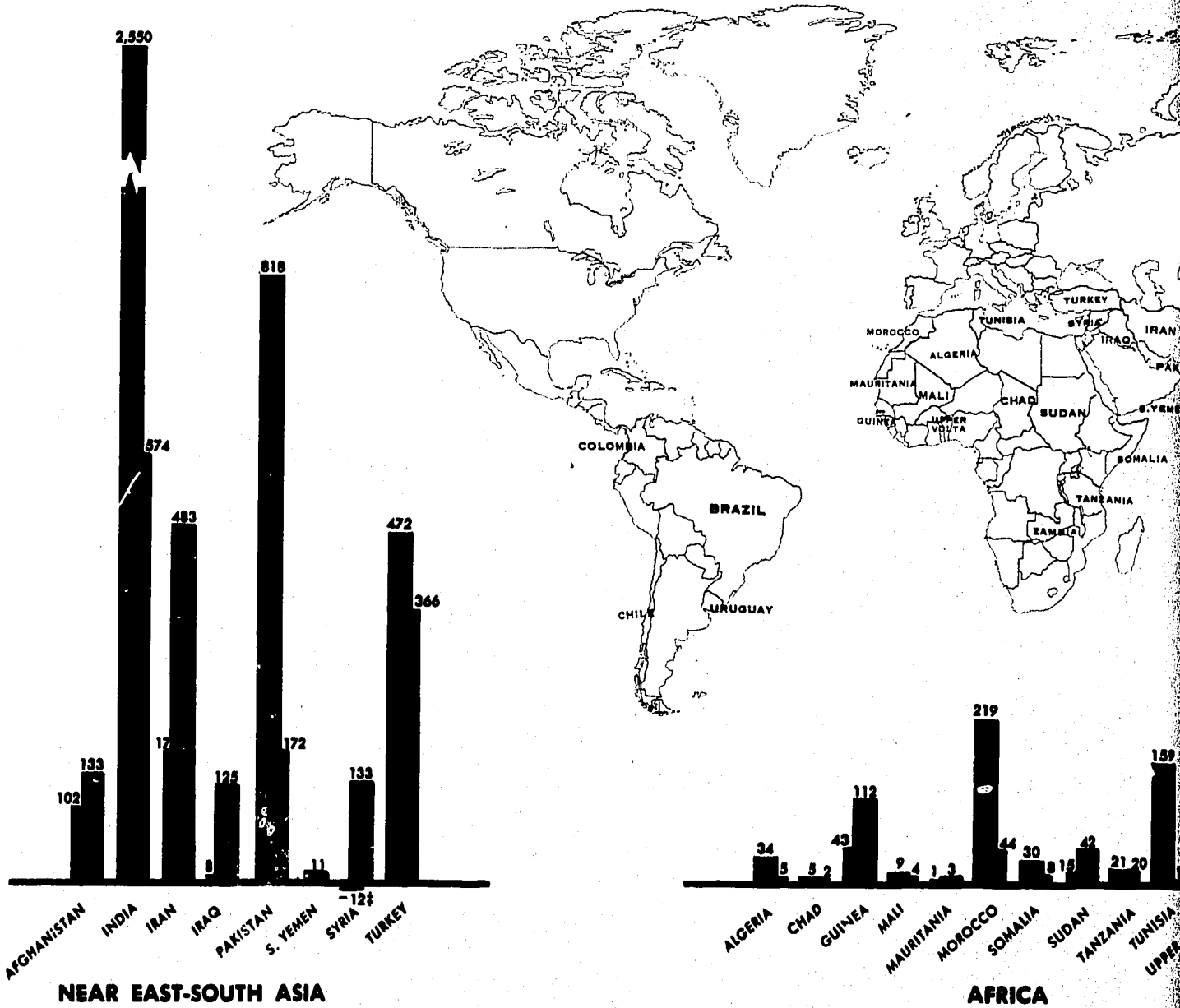
^b Rounded to the nearest \$5 million.

^c Preliminary.

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

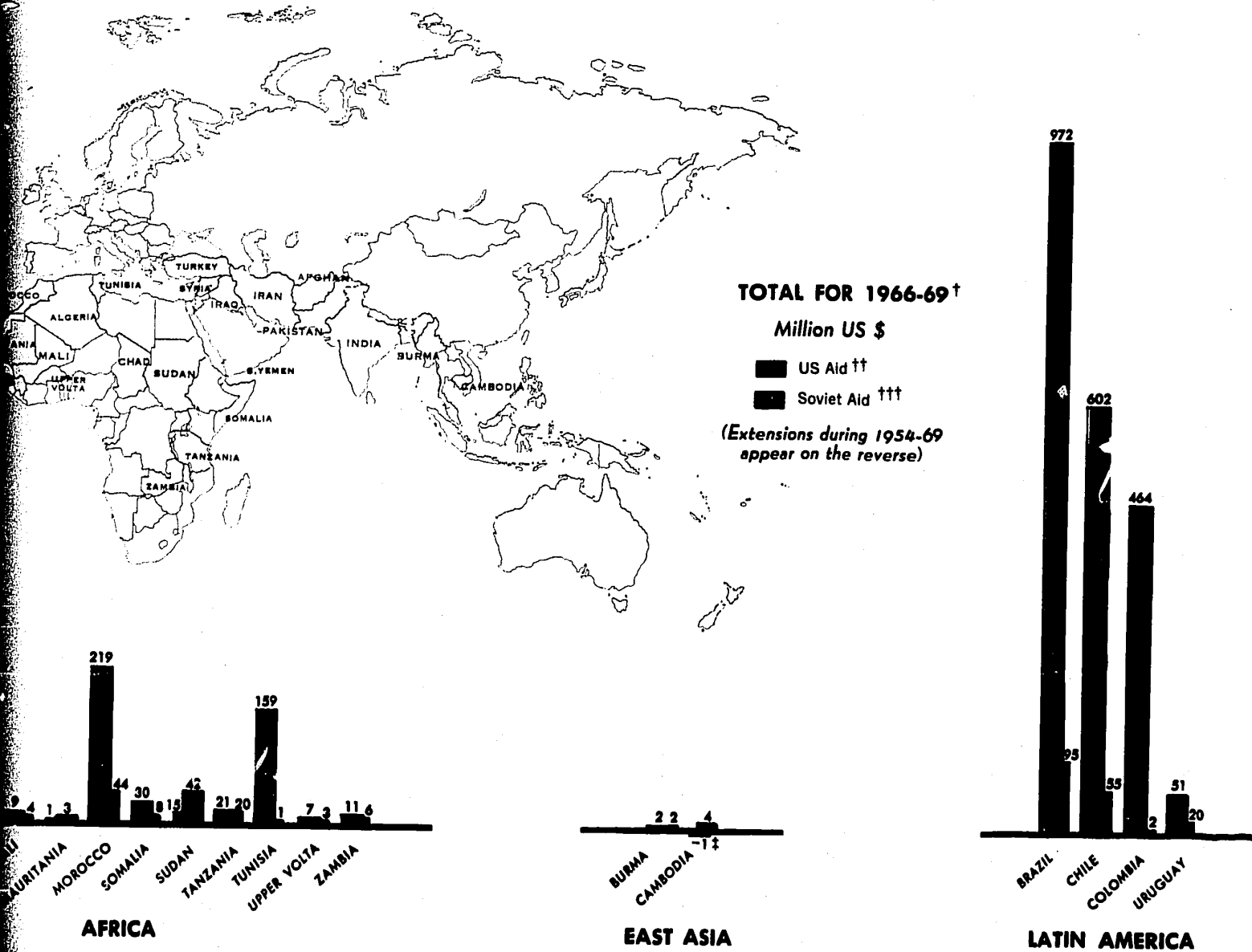


† Except for Southern Yemen, these data include only those less developed countries to which both US aid and Soviet aid were extended during 1966-69 (all those to which Soviet aid was extended but not all to which US aid was extended). US data are for 1 July 1966 to 1 July 1969.

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

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Figure 11



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

† A minus sign indicates deobligations in excess of new obligations.

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

† A minus sign indicates deobligations in excess of new obligations.

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ECONOMIC EXTENSIONS DURING 1954-69 †

Figure 11(Continued)

Million US \$

	US AID ††					SOVIET AID †††				
	1954-69	1969	1968	1967	1966	1954-69	1969	1968	1967	1966
Africa	2,595.8	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	237.5				5.4
Cameroon	32.7	3.7	0.6	1.4	2.1	7.8				
Chad	8.7	0.8	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	5.2	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	596.4	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	6.0	1.0	5.6			5.6	
East Asia	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				
Latin America	6,150.4	330.6	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	95.0				95.0
Chile	1,449.5	107.8	105.9	284.4	104.3	54.8			54.8	
Colombia	1,067.1	128.6	104.6	137.2	93.6	2.5		2.5		
Uruguay	115.2	3.7	37.3	3.2	6.7	20.0	20.0			
Near East-South Asia	17,503.0	706.4	1,154.1	1,159.5	1,369.5	5,190.8	317.5	371.4	209.4	1,099.1
Afghanistan	379.6	21.9	15.2	31.4	33.7	697.4		126.7	5.0	0.9
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						10.6	10.6			
Syria	60.0	0.3	-0.7‡	-11.7‡	0.4	233.3				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	42.6	-Negl.‡	-1.2‡	2.1	7.7	98.0				
Total	27,980.8	1,521.7	2,101.0	2,207.8	2,25	6,837.8	474.0	379.3	290.4	1,281.0

† 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.

†† 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 agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

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

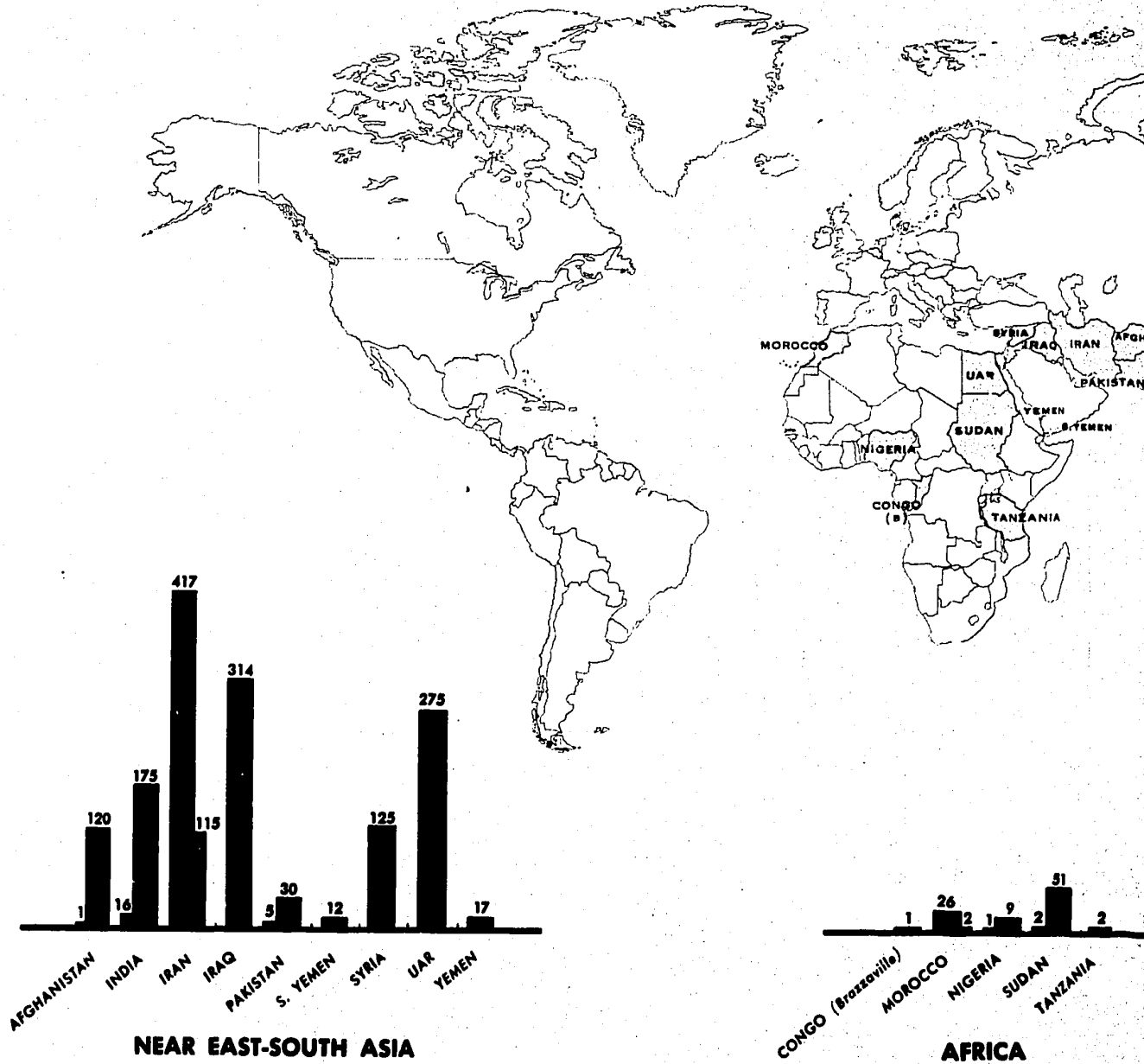
‡ A minus sign indicates deobligations in excess of new obligations.

‡‡ Credits extended after the formation of the Laos Coalition Government under the Geneva Accord of July 1962.

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



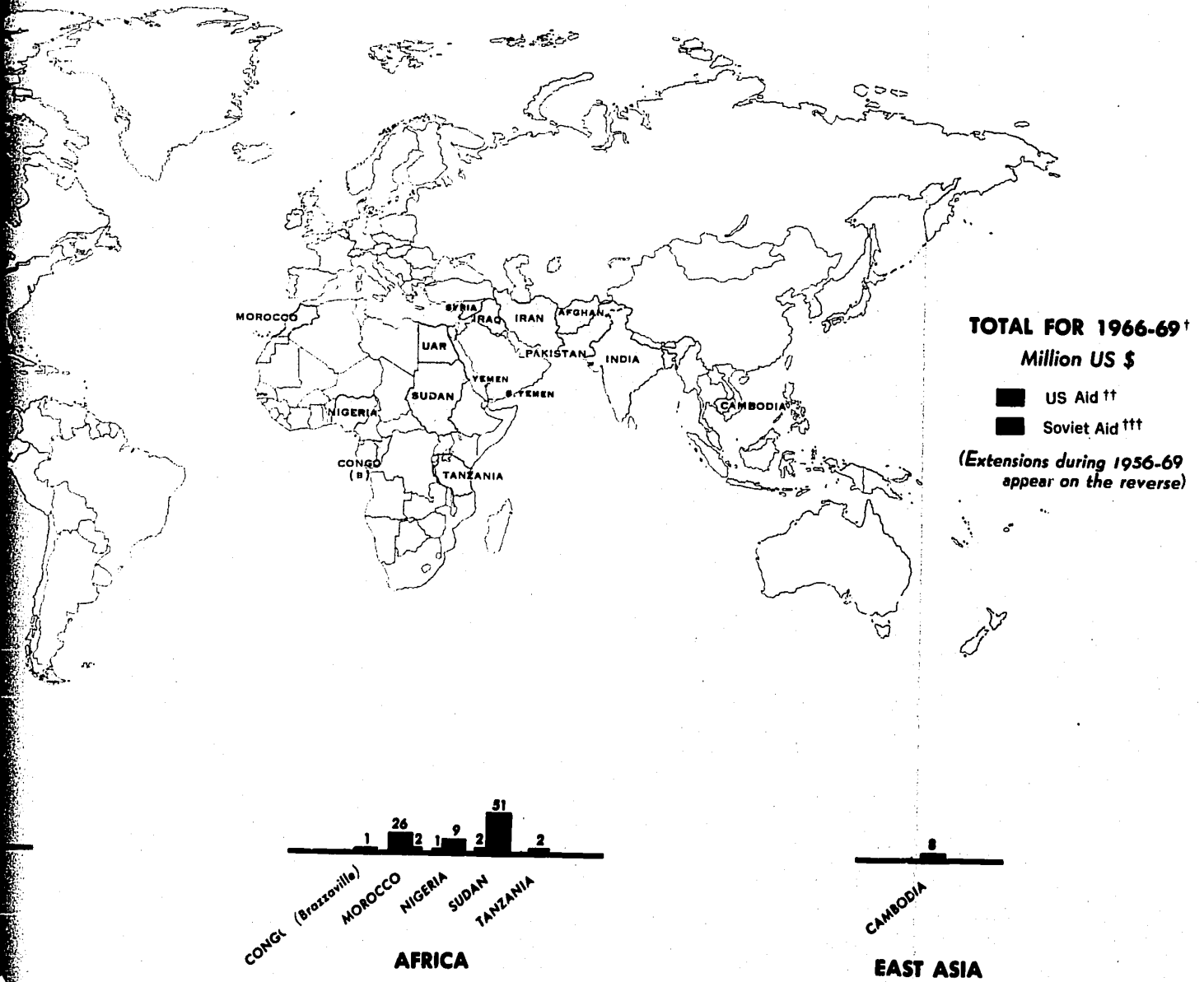
† Including only those less developed countries of the Free World where Soviet aid has been extended during 1964-69 but not all those countries receiving US aid. US data are for 1 July 1968 to 1 July 1969.

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

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Figure 12



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

^{†††} Data are for extensions, not actual draw-
 ings, and include credits and grants.

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Figure 12(Continued)

MILITARY AID DURING 1956-69[†]

Million US \$

	US AID ^{††}					SOVIET AID ^{†††}				
	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	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

[†] 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.

^{††} 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. 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.

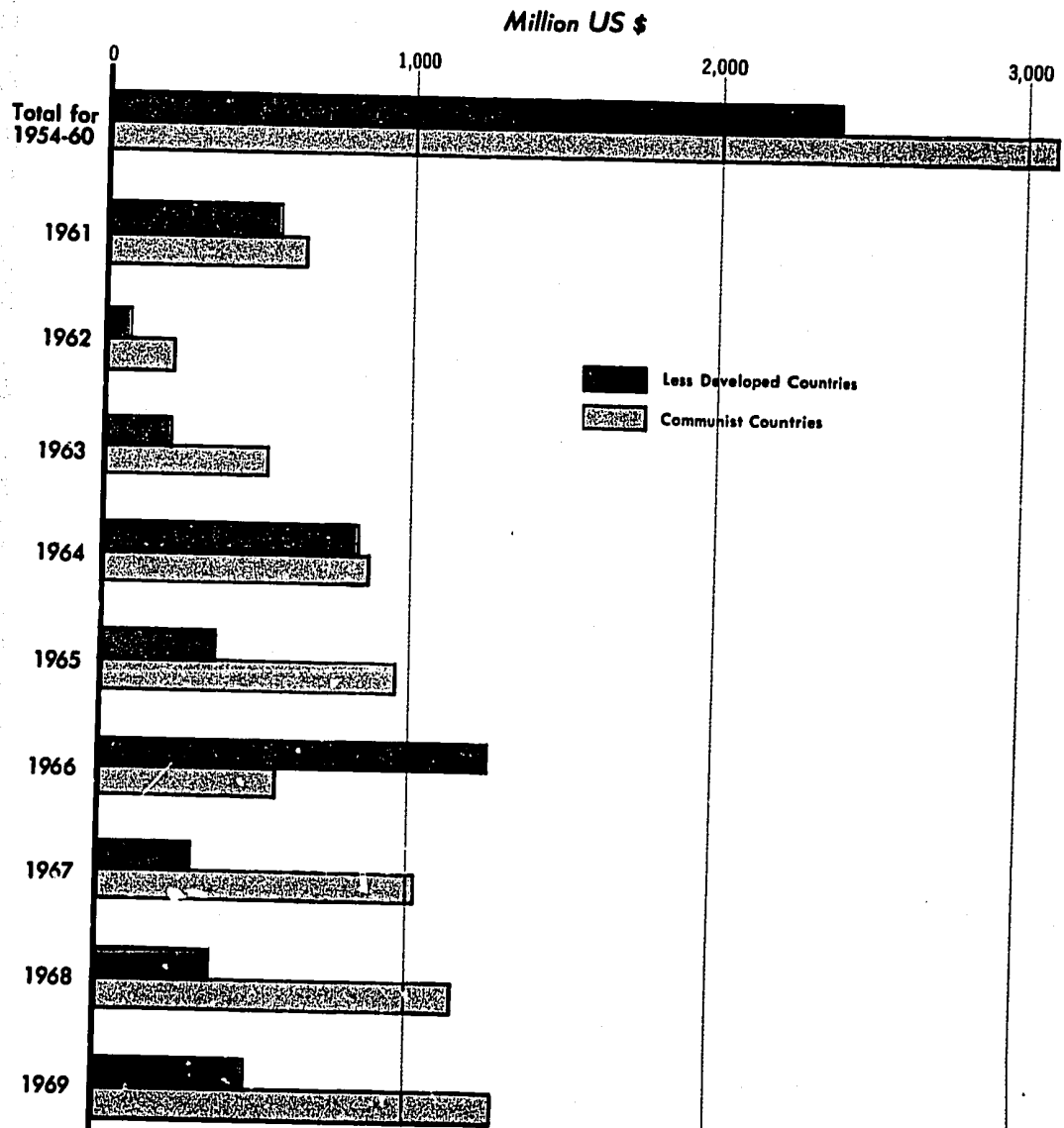
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Figure 13

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



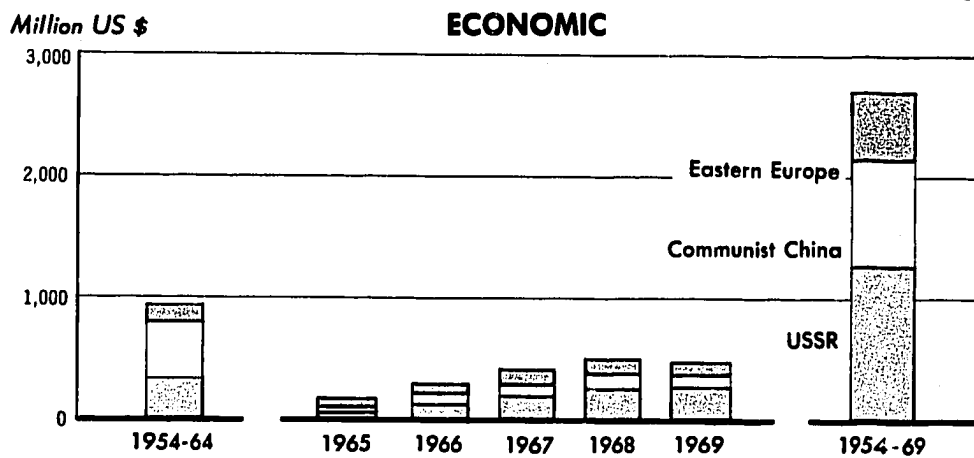
† Excluding data for Eastern Europe during 1954-55 because war reparations and other assets and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years.

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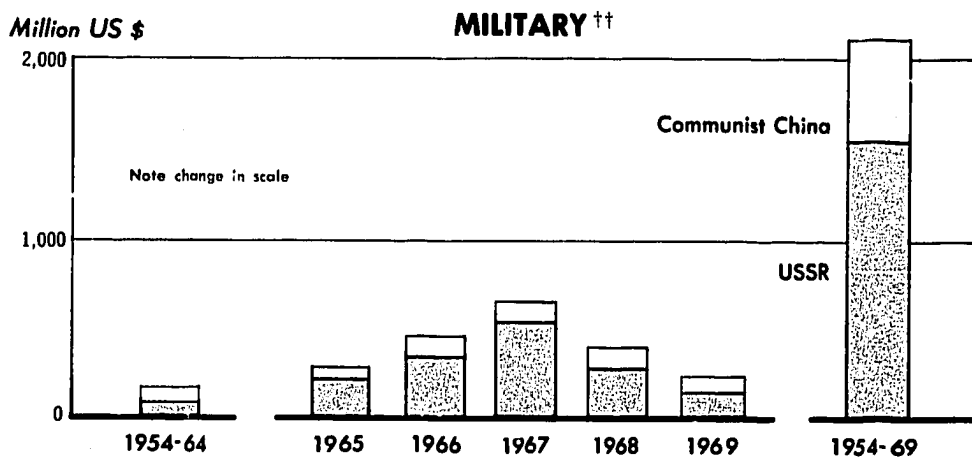
Figure 14

COMMUNIST ECONOMIC AND MILITARY AID DELIVERED TO NORTH VIETNAM†

	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††	140	270	455	650	390	225	2,135†††
USSR	70	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†††
NORTH KOREA							Negl.



† Data are expressed in Soviet foreign trade prices.

†† Data refer exclusively to combat material; excluding aid designed for war-support purposes.

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

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Table 62

Chinese Communist Military Aid Delivered * 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

* Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.

Table 61

Soviet Military Aid Delivered 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 ^b	10	44	5	22	10	44		
Replacement missiles ^c	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.....		0		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	126	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

^a Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.

^b Price per firing battalion includes an allowance for replacement parts and initial complement of missiles.

^c Data based on the estimated number of missiles fired with some provision for stockpiling.

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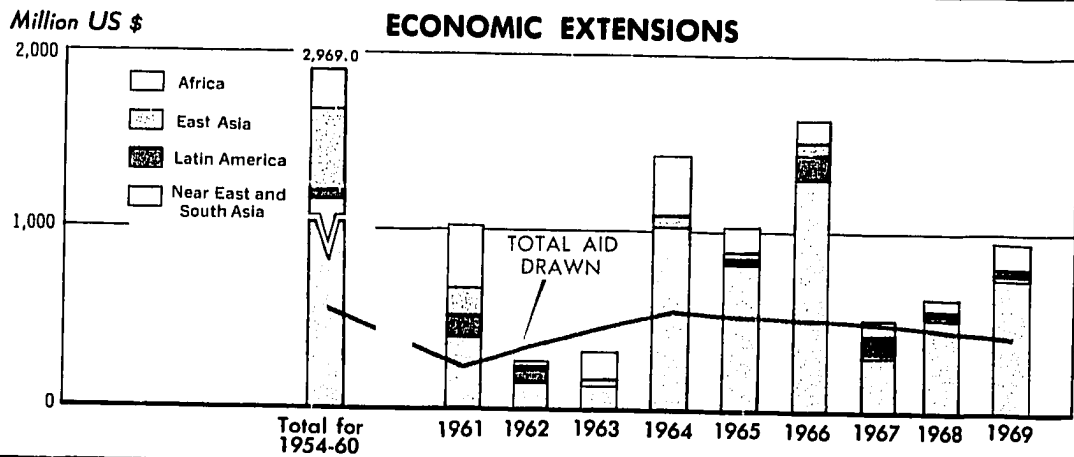
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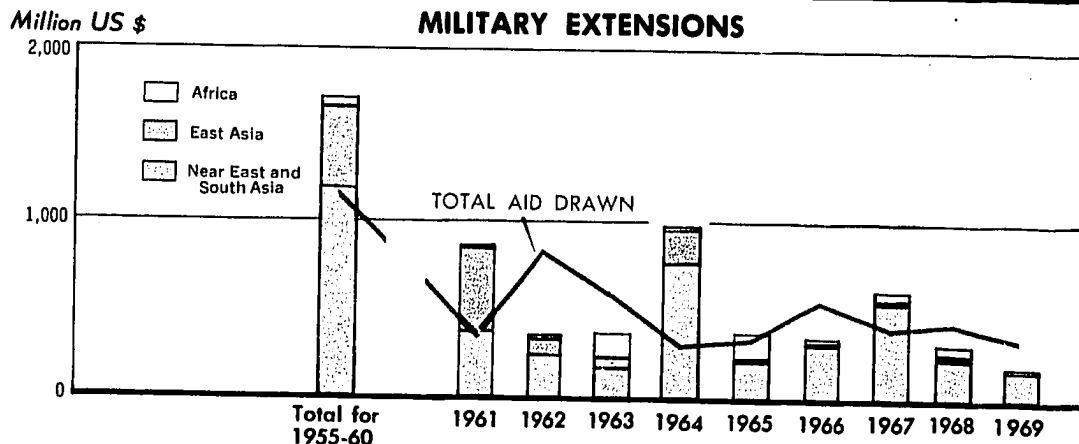
Figure 15

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
ECONOMIC EXTENSIONS	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	31.4
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
TOTAL AID DRAWN	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
MILITARY EXTENSIONS	1,717	843	373	399	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	2
NEAR EAST AND SOUTH ASIA	1,205	385	261	195	772	198	331	590	232	180
TOTAL AID DRAWN	1,143	336	796	576	294	333	541	394	408	341



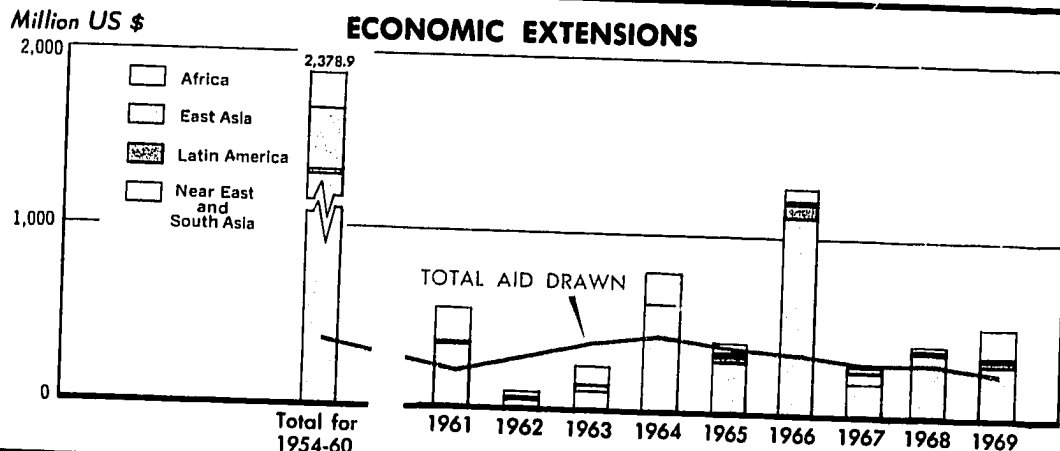
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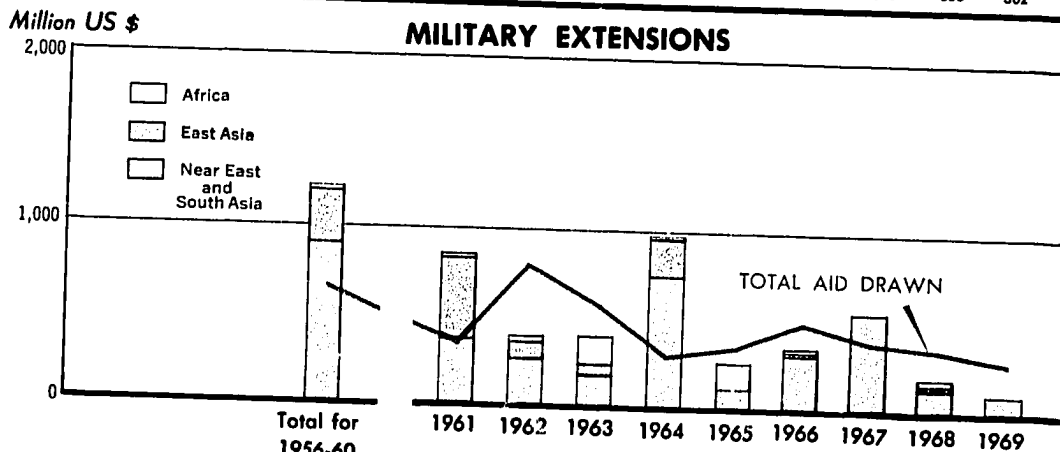
SOVIET ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

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		
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



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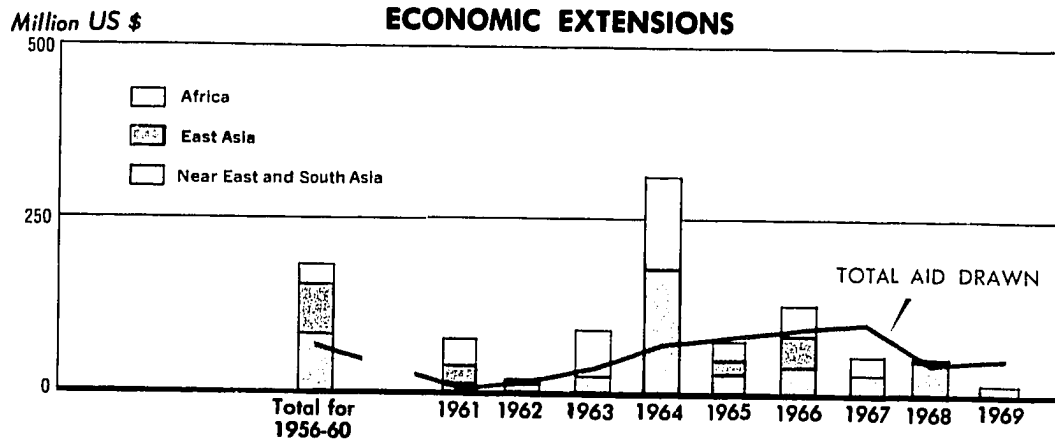
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CHINESE COMMUNIST ECONOMIC AND MILITARY AID TO LESS DEVELOPED COUNTRIES OF THE FREE WORLD EXTENSIONS AND DRAWINGS, BY AREA

Figure 17

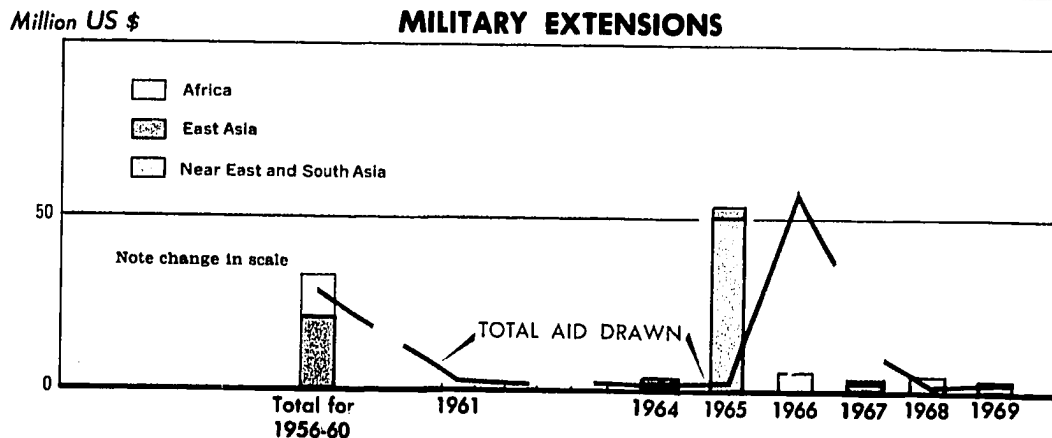
MILLION US \$

	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
ECONOMIC EXTENSIONS	161.3	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 \$

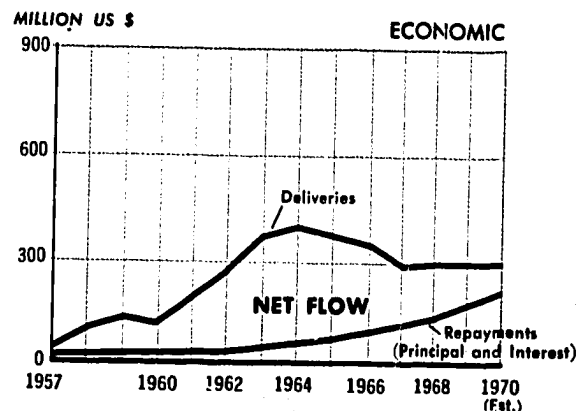
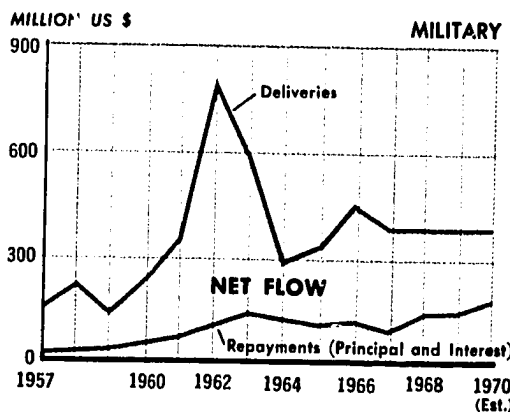
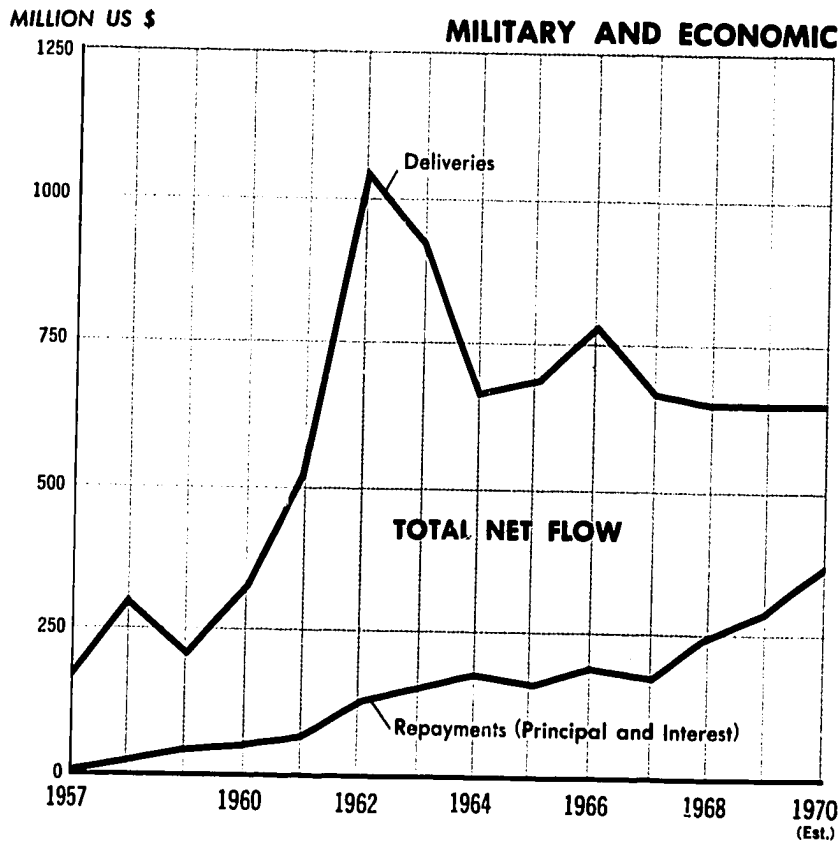
	TOTAL FOR 1956-60	1961	1962	1963	1964	1965	1966	1967	1968	1969
MILITARY EXTENSIONS	33				4	54	7	4	5	3
AFRICA	12									
EAST ASIA	21				4	4	7	1	5	1
NEAR EAST AND SOUTH ASIA						50		3		
TOTAL AID DRAWN	30	3			2	3	56		2	3



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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.

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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

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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	280	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	392	39	36	3	3
Total.....	6,134	5,162	5,306	4,421	718	642	110	99

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 ^a	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 ^b
Principal.....	9.1	43.5	50.4	63.2	73.6	99.3	133.2 ^b
Interest.....	4.2	21.1	23.2	25.8	29.5	38.3	45.8 ^b
Less repayments for military aid.....	30.0	107.1	84.3	91.4	67.8	106.8	129.3 ^b
Principal.....	27.1	98.3	76.5	82.0	54.4	90.0	100.6 ^b
Interest.....	2.9	8.8	7.8	9.4	13.4	16.7	28.7 ^b
Net Flow ^c	71.1	205.6	197.4	157.4	118.4	58.6	-21.3

^a Including grants.

^b Scheduled repayments.

^c 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.

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

Million US \$								
	Total for 1954-64	1965	1966	1967	1968	1969	Total	Percent
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

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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

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Table 67

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

		Million US \$							
		Total for 1954-64	1965	1966	1967	1968	1969	Total	Percent
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	Negl.

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	50.0		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
Total	6,038.0	1,031.3	1,646.6	516.7	606.2	940.3	10,779.1	100.0
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

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Table 68

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

Million US \$

	Total for 1955-64	1965	1966	1967	1968	1969	Total	Percent
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
Total.....	4,328	356	344	614	310	182	6,134	100.0
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

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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 ^b
	Medium Tanks	Light Tanks	Self-Propelled Assault Guns	Personnel Carriers ^a	Artillery Pieces	De-royers	Sub-marines	Mine-sweepers	Sub-marine Chasers	Motor Torpedo and Missile Boats	
Africa											
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						
East Asia											
Cambodia.....				15	37						
Near East and South Asia											
Afghanistan.....	32			117	97						
India.....	30				42		3		3		6
Iran.....				600	409						
Iraq.....	150		30	400	235						
Pakistan.....	60										
Southern Yemen.....	33				50						
Syria.....	215	23	50	130	400						
United Arab Republic.....	500	12		220	525	2 ^c	1 ^c	6		9	11

^a Armored and amphibious.

^b Including auxiliary vessels and landing craft.

^c Received in exchange for older models returned to the USSR.

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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 ^a		
	Medium Jet Bombers	Light Jet Bombers	Jet Fighters	Heavy Transports	Other ^b	Air-to-Air ^c	Surface-to-Air ^d	Surface-to-Surface ^e
Africa								
Algeria.....		6	27		10	2	f	3
Congo (Brazzaville).....					2			
Guinea.....					4			
Nigeria.....			33		13			
Somalia.....			8					
Sudan.....			12		4	12		
Uganda.....			5		8			
East Asia								
Cambodia.....					1			
Near East and South Asia								
Afghanistan.....			21	1	2	18	1	
India.....			75 ^g		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					

^a Data reflect numbers of aircraft, ships, and sites having missile capability.

^b Including nonjet combat aircraft, trainers, transports, and helicopters.

^c Number of fighter aircraft equipped with AAM's (two to four per aircraft).

^d Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).

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

^f An undetermined number of SAM's have been received.

^g Excluding those fighters assembled at the aeronautics plant in Nasik.

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 ^a	
	Medium Tanks	Personnel Carriers ^b	Artillery Pieces	Submarines	Mine-sweepers and Submarine Chasers	Other	Jet Fighters	Light Jet Bombers	Heavy Transports and Other	Air-to-Air ^c	Surface-to-Air ^d
Africa											
Nigeria.....			80				9		3		
Somalia.....	46		54								
Sudan.....	12	12					12		4	12	
Uganda.....		24									
Near East and South Asia											
Afghanistan.....							3				
India.....				2	1 ^e	1	18		19		
Iran.....		300	195								
Iraq.....		200			2 ^f		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 ^g	3	49	4	23 ^h	31	

^a Data reflect numbers of aircraft and sites having missile capability.

^b Armored and amphibious.

^c Number of fighter aircraft equipped with AAMs (two to four per aircraft).

^d Number of SAM firing battalions, or sites (six launchers per site, four missiles per launcher).

^e Submarine chaser.

^f Minesweepers.

^h Including three heavy transports.

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Table 72

Academic, Technical, and Military Trainees ^a 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

^a Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.

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Table 73

Military Personnel from Less Developed Countries Trained in Communist Countries ^a

	Departures to Communist Countries						Being Trained, December 1969			
	1968 ^b			1969 ^c			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		

^a Rounded to the nearest five persons. Data refer to the number of persons departing for or in training but not necessarily completing training.

^b No personnel departed for training in Communist China in 1968.

^c No personnel departed for training in Eastern Europe in 1969.

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Table 74

Communist Economic and Military Technicians^a 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 ^b	695	100	1,200	1,200	
Chad.....	35	35					
Congo (Brazzaville).....	369	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 ^c	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	180	850 ^d	235	35	200
Tunisia ^e	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 ^f	35	10	25
Southern Yemen.....	85	50	25	10 ^g	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	

^a 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.

^b Including 15 Cubans.

^c Including 30 North Vietnamese and 50 North Koreans.

^d Including five North Koreans.

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

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

^g All are North Koreans.

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 75

Production of Sulfuric Acid ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	31,000*	41,000*	44,800*	45,900* ^c	46,600* ^c	47,400* ^c
United States ^d	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 ^e	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* ^f	Italy.....	2,299*	2,979*	3,204*	Turkey.....	23*	20*	30* ^g
Denmark.....	198*	239*	209* ^f	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* ^h	4,464* ^h

* An asterisk indicates that the data are unclassified.

^a Pure (monohydrate) sulfuric acid (100% H₂SO₄).^b Including only data for the United States and those countries listed under "Other NATO Countries."^c Excluding data for Greece.^d Including appreciable amounts produced in government-owned privately operated plants.^e Including oleum for all years except the terminal year.^f Data are for the previous year.^g Including data for West Berlin, for which separate data are not available.

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Table 76

Production of Synthetic Ammonia ^a

Thousand Metric Tons of Nitrogen

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	7,320* ^c	12,600*	14,400*	16,400*	16,900*	N.A.*
United States ^d	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*	513*	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.

^a Unless otherwise indicated, nitrogen content of synthetic ammonia.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Excluding data for Canada.

^d Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.

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Table 77

Production of Caustic Soda ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	6,780*	9,500*	10,500* ^c	11,200* ^c	12,200* ^c	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 ^d	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.

^a Pure caustic soda (100% NaOH), including tonnage not commercialized but used on the spot for processing.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Excluding data for Greece and Portugal.

^d Including regenerated caustic soda.

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Table 78

Production of Mineral Fertilizer, Nutrient Content ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	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.

^a Nitrogen fertilizer (in terms of nitrogen), phosphorous fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

^b Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.

Table 79

Production of Mineral Fertilizer in the US and the USSR
 (In Terms of Soviet Statistical Reporting Units ^a)

	Thousand Metric Tons					
	1960	1965	1966	1967	1968	1969
United States ^b	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

^a 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.

^b 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 ^a	2,851	5,300	6,162	6,256	7,421	8,405
USSR.....	312	803	971	1,114	1,291	1,452

^a 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 ^a	620.2	717.0	715.7	760.0	750.0	760.0
Malaysia ^b	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 ^a	170.8	217.4	218.0	220.0	258.8	266.0

^a Exports plus estimated consumption.

^b Including data for Malaya and Singapore, Sarawak, and Sabah.

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Table 82

Production of Synthetic Rubber

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES^a	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 ^b	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.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Including Pervinan and Plastikator.

Table 83

Production of Rubber Tires^a 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* ^b
Czechoslovakia ^c	1,324*	1,792*	1,994*	2,195*	2,396*	2,635*
East Germany ^d	2,714*	3,750*	3,930*	4,204*	4,340*	4,546*
Hungary ^b	336*	581*	644*	699*	591*	598*
Poland.....	1,223* ^e	2,818*	3,031*	3,082*	3,721*	4,540*
Romania ^f	352*	1,329*	1,640*	1,760*	1,929*	2,147*
Other						
Cuba.....	343*	197	306	414	N.A.	N.A.
Yugoslavia ^g	391*	955*	1,613*	1,578*	1,780*	2,294*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.

^b Excluding motorcycle tires.

^c Excluding motorcycle and bus tires and, beginning in 1966, tractor tires.

^d Including solid rubber tires.

^e Excluding motorcycle, tractor, and agricultural tires.

^f Including aircraft tires.

^g Automobile, motorcycle, and aircraft tires only.

Table 84
Production of Primary Energy^a

	Million Metric Tons of Coal Equivalents					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES^b	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 ^c	22.6*	20.5*	13.8*	Iceland.....	0.3*	0.4*	0.4*	Portugal.....	2.2*	2.6*	3.5*
Canada.....	120.1*	183.7*	241.9*	Italy.....	37.7*	41.2*	47.0*	Turkey.....	5.3*	8.6*	12.6*
Denmark.....	0.8*	0.7*	0.4*	Netherlands.....	15.5*	16.9*	40.2*	United Kingdom.....	199.8*	202.1*	179.2*
France.....	86.2*	90.0*	86.1*	Norway.....	17.4*	27.3*	31.8*	West Germany.....	188.7*	190.5*	173.1*
Greece.....	1.5*	2.1*	2.8*								

* An asterisk indicates that the data are unclassified.
^a 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.
^b 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.
^c Including data for Luxembourg.

Table 85

Production of Hard Coal^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES^b	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 ^c	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 ^d	12.5*	11.4*	5.6*	Turkey	3.7*	4.4*	4.8* ^f
Canada	8.0*	8.6*	7.8*	Norway ^e	0.4*	0.4*	0.4*	United Kingdom ^g ..	196.7*	190.5*	161.1*
France	56.0*	51.4*	40.6*	Portugal	0.4*	0.4*	0.4*	West Germany ^h ..	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 ^b	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.

^a Unless otherwise indicated, data are for anthracite and bituminous coal.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including a negligible amount of brown coal.

^d Including low-quality coal at its hard-coal equivalent.

^e Data are for Norwegian mines in Svalbard only.

^f Data are for the previous year.

^g Excluding data for Northern Ireland.

^h Including waste.

Table 86

Production of Brown Coal and Lignite

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES*	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 ^b						
North Korea ^c	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* ^d
Denmark.....	2.3*	2.1*	1.2* ^d	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*	<i>Negl.*</i>				

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.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Negligible production for Communist China.

^c Including unknown amounts of hard coal.

^d Data are for the previous year.

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Table 87

Production of Metallurgical Coke ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	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* ^c	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 ^d	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 ^e	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 ^f	3,514*	3,963*	4,451*	Netherlands ^f	4,517*	4,285*	2,004*	West Germany ^h ..	44,681*	43,294*	39,012*
France ^f	13,635*	13,409*	13,536*	Turkey.....	529*	1,431* ^f	1,430* ^f *				

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

^b Net production, excluding coke consumed by coking plants and including only data for the United States and those countries listed under "Other NATO Countries."

^c Data include foundry coke, not suitable for blast furnaces.

^d A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

^e Excluding coke made in beehive, clamp, native, and "small modern" furnaces.

^f Including breeze coke.

^g Data are for the previous year.

^h Including electrode coke but excluding low-temperature coke.

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Table 88

Production of Crude Oil^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^{b,c}	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	Negl.*	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 ^{c,d}	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*	N.A.	N.A.
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*	2,305*	2,016*	United Kingdom	146*	82*	80* ^e
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^c

	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 (neutral zone)	7,289*	19,349*	24,132*	Saudi Arabia	62,068*	101,033*	146,628*
Indonesia	20,596*	23,920*	29,712* ^e	Mexico	14,171*	16,874*	20,345* ^e	Venezuela	149,372*	182,409*	188,124*
Iran	52,392*	94,126*	166,872*								
Iraq	47,467*	64,474*	74,472*								

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for crude oil and exclude shale oil, natural gasoline, and synthetic crude oil.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including shale oil.

^d Including small quantities of synthetic crude oil.

^e Data are for the previous year.

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Table 89

Production of Petroleum Products ^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	547*	766*	822*	870*	938*	N.A.*
United States.....	356.8*	420.3*	438.1*	457.5*	481.2*	495.0*
COMMUNIST COUNTRIES ^c						
USSR and Eastern Europe.....	134	206	221	240	258	277
USSR.....	113.9	172.4	185.4	202.2	215.7	230.0
Eastern Europe.....	20.1	33.1	35.3	37.9	42.3	47.3
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.....	Negl.*	3.6*	6.6*	Netherlands.....	18.5*	29.1*	36.5*	United Kingdom.....	40.9*	60.9*	77.0*
France.....	29.8* ^d	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.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

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

^d Including data for Algeria.

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Table 90
Production of Natural Gas ^a

	Million Cubic Meters					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	384,000*	513,000*	552,000*	589,000*	638,000*	693,000*
United States ^c	359,673*	454,198*	487,240*	514,557*	547,152*	583,390*
COMMUNIST COUNTRIES ^d						
USSR and Eastern Europe	57,800*	148,000*	166,000	183,000	198,000	214,000
USSR ^e	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*	2,601*	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* ^e	2,798*	6,488* ^f
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* ^f	Mexico ^g	9,665*	13,965*	17,028*	Venezuela	4,606*	6,538*	7,754* ^f
Japan	676*	1,726*	2,160*								

* An asterisk indicates that the data are unclassified.

^a Data include only gas from natural gas wells and associated gas from petroleum fields.

^b 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.

^c 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.

^d Gross production.

^e Production from gasfields only.

^f Data are for the previous year.

^g Including gas used for repressuring and gas wasted.

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Table 91

Production of Electric Power ^a

Billion Kilowatt-Hours

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	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 ^c	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.

^a Data are for total (gross) production at generating centers and therefore include transmission losses and station use. (See footnote b.)

^b 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.

^c Data are for the year beginning 1 April of the stated year.

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Table 92

Installed Electric Power Generating Capacity^a in Selected Free World and Communist Countries

Thousand Kilowatts

	1960	1965	1966	1967	1968	1969
FREE WORLD COUNTRIES						
United States.....	186,534*	254,519*	266,816*	288,185*	310,181*	331,905* ^b
Canada.....	23,035*	29,348*	30,765*	32,965*	35,998*	N.A.* ^b
France.....	21,851*	28,209*	30,217*	31,613*	34,260*	N.A.* ^b
Italy.....	17,686*	25,398*	26,757*	28,759*	30,264*	N.A.* ^b
United Kingdom.....	36,702*	49,346*	51,810*	55,732*	60,000*	62,000* ^b
West Germany.....	27,087*	40,123*	42,434*	45,495*	47,200*	N.A.* ^b
India ^c	5,650*	10,173*	11,442*	13,329*	14,300*	15,930* ^b
Japan ^c	23,657*	41,016*	44,952*	49,545*	53,187*	N.A.* ^b
COMMUNIST COUNTRIES						
USSR and Eastern Europe						
USSR.....	66,721*	115,033*	123,007*	131,727*	142,504*	154,500* ^b
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* ^b
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 ^d	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.

^a All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

^b 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.

^c Data are for the year beginning 1 April of the stated year.

^d Percentage out of operation as a result of bomb damage is as follows: 1965, 27%; 1966, 32%; 1967, 65%; 1968, 45%; and 1969, 40%.

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Table 93

Production of Crude Steel ^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	194*	244*	243*	241*	257*	274*
United States ^c	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 ^d	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* ^e
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* ^f	45.31* ^f
Greece.....	0.06*	0.21*	0.21* ^e								

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* ^g	6.49* ^g	South Africa...	2.11* ^h	3.29*	4.63*				

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for ingots and steel for castings.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Excluding steel for castings made in foundries operated by companies not producing ingots.

^d Including an estimate for steel for castings for all years.

^e Data are for the previous year.

^f Including data for West Berlin, for which separate data are not available.

^g Ingots only.

^h Including finished castings for sale.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 94

Production of Rolled Steel ^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	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 ^c	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								

^a Unless otherwise indicated, data are for hot-rolled steel.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including steel forgings and rolled wrought-iron products.

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

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Table 95

Production of Pig Iron and Blast-Furnace Ferroalloys^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	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* ^c	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 ^d ...	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* ^e	33,760* ^e

Other Free World Countries^f

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Australia ^g ...	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* ^h	South Africa....	2,000*	3,603*	4,356*				

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including 13.4 million metric tons made in "small blast furnaces," of which 6.5 million metric tons was usable for steelmaking.

^d Including small quantities of foreign-produced pig iron returned to furnaces.

^e Including data for West Berlin, for which separate data are not available.

^f Data may include some electric-furnace ferroalloys.

^g Excluding ferroalloys.

^h Data are for the previous year.

Table 96

Production of Iron Ore ^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	218*	220*	217*	205*	219*	216*
United States ^c	89.04*	89.18*	92.16*	85.55*	85.65*	90.67*
COMMUNIST COUNTRIES ^d						
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*	2.60*
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* ^e	5.00*	5.46	5.50	6.20
North Vietnam	0.02*	0.40	0.30	N.A.	N.A.	N.A.
Other						
Albania ^f	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 ^g	19.55*	36.25*	38.15*	Italy	1.25*	0.81*	0.77*	Turkey	0.79*	1.55*	1.90* ^h
Denmark	0.07*	0.04*	0.02* ^h	Luxembourg	6.98*	6.32*	6.31*	United Kingdom ⁱ	17.36*	15.66*	12.30*
France	66.91*	59.52*	55.14*	Norway ^j	1.58*	2.42*	3.70*	West Germany ^k	14.18*	7.95* ^l	6.06* ^l

Other Free World Countries

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Austria	3.54*	3.54*	3.98*	Japan ^m	2.85*	2.52*	1.86*	Sweden ⁿ	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.

^a Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

^b 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.

^c Excluding manganiferous iron ore containing 5% or more of manganese.

^d 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%.

^e Based on an announced increase for 1965 of 24% applied to 1964 plan data.

^f Iron-nickel ore that is mined for its nickel content.

^g Shipments.

^h Data are for the previous year.

ⁱ Data are for concentrates only and exclude titaniferous ores.

^j Excluding certain grades.

^k Merchant ores and concentrates.

^l Including data for West Berlin, for which separate data are not available.

^m Including iron sand and ferro-manganese ore.

ⁿ Including concentrates.

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Table 97

Production of Manganese Ore^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES^b	189*	107*	103*	99*	105*	N.A.*
United States ^c	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.

^a 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%.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Shipments.

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Table 98

Production of Refined Nickel^a

Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES^b	205,000*	240,000*	230,000*	258,000*	271,000*	N.A.*					
United States ^c	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 ^d	14,700	28,200	27,900	32,000	37,000*	37,000*					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968					
Canada ^e	114,735*	147,000*	168,000*	Italy.....	500*	350*	N.A.*	United Kingdom..	34,300*	40,487*	41,650*
France ^f	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.
^a Unless otherwise indicated, data are for refined metal.
^b Including only data for the United States and those countries listed under "Other NATO Countries."
^c 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.
^d Nickel content of oxides and sulfides.
^e Including nickel and content of oxides and salts produced, plus exports of recoverable nickel in matte and concentrates.
^f Excluding data for New Caledonia.

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Table 99
Production of Chromite^a

	Thousand Metric Tons						
	1960	1965	1966	1967	1968	1969	
NATO COUNTRIES^b	279*	264*	298*	254*	240*	N.A.*	
United States ^c	37.4* ^d	Negl.*	Negl.*	Negl.*	Negl.*	Negl.*	
COMMUNIST COUNTRIES^e							
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* ^f	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							
	<u>1960</u>	<u>1965</u>	<u>1968</u>	<u>1960</u>	<u>1965</u>	<u>1968</u>	
Greece	20.6*	21.5*	5.1*	Turkey	220.7*	242.2*	234.9*

* An asterisk indicates that the data are unclassified.

^a Estimated chromic oxide (Cr₂O₃) content of ores mined. In many instances, data are only approximate.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Shipments.

^d Production for the Federal Government only.

^e 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%.

^f US imports.

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Table 100
Production of Molybdenum^a

	Metric Tons										
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	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 ^c	348*	4,335*	13,154*	Norway.....	246*	239*	272*d				
Other Free World Countries											
	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.

^a Molybdenum content of ores and concentrates.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Shipments.

^d Data are for the previous year.

Table 101

Production of Cobalt^a

	Metric Tons					
	1960	1965	1966	1967	1968	1969
FREE WORLD COUNTRIES						
Canada ^b	1,618*	1,655*	1,593*	1,635*	1,805*	1,451*
Congo (Kinshasa) ^c	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 ^c	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.

^a Unless otherwise indicated, data are for the cobalt content of ores mined.

^b Including metal, salts, and oxides recovered from smelter products and residues exported.

^c Cobalt content of alloys.

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Table 102

Production of Tungsten Ore ^a

Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	10,300*	11,700*	13,200*	10,800*	15,200*	N.A.*
United States ^c	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*	Italy.....	7*	1*
France.....	683*	0*	0*	Portugal.....	2,917*	1,643*
						2,722*
Other Free World Countries						
	1960	1965	1968	1960	1965	1968
Australia.....	1,882*	1,992*	2,412*	Congo (Kinshasa) ^e	575*	214*
Bolivia ^d	2,150*	1,823*	3,813*	South Korea.....	5,734*	4,479*
Burma ^e	944*	334*	293*	Spain.....	934*	47*
				Thailand.....	442*	555*
						942*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for the estimated tonnage of tungsten concentrates, 60% tungsten trioxide (WO₃) basis.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Shipments.

^d Exports.

^e Including WO₃ in tin-tungsten concentrates.

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Table 103
Production of Gold ^a

Million US \$

	1960	1965	1966	1967	1968	1969
FREE WORLD COUNTRIES						
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*
COMMUNIST COUNTRIES						
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.

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

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Table 104

Production of Refined Copper ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	2,850*	3,280*	3,300*	2,760*	3,180*	3,410*
United States ^c	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 ^d	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* ^e

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.

^a Unless otherwise indicated, data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including production from secondary plants and copper refined by manufacturers for their own use.

^d Blister copper.

^e Including data for West Berlin, for which separate data are not available.

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Table 105

Production of Primary Aluminum

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^a	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 ^b	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 ^c	171*	276*	502*	West Germany.....	169*	238* ^d	263* ^d
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.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Primary aluminum and aluminum alloys.

^c Including the pure content of virgin alloys.

^d Including data for West Berlin, for which separate data are not available.

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Table 106

Production of Bauxite

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^a	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 ^b	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 ^c	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* ^d
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.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Excluding nonbauxite ore such as nepheline and alunite for the production of alumina.

^c 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.

^d Data are for the previous year.

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Table 107

Smelter Production of Lead *

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	845*	915*	939*	933*	991*	1,180*					
United States ^c	346.9*	379.4*	399.8*	344.6*	423.9*	595.2*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	436	608*	647*	703*	736*	775*					
USSR	324.0*	433.0*	463.0*	495.0*	528.0*	563.0*					
Eastern Europe	112	175*	184*	208*	208*	212*					
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 ^d	39.7*	41.4*	43.5*	44.8*	48.7*	50.7*					
Romania ^d	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 ^e	92.7*	110.8*	112.3*	Greece	3.1*	5.2*	8.9* ^f	Turkey	0.5*	0.9*	0.5* ^f
Canada	144.0*	169.2*	169.2*	Italy	41.6*	45.4*	63.0*	United Kingdom ...	1.1*	0.1*	Negl.*
France	74.4*	98.4*	107.9*	Portugal	0.9*	1.3*	1.2* ^f	West Germany	139.2*	104.0*	126.0*

* An asterisk indicates that the data are unclassified.

^a 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).

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Excluding refined lead produced from imported base bullion.

^d Probably including some secondary metal.

^e Including secondary metal.

^f Data are for the previous year.

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Table 108

Production of Refined Zinc ^a							Thousand Metric Tons				
	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	1,850*	2,200*	2,280*	2,160*	2,390*	2,640*					
United States ^c	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 ^d	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.....	130.5*	367.8*	712.2*	Mexico.....	52.9*	62.6*	70.6*				

* An asterisk indicates that the data are unclassified.

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

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c 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.

^d Primary metal only, representing slightly less than 80% of total production.

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Table 109
Smelter Production of Primary Tin Metal^a

	Thousand Metric Tons										
	1950	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	56.8*	44.6*	41.4*	47.3*	44.0*	38.4*					
United States ^c	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.

^a Unless otherwise indicated, data are for primary (virgin) metal and exclude tin derived from scrap or detinning.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Estimated data based on imports of tin concentrates.

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Table 110

Production of Primary Magnesium ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	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 ^c	3.7*	5.4*	0* ^d
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.

^a Unless otherwise indicated, data are for primary (virgin) metal in ingots and ingot equivalent of other forms.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including remelt alloys.

^d Production suspended in June 1966.

Table 111

Production of Titanium Sponge Metal ^a in the US and the USSR

Metric Tons

	1960	1965	1966	1967	1968	1969
United States.....	4,818*	8,100* ^b	15,000* ^b	18,000* ^b	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.

^a Raw titanium in the form of sponge metal produced by the Kroll method from rutile or ilmenite concentrates.

^b Based on reports from various trade publications.

PROPERTY GOODS,
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Table 112

Production of Footwear ^a 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 ^a in Selected Free World and Communist Countries

	Unit of Measure	1960	1965	1966	1967	1968	1969
Free World Countries							
United States.....	Million linear meters.....	8,564*	8,469*	8,107*	7,555*	6,774*	6,546*
Canada ^{b c d}	Million linear meters.....	240*	306*	247*	252*	250*	250*
India ^e	Million linear meters.....	6,629*	7,643*	7,336*	7,277*	7,896*	7,590*
Japan ^b	Million square meters.....	3,221*	3,013*	2,913*	2,825*	2,744*	2,779*
Pakistan ^{c f}	Million linear meters.....	575*	658*	644*	705*	701*	720*
Turkey ^e	Million linear meters.....	384*	781*	640*	694*	773*	743*
United Kingdom ^e	Million linear meters.....	1,183*	928*	837*	681*	668*	623*
Communist Countries							
USSR ^{b c}	Million linear meters.....	6,387*	7,077*	7,238*	7,414*	7,562*	7,592*
Bulgaria ^b	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 ^b	Million square meters.....	225*	305*	317*	304*	292*	269*
Poland ^b	Million linear meters.....	667*	811*	845*	824*	835*	846*
Romania ^b	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.

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Table 114

Production of Woven Woolen Fabrics * in Selected Free World and Communist Countries

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

* 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.

^b Twelve months ending 30 June of the stated year.

^c Fabrics after undergoing finishing processes.

^d Factory shipments.

^e Wearable fabrics produced in the mill sector only.

^f Including finished fabrics.

^g Excluding mixed fabrics.

Table 115

Production of Woven Rayon and Acetate Fabrics ^a 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 ^b	Million linear meters.....	550	870	853	882	1,006	N.A.
Japan ^c	Million square meters.....	1,828	1,653	1,661	1,624	1,632	1,644
United Kingdom ^b	Million linear meters.....	564	572	564	484	469	500
Communist Countries							
USSR ^{b d}	Million linear meters.....	755	900	970	1,036	1,033	1,113
Bulgaria ^{b d e}	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 ^d	Million square meters.....	25	32	33	34	36	44
Poland ^d	Million linear meters.....	103	103	104	114	118	119
Romania ^d	Million square meters.....	22	26	27	28	31	36
Yugoslavia.....	Million square meters.....	19	24	30	27	31	30

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

^b Including fabrics of noncellulosic fibers.

^c Including finished fabrics.

^d Fabrics after undergoing finishing processes.

^e Including fabrics of natural silk.

Table 116

Production of Synthetic Fibers ^a in Selected Free World and Communist Countries

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
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 ^b	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

^a 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.

^b Beginning in 1965, including data for West Berlin, for which separate data are not available.

Table 117

Production of Metalcutting Machine Tools^a 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*
COMMUNIST COUNTRIES						
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 ^b	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*
Far East						
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.

^a 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.

^b 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^a in the US and the USSR

Thousand Units

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

* An asterisk indicates that the data are unclassified.

^a 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.

^b 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.

^c Including manually operated bending and forming machines for which separate data are not available.

Table 119

Production of Metallurgical Equipment^a 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 ^b	105.1	85.5	89.6	79.2	90.3	N.A.
East Germany ^c	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.

^a 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.

^b Beginning in 1965, data include fewer components and spare parts.

^c Rolling mill equipment only.

Table 120

Production of Electric Motors^a in Selected Communist Countries

	Thousand Kilowatts					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR ^b	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	5,049	6,984
Romania.....	559	1,255	1,507	1,679	1,989	N.A.

^a Unless otherwise indicated, data are for alternating and direct current motors.

^b Alternating current motors of 0.25 kilowatt and over.

Table 121

Production of Electric Generators ^a in the United States and Selected Communist Countries

	Thousand Kilowatts					
	1960	1965	1966	1967	1968	1969
United States ^b	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 ^c	1,391*	888*	2,075*	1,709*	882*	N.A.
Hungary ^c	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.

^a Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

^b Shipments of units 4,000 kilowatts and larger.

^c Generators for steam and gas turbines only.

Table 122

Production of Turbines ^a in the United States and Selected Communist Countries

	Thousand Kilowatts					
	1960	1965	1966	1967	1968	1969
United States ^b	12,899*	15,451*	18,633*	23,267*	27,432*	26,779*
COMMUNIST COUNTRIES						
USSR ^c	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 ^d	186*	471*	647*	830*	1,100*	1,283*
Romania ^e	98*	27*	44*	95*	85*	N.A.

* An asterisk indicates that the data are unclassified.

^a 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.

^b 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.

^c Including a small number of gas turbines.

^d Steam turbines only.

^e Steam turbines of more than 500 kilowatts only.

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Table 123

Production of Digital Computers ^a

	1960	1965	1966	1967	1968	1969	Units
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.

^a 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 ^a in the United States and Selected Communist Countries

	1960	1965	1966	1967	1968	1969	Thousand Square Meters
United States ^b	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.....	4,904*	5,087*	5,269*	5,484*	5,993*	5,881*	
East Germany ^c	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* ^c	5,881*	5,832*	6,190*	5,823*	7,131*	
Albania ^d	201*	156* ^e	181* ^e	178* ^e	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.

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

^b 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.

^c Living space only.

^d Socialist sector only.

^e Estimated.

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Table 125

Production of Cement *

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.....	6,590*	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		1960	1965	1969
Belgium ^b ...	4,388*	5,905*	6,264*	Iceland.....	73*	114*	108* ^c	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* ^c	Luxembourg..	210*	222*	183* ^c	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* ^d	35,004* ^d
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.

^a All types of hydraulic cements used in construction.

^b Excluding natural cement.

^c Data are for the previous year.

^d Including data for West Berlin, for which separate data are not available.

AGRICULTURE

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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. Inasmuch 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
UNITED STATES	100	108	107	111	111
USSR	100	118	128	129	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
UNITED STATES	181	183	183	206	206
USSR	93	100	140	122	130

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

OUTPUT

INPUTS

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
Machinery's durable equipment	2.2	3.5	3.8	3.7	3.8	3.4
USSR						
(billion new rubles at 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
Machinery's 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. Inasmuch 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

	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

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

	TRACTORS IN USE (end of year)					
	1960	1965	1966	1967	1968	1969†
UNITED STATES (including farm 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

OUTPUT

	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

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Table 126

Production of Grain *

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b.....	290*	310*	315*	342*	341*	339*					
United States ^c	181*	183*	183*	206*	201*	196*					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	141*	153*	196*	180*	194*	189					
USSR ^d	93.0*	100*	140*	122*	135*	128*					
Eastern Europe.....	48.4*	52.8*	55.7*	57.8*	59.2*	61.2					
Bulgaria ^e	4.83*	5.23*	6.75*	6.48*	5.26*	5.98					
Czechoslovakia.....	5.74*	5.24*	5.87*	6.53*	7.36*	7.89					
East Germany ^e	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 ^{e,f}	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 ^g	160-165	190-195	190-195	205-210	190-195	195-200					
North Korea ^h	3.80	4.50	4.00	4.70	5.20	N.A.					
North Vietnam ⁱ	4.43*	4.79*	N.A.	N.A.	N.A.	N.A.					
Other											
Albania ^j	0.22*	0.33*	0.38	0.50	0.48	N.A.					
Cuba ^k	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											
	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.

^a Unless otherwise indicated, data are for barley, corn, oats, rice, rye, and wheat where they are produced.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including sorghum for grain.

^d Including miscellaneous grains and pulses.

^e Including miscellaneous grains.

^f Excluding corn.

^g 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.

^h Including soybeans and tubers on a straight weight basis.

ⁱ Corn and rice only.

^j Including buckwheat.

^k Data reflect only rice production and government collections of corn; total production is considerably higher.

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Table 127

Production of Breadgrain (Wheat and Rye)

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES *	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 ^b	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.

* Including only data for the United States and those countries listed under "Other NATO Countries."

^b Excluding fodder wheat.

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Table 128

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

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^a	191*	201*	206*	226*	222*	223*
United States ^b	141*	143*	143*	160*	153*	151*
COMMUNIST COUNTRIES ^c						
USSR and Eastern Europe.....	58.0*	60.4*	74.2*	73.7*	75.2*	85.7
USSR ^d	34.0*	37.0*	47.0*	37.0*	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 ^e	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 ^e	4.69*	4.64*	4.90*	4.54*	4.74*	5.68
Poland ^f	4.58*	4.58*	4.62*	4.81*	5.01*	5.21
Romania ^e	6.22*	6.49*	8.67*	7.55*	7.80*	8.34
Far East						
North Vietnam ^g	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 ^{g h}	0.10	0.02	0.02	0.01	0.01	0.01
Yugoslavia ^e	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 ^f	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 ^f	0.06*	0.05*	0.10*	Turkey.....	4.34*	4.35*	5.18*
Denmark ^f	3.48*	4.90*	6.02*	Netherlands ^f	0.68*	0.74*	0.71*	United Kingdom ^f ..	6.40*	9.42*	10.1*
France.....	11.3*	13.3*	17.2*	Norway ^f	0.57*	0.60*	0.57*	West Germany.....	5.44* ^f	5.51*	8.51*
Greece.....	0.66*	0.90*	1.05*								

* An asterisk indicates that the data are unclassified.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Including sorghum for grain.

^c Unless otherwise indicated, data include miscellaneous grains.

^d Including pulses.

^e Excluding miscellaneous grains.

^f Excluding corn.

^g Corn only.

^h Data reflect government collections only; total production is considerably higher.

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Table 129

Production of Rice *

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b.....	3,540*	4,480*	5,020*	5,340*	5,940*	5,530*
United States.....	2,476 ²	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		1960	1965	1969
France.....	103*	98*	105*	Italy.....	622*	509*	850*	Turkey.....	138*	165*	203*
Greece.....	54*	105*	108* ^c	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 ^d	16,074*	15,511*	17,568*	South Vietnam ^e	5,092*	5,185*	4,366*
India ^d	51,348*	46,029*	63,000*	Pakistan ^d	16,068*	17,742*	21,267*	Thailand.....	7,788*	9,199*	14,000*
Indonesia... 12,849*	13,700*	16,615* ^c									

* An asterisk indicates that the data are unclassified.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Data are for the previous year.

^d Estimated from planted acreage.

^e Data are as of 31 May of the stated year.

Table 130

Production of Potatoes ^a

Million Metric Tons

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	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* ^c	1.18* ^d	N.A.	N.A.	N.A.	N.A.					
Other											
Albania.....	0.02*	0.02*	0.11*	0.12*	0.16	N.A.					
Cuba ^e	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 ^f	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.

^a Unless otherwise indicated, data are for Irish potatoes.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Sweet potatoes and manioc.

^d Sweet potatoes only.

^e Data reflect government collections only; total production is considerably higher.

^f Including data for Luxembourg.

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Table 131

Production of Meat ^a

Thousand Metric Tons

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

Other NATO Countries ^f

	1960	1965	1969		1960	1965	1969		1960	1965	1969
Belgium ^g	447*	474*	626*	Greece ^h	115*	181*	196*	Portugal.....	156*	167*	175* ⁱ
Canada.....	1,114*	1,327*	1,373*	Italy.....	1,104*	1,085*	1,423*	Turkey ^h	412*	440*	485*
Denmark.....	766*	896*	864*	Netherlands...	704*	794*	885*	United Kingdom ^h ...	1,718*	2,019*	2,000*
France.....	2,613*	3,344*	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 ^j	655*	812*	886*
Australia.....	1,359*	1,743*	1,770*	Japan ^j	322*	640*	733*	New Zealand.....	748*	797*	977*

* An asterisk indicates that the data are unclassified.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including poultry, edible offal, and slaughter fats.

^d Including horsemeat and live exports.

^e Including horsemeat and edible offal.

^f Unless otherwise indicated, data include horsemeat.

^g Including data for Luxembourg.

^h Excluding horsemeat.

ⁱ Data are for the previous year.

^j Including horsemeat.

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Table 132

Production of Milk ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	149,000*	154,000*	155,000*	157,900*	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*	1,008*	1,210*	1,198*	1,204*
Czechoslovakia ^c	3,830*	3,924*	4,169*	4,335*	4,550*	4,759*
East Germany ^d	5,730*	6,371*	6,728*	6,904*	7,227*	7,270*
Hungary ^e	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	1960	1965	1969	
Belgium.....	3,891*	3,941*	4,082*	Greece.....	392*	491*	Norway.....	1,613*	1,625*	1,769*
Canada.....	8,385*	8,328*	8,437*	Italy.....	9,648*	9,184*	Turkey.....	2,241*	2,446*	2,700*
Denmark....	5,399*	5,367*	5,021*	Luxembourg...	185*	188*	United Kingdom.	12,670*	11,386* ^e	11,567* ^e
France.....	22,652*	26,771*	31,298*	Netherlands...	6,838*	7,142*	West Germany..	19,250*	21,253*	22,090*

* An asterisk indicates that the data are unclassified.

^a Whole milk from cows.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including milk sucked by young animals.

^d In terms of 3.5% butter-fat content.

^e Total sales off-farm.

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Table 133

Production of Sugar ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	12,000*	13,200*	13,100*	13,900*	14,200*	N.A.*
United States ^c	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 ^d	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 ^e	186*	342*	385*	432*	313*	343*
Czechoslovakia ^e	958*	874*	1,070*	1,039*	990*	N.A.
East Germany ^e	739*	619*	671*	681*	660*	N.A.
Hungary ^e	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 ^e	920	1,500	1,590	1,700	1,600	1,600
Other						
Albania.....	15*	16*	17*	16*	17*	N.A.
Cuba ^f	5,862*	6,220*	4,536*	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 ^h	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 ^e	14*	17*	14*				

Other Free World Countries ^j

	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.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including cane sugar.

^d Refined, including imported raw sugar.

^e Including raw sugar imported for refining.

^f Raw cane sugar of 96° polarization.

^g Crop years ending 30 June of the stated year.

^h Including data for Luxembourg.

ⁱ Data are for the Azores and Madeira only.

^j Cane sugar only.

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Table 134

Fish Catch *

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^b						
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 ^c	7.9*	17.3*	23.0*	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 ^d	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 ^e	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* ^g	363.4* ^g	Turkey ^e	89.4*	135.7*	122.7* ^f
Canada...	934.5*	1,262.3*	1,490.3*	Nether-				United King-			
Denmark..	581.2*	840.8*	1,466.8*	lands ^h .	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 ^e ...	87.0*	82.4* ^d	85.1* ^{d,f}	Portugal ⁱ	475.1*	553.6*	559.8* ^f	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 ^e	1,161.4*	1,331.3*	1,526.0*	Peru ^e ...	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.

^a Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.

^b Including aquatic mammals.

^c Commercial catch only.

^d Salt water catch only.

^e Including landed weight.

^f Data are for the previous year.

^g Including official estimates for catches not covered by the standard collection system.

^h Including quantities landed by foreign fishing craft in Netherlands ports.

ⁱ Including data for the Azores and Madeira.

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Table 135
Number of Cattle *

	Million Head						
	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES ^b	185*	202*	204*	205*	206*	208*	211*
United States.....	96.42*	109.00*	108.86*	108.64*	109.15*	109.88*	112.33*
COMMUNIST COUNTRIES							
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 ^c	4.46* ^d	4.68*	4.76*	4.92*	5.02*	5.11*	5.17*
Hungary.....	1.97* ^e	1.94*	1.92*	1.97*	2.05*	2.02*	1.92*
Poland.....	8.70* ^f	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 ^g	2.40*	2.38*	2.44*	2.47*	2.50*	N.A.	N.A.
Other							
Albania ^h	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 ^h	2.69*	2.69*	2.94*	Greece ^h	1.12*	1.12*	1.08*	Portugal.....	1.11*	1.11*	1.07* ^l
Canada ^l	10.49*	11.90*	11.83*	Italy ^h	9.40*	9.23*	10.28*	Turkey ^h	13.48*	14.41*	15.26*
Denmark ^l	3.31*	3.18*	2.90*	Netherlands...	3.16*	3.32*	3.92*	United Kingdom..	11.48*	11.69*	12.31*
France ^k	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 ^l	43.40*	45.00*	52.50*	Brazil.....	72.83*	84.10*	91.12*	World total ⁿ	1,007.02*	1,099.70*	1,176.90*
Australia ^m	16.50*	18.78*	21.50*								

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are as of the beginning of the year.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Unless otherwise indicated, data are as of 30 November of the previous year.

^d As of 3 December of the previous year.

^e As of March of the stated year.

^f As of 30 June of the stated year.

^g Including buffaloes.

^h Including data for Luxembourg.

ⁱ Excluding data for Newfoundland.

^j Including data for the Faeroe Islands and Greenland.

^k As of 31 October of the previous year.

^l Data are for the previous year.

^m As of 31 March of the previous year.

ⁿ Estimated, including countries for which data are not available.

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Table 136

Number of Hogs ^a

Million Head

	1960	1965	1966	1967	1968	1969	1970
NATO COUNTRIES ^b	113*	113*	109*	115*	126*	128*	130*
United States.....	59.03*	50.79*	47.41*	53.25*	58.78*	60.63*	56.74*
COMMUNIST COUNTRIES							
USSR and Eastern Europe.....	91.9*	97.6*	103*	101*	94.8*	92.2*	98.5*
USSR.....	53.37*	52.84*	59.58*	58.03*	50.87*	49.05*	56.10*
Eastern Europe.....	38.5*	44.8*	43.2*	43.1*	43.9*	43.1*	42.4*
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 ^c	8.28* ^d	8.76*	8.88*	9.31*	9.25*	9.52*	9.24*
Hungary.....	5.36* ^e	7.04*	6.59*	6.12*	6.65*	5.81*	5.40*
Poland.....	12.62* ^f	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 ^g	1.73*	1.85*	3.18*	Greece.....	0.64*	0.62*	0.62*	Portugal.....	1.80*	1.56* ^h	1.38* ^k
Canada ^h	6.42*	5.58*	6.46*	Italy.....	4.15*	5.41*	9.22*	Turkey.....	0.01*	0.02*	0.02*
Denmark ⁱ	6.20*	8.20*	8.35*	Netherlands.....	2.94*	3.52*	5.30*	United Kingdom..	6.01*	7.94*	8.14*
France ^j	8.36*	9.04*	10.62*	Norway.....	0.46*	0.52*	0.57*	West Germ.any....	14.88*	18.15*	19.32*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are as of the beginning of the year.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Unless otherwise indicated, data are as of 30 November of the previous year.

^d As of 3 December of the previous year.

^e As of March of the stated year.

^f As of 30 June of the stated year.

^g Including data for Luxembourg.

^h Excluding data for Newfoundland.

ⁱ Including data for the Faeroe Islands.

^j As of 31 October of the previous year.

^k Data are for the previous year.

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Table 137

Production of Ginned Cotton

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^a	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
Greece.....	62.7*	74.0*	104.5*	5.7*	4.4*	1.7*
Italy.....						
Turkey.....				168.7*	326.6*	386.5*
Other Free World Countries						
	1960	1965	1969	1960	1965	1969
Argentina....	123.9*	104.5*	103.4*	478.1*	518.2*	511.6*
Brazil.....	424.6*	544.3*	762.0*	1,008.0*	1,001.5*	1,110.4*
UAR.....						
India.....						
Mexico.....				457.2*	571.5*	370.1*
Pakistan.....				304.4*	416.9*	533.4*

* An asterisk indicates that the data are unclassified.

^a 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.

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Table 138

Production of Wool ^a

Thousand Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	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* ^c	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 ^d	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.

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

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Excluding pulled wool.

^d Including data for Lesotho and South-West Africa.

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Table 139

Production of Grain Combines ^a 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* ^b	23,300* ^b
United Kingdom ^b	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.

^a Tractor-drawn and self-propelled.

^b Shipments.

Table 140

Production of Tractors ^a

	Thousand Units					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	581*	708*	732*	670*	659*	643*
United States.....	178.5*	271.8*	299.1*	262.1*	236.0*	217.1* ^c
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* ^d	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 ^e	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 ^f	181.0*	178.5* ^g	179.2* ^{g h}	West Germany ⁱ	120.7*	105.0*	107.0*
Italy.....	37.6*	62.7*	72.0*								

* An asterisk indicates that the data are unclassified.

^a Physical units.

^b Including only data for the United States and those countries listed under "Other NATO Countries." The data exclude garden-type tractors.

^c Data for wheel-type tractors are shipments.

^d Production began in 1960 but was limited to a test series.

^e Excluding garden-type tractors.

^f Including industrial wheeled tractors.

^g Shipments.

^h Data are for the previous year.

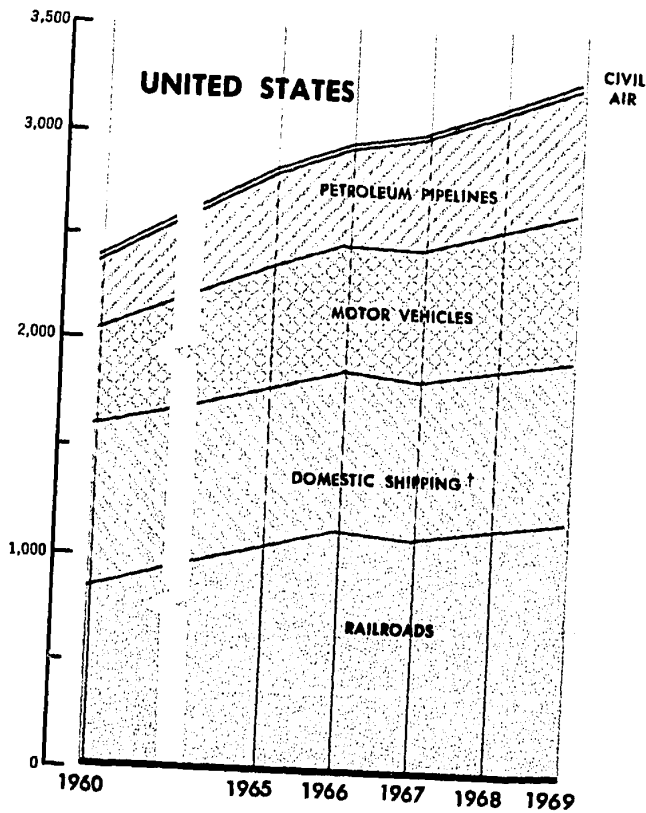
ⁱ Excluding tracklaying tractors.

TRANSPORTATION AND
COMMUNICATIONS

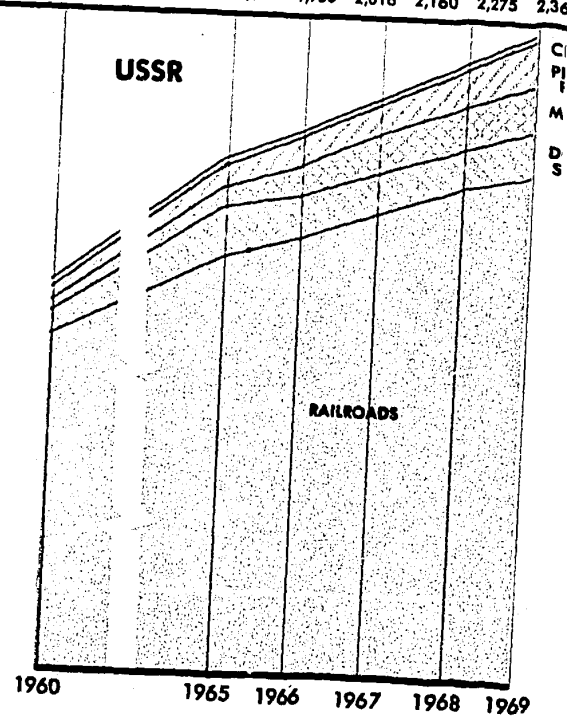
Approved For Release 2000/09/14 : CIA-RDP85T00870R001000200010

DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR

Billion Metric
Ton-kilometers



	BILLION METRIC TON - KILOMETERS					
	1960	1965	1966	1967	1968	1969
UNITED STATES	2,370	2,810	2,970	3,000	3,110	3,260
Civil air	1	3	4	5	6	6
Petroleum pipelines	334	447	486	527	571	600
Motor vehicles	473	589	625	637	650	710
Domestic shipping†	695	715	740	752	759	770
Railroads	868	1,053	1,112	1,083	1,122	1,160
USSR	1,790	2,420	2,520	2,710	2,890	3,000
Civil air	1	1	1	2	2	2
Petroleum pipelines	51	147	165	183	216	240
Motor vehicles	99	143	153	170	187	190
Domestic shipping†	138	181	188	197	211	210
Railroads	1,504	1,950	2,016	2,160	2,275	2,360



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† 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.

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DOMESTIC TRANSPORT PERFORMANCE IN THE US AND THE USSR

Figure 20

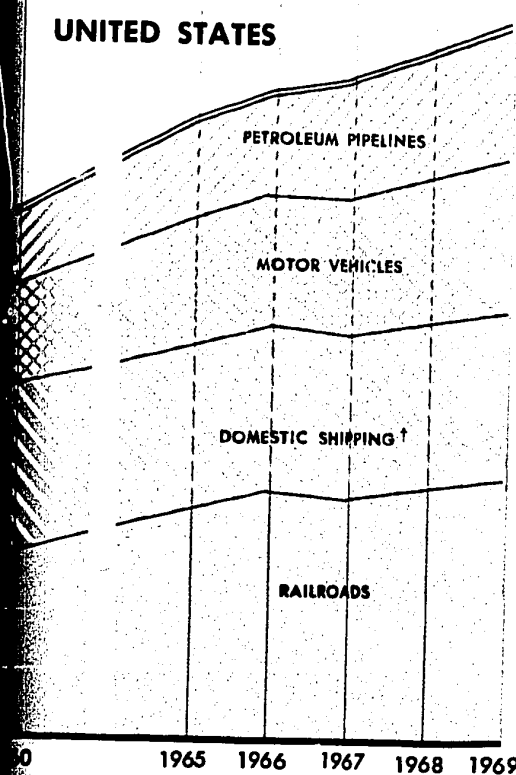
BILLION METRIC TON-KILOMETERS

	1960	1965	1966	1967	1968	1969
UNITED STATES	2,370	2,810	2,970	3,000	3,110	3,260
Civil air	1	3	4	5	6	7
Petroleum pipelines	334	447	486	527	571	600
Motor vehicles	473	589	625	637	650	719
Domestic shipping†	695	715	740	752	759	775
Railroads	868	1,053	1,112	1,083	1,122	1,160
USSR	1,790	2,420	2,520	2,710	2,890	3,020
Civil air	1	1	1	2	2	2
Petroleum pipelines	51	147	165	183	216	245
Motor vehicles	99	143	155	170	187	195
Domestic shipping†	138	181	188	197	211	218
Railroads	1,504	1,950	2,016	2,160	2,275	2,362

Metric
meters

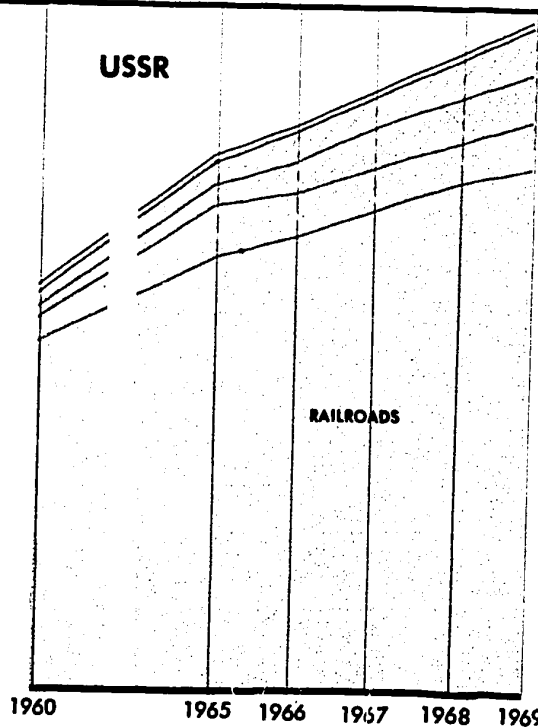
UNITED STATES

CIVIL
AIR



USSR

CIVIL AIR
PETROLEUM
PIPELINES
MOTOR VEHICLES
DOMESTIC
SHIPPING †
RAILROADS



† 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.

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Table 141

Railroad Freight Traffic, ^a in Ton-Kilometers

	Billion Metric Tons					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	1,140*	1,360*	1,430*	1,390*	1,440*	1,500*
United States ^c	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 ^d	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 ^e	15.86*	15.29*	17.50*	Portugal ^e	0.76*	0.76*	0.74*
Canada ^e	95.55*	127.09*	139.23*	Luxembourg..	0.64*	0.62*	0.72*	Turkey.....	4.33*	5.30*	4.89*
Denmark ^e	1.44* ^c	1.49*	1.55*	Netherlands ^h .	3.41*	3.52*	3.32*	United Kingdom ^e ..	30.50* ^e	25.23*	22.79*
France.....	56.93*	64.60*	67.01*	Norway ⁱ	1.59* ^j	2.06*	2.54*	West Germany.....	52.27*	57.13*	66.96*
Greece ^f	0.36*	0.57*	0.55*								

* An asterisk indicates that the data are unclassified.

^a Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicu'ar, 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including secondary or private railroads operating as common carriers.

^d Including service traffic.

^e Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

^f Including military and government traffic.

^g Excluding livestock.

^h Excluding express parcels.

ⁱ Including data for the Ofoten railroad.

^j Data are for the year beginning 1 July of the previous year.

^k Excluding data for Northern Ireland.

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Table 142

Railroad Freight Traffic,^a in Tons Carried

Million Metric Tons

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	2,470*	2,660*	2,670*	2,566*	2,620*	N.A.*
United States ^c	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 ^d	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 ^e	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 ^e	64.1*	65.9*	65.7*	Italy ^{c,e}	67.9*	59.4*	64.0*	Turkey	13.4*	14.0*	15.0*
Canada ^e	161.1*	204.4*	219.4*	Luxembourg	17.4*	16.4*	15.7*	United King-			
Denmark ^e	8.9*	8.5*	8.1* ^f	Netherlands ^e	27.3*	28.1*	26.3*	dom ^{e,h}	253.1*	232.4*	210.6*
France	227.0*	238.7*	240.9*	Norway ^g	18.6* ^e	24.5*	30.6*	West Germany ^{e,e}	429.2* ⁱ	423.1* ⁱ	345.0*
Greece	2.2*	3.3*	2.5*	Portugal	3.7*	3.7*	4.0*				

* An asterisk indicates that the data are unclassified.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Including secondary or private railroads operating as common carriers.

^d Including performance of railroads owned jointly by Hungary and Austria within Hungary.

^e Including service traffic.

^f Data for government railroads are for the stated year, and data for private railroads are for the previous year.

^g Including data for the Ofoten railroad.

^h Including data for Northern Ireland.

ⁱ Data include through consignments between private and government railroads.

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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 ^a	473,000*	589,000*	625,000*	637,000*	650,000*	719,000*
COMMUNIST COUNTRIES ^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*
Far East						
North Korea.....	552*	765	N.A.	N.A.	N.A.	N.A.
Other						
Albania.....	328*	454*	527*	570*	633*	700*

* An asterisk indicates that the data are unclassified.

^a Total traffic for all urban streets and rural roads.^b 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,^a in Tons Carried, in the Communist Countries

Million Metric Tons

	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
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.....	123.3*	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*
Far East						
North Korea.....	78.6*	116.0	N.A.	N.A.	N.A.	N.A.
Other						
Albania.....	10.3*	17.0*	18.6*	23.3*	25.6*	28*

* An asterisk indicates that the data are unclassified.

^a Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

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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					
NATO COUNTRIES ^a	200,000	248,000	262,000	283,000	295,000	N.A.					
United States ^b	123,000	162,553	173,758	190,033	196,370	204,000					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	108,000	144,000	149,000	155,000	167,000	172,000					
USSR.....	99,602	133,928	137,686	143,907	155,394	160,000					
Eastern Europe.....	7,910	9,740	11,300	11,300	12,000	11,800					
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				

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b 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 ^a	821	1,000	1,040	1,090	1,160	N.A.					
United States ^b	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 ^c	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								

^a Including only data for the United States and those countries listed under "Other NATO Countries."^b Internal, intraport, and local water traffic, excluding Great Lakes traffic.^c Traffic began in June 1964.ALL DATA IN THIS TABLE ARE UNCLASSIFIED
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Table 147

Ocean Freight Traffic,^a in Ton-Kilometers, of the Communist Countries

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	188,000*	501,000*	573,000*	709,000*	817,000*	N.A.
USSR ^b	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 ^c	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 ^c	10,518*	30,204*	32,636*	43,722*	49,030*	54,844*
Hungary.....	230*	388*	571*	560*	1,052*	N.A.
Poland ^{c,d}	34,828*	55,838*	62,808*	73,921*	95,667*	99,497*
Romania.....	1,065*	8,368*	13,336*	26,700*	39,827*	39,128*
Far East						
North Korea ^e	135*	283	N.A.	N.A.	N.A.	N.A.
Other						
Albania ^e	269*	977*	N.A.	N.A.	N.A.	N.A.

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons (GRT).

^b Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

^c Including coastal traffic.

^d 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.

^e 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 ^a	62.51*	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.

^a Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

ALL DATA IN THESE TABLES ARE UNCLASSIFIED

Table 149

Civil Airfreight Traffic,^a in Ton-Kilometers, in the US and the USSR

	Million Metric Tons					
	1960	1965	1966	1967	1968	1969
United States ^b	1,377	3,363	4,235	5,001	6,084	6,848
USSR.....	563	1,338	1,445	1,662	1,803	1,900

^a Express, freight, and mail traffic.^b 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 ^a						
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

^a 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 ^a	414.7	554.9	600.9	659.0	704.9	740.0
COMMUNIST COUNTRIES ^b						
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

^a Data are for tons originated, thus giving a more realistic comparison with the Communist countries.^b Excluding traffic on the Friendship Pipeline in Czechoslovakia, Poland, East Germany, and Hungary.ALL DATA IN THESE TABLES ARE UNCLASSIFIED
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Table 152

Construction of Maritime Cargo Ships^a in Selected Communist Countries

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	382	566	624	631	563	706
USSR.....	58.4	155.4	170.2	191.2	107.9	227.9
Eastern Europe.....	324	411	454	440	455	478
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					
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	112	115	120	119	107	104
USSR.....	10	25	24	33	28	32
Eastern Europe.....	102	90	96	86	79	72
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

^a 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.

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Table 153

Construction of Maritime Tankers ^a in Selected Communist Countries

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
COMMUNIST COUNTRIES						
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					
COMMUNIST COUNTRIES						
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

^a 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 ^a

	1960	1965	1966	1967	1968	1969
	Thousand Gross Register Tons					
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	187	327	318	451	422	429
USSR.....	77.2	190.6	180.2	8.7	223.2	207.8
Eastern Europe.....	109	137	137	443	198	222
East Germany.....	46.3	68.2	70.5	97.1	76.8	102.4
Poland.....	63.1	68.6	60.9	105.5	121.6	119.2
	Units					
COMMUNIST COUNTRIES						
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

^a Only countries in which domestic construction is a significant percentage of overall construction are listed. Data exclude small fishing boats, seiners, and miscellaneous boats.

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Table 155

Production of Mainline Locomotives ^a in Selected NATO and Communist Countries

Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES						
United States ^b	886*	1,793*	1,800*	1,379*	1,120*	1,127*
France.....	311*	293*	244*	230*	196*	195*
Italy ^{c d}	150*	141*	156*	118*	138*	25*
United Kingdom ^e	1,181*	719*	463*	356*	263*	N.A.*
West Germany.....	1,231*	947*	776*	493*	492*	N.A.*
COMMUNIST COUNTRIES						
USSR and Eastern Europe						
USSR.....	1,699*	2,126*	2,129*	1,885*	1,804*	1,754*
Eastern Europe						
Czechoslovakia.....	172*	269	233	231	180	241
East Germany.....	2	86	128	146	115	N.A.
Hungary ^{e f}	0*	17*	34*	22*	22*	22*
Poland ^{e f}	38*	72*	80*	101*	109*	91*
Romania ^g	10*	110*	125*	133*	167*	214*
Far East						
Communist China ^h	600 ⁱ	50	140	195	200	255
North Korea ^e	0	21	19	19	18	23

* An asterisk indicates that the data are unclassified.

^a 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.

^b Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

^c Electric locomotives only.

^d Production for the government only. Data include rail motor vehicles.

^e Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

^f Excluding narrow-gauge locomotives.

^g Diesel locomotives only.

^h Production of diesel locomotives began in 1965.

ⁱ Steam locomotives only.

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Table 156

Production of Mainline Diesel Locomotives* in Selected NATO and Communist Countries

	1960	1965	1966	1967	1968	1969	Units
NATO COUNTRIES							
United States ^b	885*	1,793*	1,800*	1,376*	1,120*	1,127*	
France.....	143*	209*	173*	167*	142*	147*	
United Kingdom ^c	1,007*	565*	304*	222*	188*	N.A.*	
West Germany.....	1,110*	681*	556*	311*	392*	N.A.*	
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR.....	1,303*	1,485*	1,529*	1,497*	1,499*	1,464*	
Eastern Europe							
Czechoslovakia.....	3*	25	35	40	45	45	
East Germany.....	2	26	68	136	95	N.A.	
Romania.....	10*	110*	125*	133*	167*	214*	
Far East							
Communist China.....	0	25	70	95	100	130	

* An asterisk indicates that the data are unclassified.

^a Including diesel and diesel-electric locomotives of 1,000 horsepower or more.^b Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.^c Additions to the operating stock by the British Railways and the London Transport Boards and those exported.

Table 157

Production of Mainline Electric Locomotives* in Selected NATO and Communist Countries

	1960	1965	1966	1967	1968	1969	Units
NATO COUNTRIES							
United States.....	1*	0*	0*	3*	0*	0*	
France.....	168*	84*	71*	63*	54*	48*	
Italy ^b	150*	141*	156*	118*	138*	25*	
United Kingdom ^c	174*	154*	159*	134*	75*	N.A.*	
West Germany.....	121*	266*	220*	182*	100*	N.A.*	
COMMUNIST COUNTRIES							
USSR and Eastern Europe							
USSR.....	396*	641*	600*	388*	305*	290*	
Eastern Europe							
Czechoslovakia.....	169*	244*	198*	191*	135*	196*	
East Germany.....	0	60	60	10	20	N.A.	
Hungary ^d	0*	17*	34*	22*	22*	22*	
Poland ^d	38*	72*	80*	101*	109*	91*	
Far East							
North Korea.....	0	21	19	19	18	23	

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are for electric locomotives of 1,000 horsepower or more.^b Production for the government only. Data include rail motor vehicles.^c Additions to the operating stock by the British Railways and the London Transport Boards and those exported.^d Excluding narrow-gauge locomotives.

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Table 158

Production of Railroad Freight Cars^a

Thousand Units

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^b	83.5*	118*	118*	106*	75.4*	88.7*					
United States ^c	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*	1.70*	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 ^d	8.52*	4.62*	2.90* ^e	West Germany...	6.63*	11.31*	4.75* ^e
Italy.....	3.15*	9.26*	1.90*								

* An asterisk indicates that the data are unclassified.

^a Units of two, four, or more axles. The majority of the production now consists of four-axle units.^b Including only data for the United States and those countries listed under "Other NATO Countries."^c Shipments.^d Additions to the operating stock by the British Railways and the London Transport Boards and those exported.^e 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					
NATO COUNTRIES ^a	11,900	17,100	17,000	15,400	17,900	18,100					
United States ^b	6,674.8	9,305.6	8,598.3	7,436.8	8,822.2	8,223.7					
COMMUNIST COUNTRIES											
USSR and Eastern Europe	272	408	459	504	568	613					
USSR	138.8	201.2	230.2	251.4	280.3	293.6					
Eastern Europe	133	207	228	253	287	319					
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 ^c	10.5	35.9	37.7	47.9	59.4	80.5					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969					
Belgium ^d	N.A.	169.1	100.8 ^e	Italy ^f	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 ^g	3,312.0 ^g
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								

^a Including only data for the United States and those countries listed under "Other NATO Countries."^b Factory sales.^c Including vehicles assembled from imported parts.^d Including data for Luxembourg.^e Data are for the previous year.^f Excluding production for the armed forces.^g Including data for West Berlin, for which separate data are not available.ALL DATA IN THIS TABLE ARE UNCLASSIFIED
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Table 160

Production of Trucks and Buses ^a

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	2,250*	2,920*	2,980*	2,710*	3,220*	3,440*
United States ^c	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 ^d	19.1*	19.1*	20.8*	23.6*	20.5*	28.5*
East Germany.....	13.3*	16.0*	21.3*	22.6*	24.5*	26.0*
Hungary ^d	4.4*	6.3*	7.1*	7.5*	8.5*	8.7*
Poland ^d	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 ^e	15	34	47	34	31	65
North Korea.....	3.1*	4.5	6.0	8.0	9.5	9.8
Other						
Yugoslavia ^{d f}	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 ^g	0.5*	6.4*	19.6* ^h	Italy ^f	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* ⁱ	286.8* ⁱ
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.

^a Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

^b Including only data for the United States and those countries listed under "Other NATO Countries." Data include complete units exported for assembly.

^c Factory sales.

^d Excluding wheeled tractors.

^e Excluding buses, jeeps, and three-wheel trucks.

^f Excluding production for the armed forces.

^g Including data for Luxembourg.

^h Data are for the previous year.

ⁱ Including data for West Berlin, for which separate data are not available.

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Table 161

Inventory of Civil Aircraft ^a in the US and the USSR

	1960	1965	1966	1967	1968	1969	Units
United States							
Total airliners ^b	2,110*	2,070*	2,230*	2,410*	2,560*	2,660*	
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*	
USSR							
Total airliners	1,870	2,120	1,990	2,090	2,220	2,370	
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.

^a Data are as of the end of the year and exclude light aircraft.

^b 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.

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Table 162

Inventory of Locomotives ^a

	Units					
	1960	1965	1966	1967	1968	1969
NATO COUNTRIES ^b	79,800*	67,600*	65,200*	62,600*	60,800*	N.A.*
United States ^{c d}	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 ^e	5,282*	4,470*	3,978* ^e	Turkey.....	983*	974*	963*
Canada ^e	3,752*	3,323*	3,294*	Luxembourg...	121*	85*	85*	United Kingdom ^e ...	16,047*	8,107*	4,673*
Denmark ^e	663*	624*	519* ^e	Netherlands...	684*	675*	674*	West Germany.....	10,442*	9,592*	8,609*
France.....	7,963*	7,360*	6,269*	Norway.....	455*	332*	319*				
Greece.....	231*	305*	400* ^f	Portugal.....	457*	439*	493*				

* An asterisk indicates that the data are unclassified.

^a 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.^b Including only data for the United States and those countries listed under "Other NATO Countries."^c Including secondary or private railroads operating as common carriers.^d Including gas turbine locomotives.^e Data for government railroads are for the stated year, and data for private railroads are for the previous year.^f Data are for the previous year.^g Including data for Northern Ireland.

CIA ER H 70-1

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Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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Table 163

Inventory of Railroad Freight Cars^a in NATO and Communist Countries

Thousand Units

	1960	1965	1966	1967	1968	1969					
United States ^{b,c}	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 ^d	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 ^e	149.4*	157.0*	159.4*	154.0*	150.0*	147.0*					
Hungary ^e	62.0*	73.4*	75.6*	76.8*	77.5*	80.0*					
Poland ^e	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 ^f	132.1	142.9	147.5	151.1	156.5	167.5					
North Korea ^f	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*					
Other											
Albania ^e	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 ^e	133.7*	133.9*	136.4* ^l	Portugal	10.2*	9.9*	9.2*
Canada ^c	196.6*	188.4*	191.6*	Luxembourg	3.6*	3.6*	3.9*	Turkey	17.2*	17.5*	17.8* ^h
Denmark	12.6*	11.7*	11.2*	Netherlands	22.2*	22.2*	19.3*	United Kingdom ^g	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* ^h								

* An asterisk indicates that the data are unclassified.

^a 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.

^b Units of four or more axles.

^c Including secondary or private railroads operating as common carriers.

^d 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.

^e Excluding narrow-gauge rolling stock.

^f The majority are four-axle units.

^g Including Chinese freight cars in transit or on loan.

^h Data are for the previous year.

^l Data for government railroads are for the stated year, and data for private railroads are for the previous year.

^j Excluding privately owned tank cars and including data for Northern Ireland.

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Table 164

Inventory of Civilian Trucks *

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES.....	17,500*	22,000*	23,100*	24,000*	24,900*	N.A.*
United States ^b	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 ^c	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* ^d	Iceland.....	6*	6*	6*	Portugal.....	50*	65*	64* ^d
Canada.....	1,039*	1,206*	1,350*	Italy.....	612*	929*	1,058* ^d	Turkey.....	57*	90*	110* ^d
Denmark ^e	166*	232*	254*	Luxembourg...	8*	11*	12*	United King-			
France.....	1,597*	2,134*	2,491*	Netherlands ^f ..	158*	225*	286*	dom ^{g,h}	1,442*	1,710*	1,682*
Greece.....	37*	65*	87*	Norway.....	107*	127*	133*	West Germany ⁱ ..	687*	975*	1,019*

* An asterisk indicates that the data are unclassified.

^a 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.

^b 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.

^c Including both military and civilian trucks.

^d Data are for the previous year.

^e Excluding wheeled tractors.

^f As of 1 August of the stated year.

^g Including data for Northern Ireland.

^h As of 1 October of the stated year.

ⁱ As of 1 July of the stated year.

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Table 165

Inventory of Merchant Fleet *

	1960		1965		1966		1967		1968		Number
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	
NATO COUNTRIES ^b	10,800*	79,800*	9,940*	86,600*	9,720*	87,000*	9,570*	89,900*	9,460*	93,000*	9,220*
United States ^c	2,960*	23,870*	2,449*	21,203*	2,292*	20,104*	2,209*	19,495*	2,101*	18,819*	2,013*
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
USSR ^d	829	3,283	1,284	6,906	1,378	7,694	1,476	8,408	1,574	9,066	1,680
Eastern Europe.....	189*	932*	376*	2,060*	424*	2,400*	464*	2,760*	490*	3,000*	510
Bulgaria ^e	15*	46*	61*	381*	73*	444*	84*	530*	94*	584*	96
Czechoslovakia ^f	11*	85*	10*	74*	11*	97*	10*	84*	10*	84*	9
East Germany.....	29*	174*	95*	593*	105*	649*	118*	746*	114*	713*	123
Hungary.....	8*	10*	16*	20*	18*	22*	19*	23*	21*	33*	20
Poland ^g	119*	585*	164*	865*	177*	977*	187*	1,078*	204*	1,256*	215
Romania.....	7*	32*	30*	124*	40*	209*	46*	302*	47*	328*	47
Far East											
Communist China ^h	147	516	174	710	189	799	214	983	232	1,106	218
North Korea.....	0*	0*	2*	3*	2*	4*	4*	15*	4*	15*	5
North Vietnam.....	0	0	2	5	1	2	4	8	4	8	4
Other											
Albania ⁱ	4*	8*	8*	33*	9*	35*	9*	36*	9*	37*	10
Cuba ^b	28*	89*	29*	128*	34*	185*	40*	223*	40*	223*	48
Yugoslavia ^b	130*	617*	174*	933*	179*	1,061*	178*	1,092*	182*	1,237*	189
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969	1960	1965
Belgium.....	646*	740*	926*	Iceland.....	53*	59*	45*	Portugal.....	466*	557*	
Canada.....	293*	239*	277*	Italy.....	4,758*	5,246*	6,314*	Turkey.....	603*	601*	
Denmark.....	2,027*	2,394*	2,893*	Netherlands.....	4,327*	4,344*	4,595*	United Kingdom.....	19,370*	19,080*	
France.....	4,472*	4,790*	5,489*	Norway.....	10,708*	14,937*	18,562*	West Germany.....	4,137*	4,865*	
Greece ^j	4,095*	6,980*	8,828*								

* An asterisk indicates that the data are unclassified.

^a 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.

^b Data are as of midyear.

^c Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^d Excluding the Caspian Sea fleet and including refrigerator ships and tankers serving the fishing fleet.

^e Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of Free World countries.

^f Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with Communist China.

^g Including some ships flying the Polish flag but under the control of the Polish Shipbrokers Corporation. At the end of 1969, there were 13 of these ships, totaling 112,991 GRT.

^h Including coastal passenger ships.

ⁱ Except for 1960, data include a number of ships jointly owned by the Albanian Joint Stock Shipping Company. At the end of 1969, there were 10 of these ships, totaling 30,811 GRT.

^j Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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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
COUNTRIES ^b.....	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 ^c	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												
Western 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 ^d	829	3,283	1,284	6,906	1,378	7,694	1,476	8,408	1,574	9,036	1,680	9,667
Western Europe.....	189*	932*	376*	2,060*	424*	2,400*	464*	2,760*	490*	3,000*	510	3,260
Bulgaria ^e	15*	46*	61*	381*	73*	444*	84*	530*	94*	584*	96	616
Czechoslovakia ^f	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 ^g	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
East												
Communist China ^h	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
Albania ⁱ	4*	8*	8*	33*	9*	35*	9*	36*	9*	37*	10	45
Cuba ^b	28*	89*	29*	128*	34*	185*	40*	223*	40*	223*	48	282
Yugoslavia ^b	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
Denmark.....	646*	740*	926*	Iceland.....	53*	59*	45*	Portugal.....	466*	557*	641*
France.....	293*	239*	277*	Italy.....	4,758*	5,246*	6,314*	Turkey.....	603*	601*	534*
Germany.....	2,027*	2,394*	2,893*	Netherlands.....	4,327*	4,344*	4,595*	United Kingdom.....	19,370*	19,680*	21,332*
Greece.....	4,472*	4,790*	5,489*	Norway.....	10,708*	14,937*	18,562*	West Germany.....	4,137*	4,865*	6,517*
Spain.....	4,095*	6,980*	8,823*								

* Asterisk indicates that the data are unclassified.
 † 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 combined passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.
 ‡ Data are as of midyear.
 § Including ships operating only on the Great Lakes and US-owned ships flying Panamanian, Panamanian, and other "flags of convenience."
 ¶ Including the Caspian Sea fleet and including refrigerator ships and tankers in the fishing fleet.
 †† Before August 1968, a few additional Bulgarian-owned ships were operated under the flag of Free World countries.

‡ Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with Communist China.
 § 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.
 ¶ Including coastal passenger ships.
 † 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.
 †† Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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Table 166

Inventory of Tanker Fleet *

	1960		1965		1966		1967		1968		Number
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	
NATO COUNTRIES ^{b,c}	2,160*	25,400*	1,940*	30,600*	1,900*	31,400*	1,890*	33,300*	1,850*	34,900*	1,870*
United States ^d	428*	4,910*	351*	4,762*	328*	4,568*	317*	4,500*	315*	4,525*	305*
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....											
Europe.....	140	923	234	2,500	259	2,870	280	3,070	297	3,230	317
USSR ^e	128	820	205	2,204	226	2,530	245	2,707	264	2,859	284
Eastern Europe.....	12*	103*	29*	300*	33*	337*	35*	363*	33*	375*	33*
Bulgaria.....	2*	10*	12*	118*	15*	147*	16*	149*	16*	146*	16*
Czechoslovakia.....	1*	13*	0*	0*	0*	0*	0*	0*	0*	0*	0*
East Germany.....	4*	33*	10*	94*	11*	102*	11*	102*	8*	97*	8*
Poland.....	5*	47*	5*	63*	5*	63*	5*	63*	5*	63*	5*
Romania.....	0*	0*	2*	25*	2*	25*	3*	49*	4*	69*	4*
Far East											
Communist China..	11	22	17	88	22	104	25	110	27	127	28
North Vietnam.....	0	0	0	0	0	0	1	2	1	2	2
Other											
Cuba ^c	2*	3*	2*	5*	2*	5*	2*	5*	2*	5*	2*
Yugoslavia ^c	6*	40*	11*	64*	12*	85*	16*	98*	17*	166*	17*

Other NATO Countries

	1960	1965	1969		1960	1965	1969		1960	1965
Belgium.....	157*	275*	303*	Iceland.....	12*	11*	5*	Portugal.....	121*	159*
Canada.....	126*	100*	97*	Italy.....	1,587*	1,951*	2,499*	Turkey.....	77*	110*
Denmark.....	822*	972*	1,234*	Netherlands.....	1,348*	1,535*	1,897*	United Kingdom.....	6,869*	7,517*
France.....	1,837*	2,302*	2,986*	Norway.....	6,215*	8,312*	9,448*	West Germany.....	564*	835*
Greece ^f	798*	1,753*	2,601*							

* An asterisk indicates that the data are unclassified.

^a 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.

^b Including only data for the United States and those countries listed under "Other NATO Countries."

^c Data are as of midyear.

^d Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

^e Excluding the Caspian Sea Fleet.

^f Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

Table 166
Inventory of Tanker 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
COUNTRIES b,c	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 d.....	428*	4,910*	351*	4,762*	328*	4,568*	317*	4,500*	315*	4,525*	305*	4,487*
COMMUNIST COUNTRIES												
 SR and Eastern												
Europe.....	140	923	234	2,500	259	2,870	280	3,070	297	3,230	317	3,420
USSR e.....	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*
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
Cuba c.....	2*	3*	2*	5*	2*	5*	2*	5*	2*	5*	2*	5*
Yugoslavia c.....	6*	40*	11*	64*	12*	85*	16*	98*	17*	166*	17*	228*

Other NATO Countries

	1960			1965			1969				
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number		
Denmark.....	157*	275*	303*	Iceland.....	12*	11*	5*	Portugal.....	121*	159*	213*
France.....	126*	100*	97*	Italy.....	1,587*	1,951*	2,499*	Turkey.....	77*	110*	164*
Germany.....	822*	972*	1,234*	Netherlands.....	1,348*	1,535*	1,897*	United Kingdom.....	6,869*	7,517*	9,176*
Greece.....	1,837*	2,302*	2,986*	Norway.....	6,215*	8,312*	9,448*	West Germany.....	564*	835*	1,344*
Spain.....	798*	1,753*	2,601*								

* Asterisk indicates that the data are unclassified.

† 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.

‡ Including only data for the United States and those countries listed under "Other NATO Countries."

§ Data are as of midyear.

¶ Including ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

‡ Including the Caspian Sea Fleet.

§ Including Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 167

Telephones in Use ^a

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 ^b						
USSR and Eastern Europe.....	6,680	13,300	13,700	16,000	17,500	19,100
USSR ^c	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 ^d	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 ^d	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 ^e	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				

^a 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.

^b 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.

^c Beginning in 1965, data include telephones used by the functional ministries and exclude those used by the military.

^d Telephone subscribers.

^e Data are as of 31 March of the following year.

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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 ^b	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 ^c	1.8*	2.6*	2.7*	3.3*	N.A.	N.A.
Cuba.....	3.6*	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* ^d	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 ^f ..	425.0*	849.0*	1,211.0*
France....	741.0*	849.5*	1,108.4*	Norway.....	52.6* ^e	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.

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Beginning in 1967, data include long-distance calls handled by automatic exchanges.

^c Including local calls.

^d Data are for the previous year.

^e Data are for the year beginning 1 July of the previous year.

^f Data are for the year beginning 1 April of the previous year.

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Table 169

Telegrams Sent over the Domestic System ^a

Million

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES.....	246*	212*	203*	191*	185*	N.A.*
United States ^b	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 ^c	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		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 ^d	13.2*	10.9*	8.8*	Italy ^f	35.2*	38.3*	26.6*	Turkey.....	9.9*	8.6*	10.2*
Denmark ^e	1.6*	1.7*	1.6*	Luxembourg.....	0.2*	0.2*	0.2*	United Kingdom ^g	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.
^a Unless otherwise indicated, data are for domestic telegrams.
^b Including domestic transmission of transoceanic and marine messages.
^c Including international telegrams.
^d All telegrams sent by land are counted as domestic.
^e Including data for the Faeroe Islands and Greenland.
^f Data are for the year beginning 1 July of the previous year.
^g Data are for the year beginning 1 April of the stated year.

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Table 170

Production of Semiconductors ^a 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*
COMMUNIST COUNTRIES						
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 ^b	15.0
Czechoslovakia.....	Negl.	8.4	11.0	20.0	22.0	30.0
East Germany.....	Negl.	24.0	40.0	55.5 ^b	78.0 ^b	99.5 ^b
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.
^a Semiconductor diodes, rectifiers, and transistors.
^b Plan data.

Table 171

Production of Radio Receivers ^a

Thousand Units

	1960	1965	1966	1967	1968	1969
NATO COUNTRIES^b						
United States ^c	17,969*	25,731*	25,329*	23,215*	24,486*	22,383*
COMMUNIST COUNTRIES						
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 ^d	696*	931*	2,184*	Italy.....	935*	1,195*	2,750*	West Germany.....	4,313*	4,071*	4,592*
Denmark.....	208*	208*	143*	Norway ^e	129*	126*	108* ^f				

* An asterisk indicates that the data are unclassified.
^a Civilian radio receivers and radio-phonograph combinations.
^b Including only data for the United States and those countries listed under "Other NATO Countries."
^c Data for radio-phonograph combinations are factory sales.
^d Factory sales.
^e Receiving sets for home use only.
^f Data are for the previous year.

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ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 172

Production of Television Receivers

Thousand Units

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES ^a	12,400	18,900	19,700	17,500	20,400	N.A.					
United States.....	5,828	11,028	12,402	10,881	11,794	11,270					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	2,720	5,360	6,110	6,770	7,700	N.A.					
USSR.....	1,726	3,655	4,415	4,955	5,742	6,600					
Eastern Europe.....	989	1,700	1,700	1,810	1,960	N.A.					
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					
Other NATO Countries											
	1960	1965	1968	1960	1965	1968	1960	1965	1968		
Belgium.....	216	408	379	France.....	655	1,250	1,464	United Kingdom.....	2,141	1,591	1,963
Canada ^b	338	556	542	Italy.....	728	1,042	1,500	West Germany.....	2,164	2,776	2,587
Denmark....	233	109	66	Norway.....	64	106	91				

^a Including only data for the United States and those countries listed under "Other NATO Countries."

^b Factory sales.

^c Receiving sets for home use only.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 173

Radio Receivers in Public Use ^a 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
COMMUNIST COUNTRIES						
USSR and Eastern Europe.....	44,700	57,400	59,300	61,500	64,500	67,300
USSR.....	27,811	38,228	39,805	41,785	44,500	47,000
Eastern Europe.....	16,800	19,200	19,500	19,700	20,000	20,300
Bulgaria.....	868	1,400	1,469	1,528	1,545	1,570
Czechoslovakia ^b	3,103	3,100	3,179	3,185	3,287	3,340
East Germany ^b	5,574	5,743	5,820	5,881 ^c	5,942	6,000
Hungary ^b	2,224	2,484	2,485	2,479	2,514 ^c	2,550
Poland.....	3,796	4,537	4,519	4,505	4,588	4,650
Romania ^b	1,283	1,920	2,051	2,146	2,172	2,200
Other						
Albania.....	54	82	89	105	120	N.A.
Yugoslavia ^b	1,562	2,783	3,003	3,111	3,171	3,304

^a Data are as of the end of the year and exclude wired loudspeakers.^b Radio subscribers.^c Excluding data for portable radio receivers.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 174

Television Receivers in Public Use^a

Thousand Units

	1960	1965	1966	1967	1968	1969					
NATO COUNTRIES	81,300	120,000	128,000	134,000	143,000	154,000					
United States.....	55,600	70,560	75,100	78,200	84,600	88,300					
COMMUNIST COUNTRIES											
USSR and Eastern Europe.....	7,210	24,600	29,600	34,700	40,400	46,100					
USSR.....	4,788	15,693	19,043	22,724	26,800	31,300					
Eastern Europe ^b	2,420	8,920	10,500	12,000	13,600	14,800					
Bulgaria.....	3	185	288	420	621	820					
Czechoslovakia.....	795	2,113	2,375	2,600	2,864	3,100					
East Germany.....	1,035	3,216	3,600	3,933	4,173	4,400					
Hungary.....	104	831	996	1,169	1,397	1,600					
Poland.....	426	2,078	2,540	2,934	3,389	3,575					
Romania.....	55	501	712	916	1,115	1,315					
Other											
Yugoslavia ^b	30	577	777	1,008	1,298	1,543					
Other NATO Countries											
	1960	1965	1969	1960	1965	1969	1960	1965	1969		
Belgium.....	520	1,461	1,875	Iceland.....	1	10	31	Portugal.....	58	182	360
Canada.....	3,840	5,310	7,140	Italy.....	2,361	6,216	8,950	Turkey.....	1	1	25
Denmark.....	545	1,079	1,255	Luxembourg...	7	31	57	United Kingdom...	11,028	15,000	16,360
France.....	2,000	6,518	9,580	Netherlands...	812	2,239	2,910	West Germany.....	4,465	11,379	16,350
Greece.....	N.A.	4	80	Norway.....	49	490	801				

^a Data are as of the end of the year and include monochrome and color television receivers.

^b Television subscribers.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

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Table 175

Selected Conversion Factors

To Convert From	To	Multiply By
Acres	Hectares	0.40408564
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4,046.856
Acres	Miles, square	0.0015625
Feet	Meters	0.30480061
Feet, cubic	Meters, cubic	0.028317
Feet, cubic	Tons, register	0.01
Feet, square	Meters, square	0.09290341
Gallons, US liquid	Meters, cubic	0.0037854
Gallons, US liquid	Inches, cubic	231
Gallons, US liquid	Feet, cubic	0.1336810
Gallons, US liquid	Liters	3.785306
Hectares	Acres	2.471054
Hectares	Kilometers, square	0.01
Hectares	Miles, square	0.00386101
Kilometers	Miles, US nautical	0.539957
Kilometers	Miles, US statute	0.621371
Kilometer, square	Acres	247.1054
Kilometer, square	Hectares	100
Kilometers, square	Miles, square	0.386101
Meters	Feet	3.280840
Meters	Yards	1.093613
Meters, cubic	Tons, register	0.353147
Meters, cubic	Feet, cubic	35.314667
Meters, cubic	Gallons, US liquid	264.17205
Meters, square	Feet, square	10.763910
Meters, square	Yards, square	1.195991
Miles, US nautical	Kilometers	1.852
Miles, square	Acres	640
Miles, square	Hectares	259
Miles, square	Kilometers, square	2.59
Miles, statute	Kilometers	1.609344
Ounces, troy	Grams	31.103486
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Quarts, US dry	Liters	1.10119
Quarts, US liquid	Liters	0.946326
Quintals	Pounds	220.4622
Quintals	Tons, metric	0.1
Tons, long	Tons, metric	1.016047
Ton-kilometers, metric	Ton-miles, short	0.684943
Tons, metric	Pounds	2,204.622
Tons, metric	Quintals	10
Tons, metric	Tons, long	0.984206
Tons, metric	Tons, short	1.10231
Ton-miles, short	Ton-kilometers, metric	1.459975
Tons, register	Feet, cubic	100
Tons, register	Meters, cubic	2.831685
Tons, short	Tons, metric	0.907185
Yards	Meters	0.9144018
Yards, square	Meters, square	0.836127

CONVERSION FACTORS
AND RATES OF EXCHANGE

Approved For Release 2000/09/14 : CIA-RDP85T00875R001500200001-9

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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 ^a	Noncommercial Rate ^b	Commercial Rate ^a	Noncommercial Rate ^b
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 ^c	4.2	4.67 ^c	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 ^d	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

^a Official rates unless otherwise indicated. These rates are used for converting trade statistics.

^b 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.

^c 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.

^d 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 ^a
1969

Country: (Monetary unit):	United States (Dollar)	Bel- gium ^b (Franc)	Canada (Dollar)	Den- mark (Krone)	France (Franc)	Greece (Drach- ma)	Iceland (Krona)	Italy (Lira)	Nether- lands (Guilder)	Norway (Krone)	Portugal (Escudo)	Turkey (Lira)	K (Lira)
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	
Belgium ^b 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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	

^a Par values as declared to the International Monetary Fund. Data are as of 15 April 1970.^b The rates of exchange for Luxembourg are the same as those for Belgium.

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

Table 177

Cross Rates of Exchange for Currencies of the NATO Countries *
1969

Country: (Monetary unit):	United States (Dollar)	Bel- gium ^b (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:														
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
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
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
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
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
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
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
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
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
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
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
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
dom 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
any 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

ALL DATA IN THIS TABLE ARE UNCLASSIFIED

* Rates as declared to the International Monetary Fund. Data are as of 15 April 1970.
 † Rates of exchange for Luxembourg are the same as those for Belgium.

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